SOMEDI

D4.3 Use Cases validation report

WP4 – Use Cases and Demonstrators – T4.4 Demonstrator validation

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1.0	13/12/2018	HIB	Final draft, cleaning up and integrating review process
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4.0	21/01/2020	HIB	Update on validation and evaluation of UC1.
4.5	03/02/2029	HIB, Turkcell, EVAM	Update on UC3, finalisation of the document

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1. INTRODUCTION

This deliverable presents the outcomes of SoMeDi project task T4.5 "Demonstrator validation" in the scope of WP4 – "Use cases and demonstrators" This document intends to gather the final results of all validation activities being from technical test to user acceptance studies performed during the 3rd and final year of project. As such, this document complements the results in D4.3 v1, released on project month M24 (late 2018).

This iteration of D4.3 document is organised as follows:

➢ Section 2 describes the strategy for the first iteration of the trials.
➢ Section 3 describes Use Case 1 validation analysis
➢ Section 4 describes Use Case 2 validation analysis
➢ Sectom 5 describes Use Case 3 validation analysis.
➢ Section 6 concludes the document and wraps up the evaluation of SoMeDi.
➢ Section 7 includes annexes with details about the validation phase.

2. VALIDATION STRATEGY FOR THE USE CASES

As it is well-described along previous deliverables, SoMeDi project proposes three use cases to demonstrate its capabilities of the platform with the data obtained from social media that need to be validated at this stage:

- Use Case 1: Social media for marketing purposes
- Use Case 2: Social media for recruiting
- Use Case 3: Social media for product/service analysis

It is important to note that due to the late arrival of Turkish consortium into SoMeDi Project the Use Case 3 validation results will be included in the following iteration.

To achieve the project objectives we need to measure the following expected outcomes:

- from the technological side: i) continuous analysis of text, user activities, communities and networks in social media for the different use cases; ii) consider sentiment analysis to increase the perception of the users' attitude; iii) provide decision-support for different purposes; iv) generate intelligence from the combination of different social media;

- from the end users side: i) improve end users social business intelligence; ii) harvest ideas to quickly taking new products to the market using social media; iii) improve the retention of customers for content and services; iv) increase the user satisfaction and economic value via tailored recommendations, cross and upsell of offers.

All these outcomes are measured using quantitative and qualitative evaluation methods. For the quantitative evaluation, we will measure achievements of KPIs alongside different dimensions representing efficiency and effectiveness of the platform, improvements in the business thanks to the analysis of social media or the detection of concrete metrics to improve. For the qualitative evaluation we will use surveys, questionnaires and interviews at different levels and stages in order to measure impressions, usability and opinions of potential end-users towards the adoption of SoMeDi as a tool for improving their business. In addition to this, we will try to organize co-design session with the end users to engage them in the design of the platform in order to cover new ideas, priorities and flows from our target audience and ensure that our solution meet their needs.

SoMeDi validation is organized in different iterations linked to the project pilots development phases. The first iteration, documented in **D4.3 v1** was undertaken during the second part of Y2 int he different countries involved in the project as per the three envisaged use cases. The current document **D4.3 v2** relates to the last year of the project, in which validation on the final prototypes was more carefully planned with the interested end-users. Also some periodic meetings are envisaged for the whole year with end-users in order to be continuously in contact for monitoring the evolution and the acceptance of the platform.

During the final year of the project, the definitive prototypes deployed for UC1 Marketing and UC2 Recruiting have been tested. During Y3 of project execution, these use cases were validated intensively together with the implementation of new functionalities and the refinement of the existent ones based on the feedback from potential clients.

3. USE CASE 1: SOCIAL MEDIA FOR MARKETING PURPOSES

3.1. Use case brief description

Use case focused on social media for marketing purposes will be bases on three axes:

[1] Competitor Analysis based on Social Media,
[2] Brand monitoring (analyse the reputation of the brand) and
[3] Computer vision (image) and topic/sentiment detection (NLP).

The main goal of this use case is to develop marketing strategies based on the insight collected and continuously analysing the impact of marketing campaigns, testing these strategies within the context of accelerating innovations, focusing especially on the needs of startup and SME companies. Principal partners involved in this use case are HI-Iberia and Taiger (with considerable help from subcontracted party Universidad Politécnica de Madrid).

In this use case, SoMeDi platform will be tested together with Lateral restaurants. Lateral is currently a customer of HI-Iberia as they are providing Management Software for the restaurant within other company department (POS, Warehouse management, CRM). In consequence HI-Iberia will be in close contact with them in order to present SoMeDi solution for its evaluation but also to enable the expansion of their current technology thanks to SoMeDi platform.

3.2. Technical validation

Along this section the test scenarios for SoMeDi platform are detailed. The Test Scenarios (TS) for this use case are planned starting from the functional requirements defined in D4.1.

The test scenarios are compound of several Test Cases (TC) which are elaborated from the requirements.

3.2.1. TEST SCENARIO TS-SMD-UM-001 – USER MANAGEMENT

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-UM-001**	Version:	2.0
Title:	Users management	Date:	November 2019
Description:	This scenario covers the access to the platform content as well as the management of different profiles depending on the role of the users (admin, authorized user or anonymus user). Within this test scenario, the accessing mode and content of personal space should be tested as well as the posibilitiy of creating, editing or deleting a profile.		
Actors:	**ANON, AU, ADMIN**		
Precondition s:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser.		

Test cases:	Description	Results
TC-SMD-UM-001	Accesing public section	The functionalities for user management have not been implemented. They were considered deprecated during 2019 in accordance with the end-user interests and substituted with test scenario TS-SMD—CV (below in the document). Similar functionality is fully present and evaluated in the SoMeDi platform for Recruitment (see section 4.2 of this document).
TC-SMD-UM-002	Login as Authorized User	
TC-SMD-UM-003	Login as Administrator	
TC-SMD-UM-004	Private Section	
TC-SMD-UM-005	Administration Section	
TC-SMD-UM-006	Create User	
TC-SMD-UM-007	Edit User	
TC-SMD-UM-008	Delete User	
TC-SMD-UM-009	Create User Form	
TC-SMD-UM-010	Edit User form	

3.2.2. TEST SCENARIO TS-SMD-DD-001– DOMAIN DATA

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-DD-001**	Version:	2.0
Title:	Domain Data	Date:	November 2019
Description:	This test covers the creation of Domain Data for a particular business.		
Actors:	**AU, ADMIN**		
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser.		

Test cases:	The user is registered in the system	
	Description	Results
TC-SMD-DD-001	Create Domain Data	The functionalities for the Domain Data management has not been implemented. Similar functionality is fully present and evaluated in the SoMeDi platform for Recruitment (see section 4.2 of this document).
TC-SMD-DD-002	Edit Domain Data	
TC-SMD-DD-003	Delete Domain Data	
TC-SMD-DD-004	Create Domain Data Form	
TC-SMD-DD-005	Edit Domain Data Form	

3.2.3. TEST SCENARIO TS-SMD-SM-001– SCENARIO MANAGEMENT

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-SM-001**	Version:	2.0
Title:	Scenarios management	Date:	November 2019
Description:	This test covers the creation of scenarios for the monitoring of particular topics of interest for the companies, for example the performance of new campaigns and promotions.		
Actors:	**AU, ADMIN**		
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser. The user is registered in the system		
Test cases:	Description		Results
TC-SMD-SM-001	Create Scenario		The functionalities for the scenarios management has not been implemented ased on the potential customers needs. Similar functionality is fully present and evaluated in the SoMeDi platform for Recruitment (see section 4.2 of this document).
TC-SMD-SM-002	Edit Scenario		
TC-SMD-SM-003	Delete Scenario		

TC-SMD-SM-004	Create Scenario Form	
TC-SMD-SM-005	Edit Scenario Form	
TC-SMD-SM-006	Execute Scenario	
TC-SMD-SM-007	Scenario Dashboard	

3.2.4. TEST SCENARIO TS-SMD-MA-001– MAIN PAGE ANALYSIS

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-MA-001**	Version:	2.0
Title:	Main Page Analytics	Date:	November 2019
Description:	In this test the main analysis for different social media sources is validated as well as the information showed within the user interface.		
Actors:	**AU, ADMIN**		
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser. The user is registered in the system *[this pre-condition will be needed once the user management is implementend]*		
Test cases:	Description	Results	
TC-SMD-MA-001	Opinion Score	PASSED	
TC-SMD-MA-002	Trending topics	PASSED	
TC-SMD-MA-003	Influential Users	PASSED	
TC-SMD-MA-004	Customers Profiles	Not implemented and possibly not applicable due to GDPR limitations (all data related to customers. should remain anonymized).	

TC-SMD-MA-005	Overall Product / Company Dashboard	PASSED
TC-SMD-MA-006	Opinion Score for products/companies	Not implemented.
TC-SMD-MA-007	Trending Topics	PASSED
TC-SMD-MA-008	Influential Users	PASSED
TC-SMD-MA-009	Customer profiles	Not implemented and possibly not applicable due to GDPR constraints.
TC-SMD-MA-010	Data Collection	PASSED
TC-SMD-MA-011	Data Integration	PASSED
TC-SMD-MA-011	Data Analytics	PASSED
TC-SMD-MA-012	User Profilling and Clustering	Not implemented and possibly not applicable due to GDPR constraints.
TC-SMD-MA-013	NLP Processing	PASSED
TC-SMD-MA-014	Machine Learning	PASSED

3.2.5. TEST SCENARIO TS-SMD-CA-001– COMPETITORS ANALYSIS

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-CA-001**	Version:	2.0
Title:	Competitiors Analysis	Date:	November 2019
Description:	This test covers the validation of the analysis of competitors for companies in the sector.		
Actors:	**AU, ADMIN**		

Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser. The user is registered in the system *[this pre-condition will be needed once the user management is implementend]*	
Test cases:	Description	Results
TC-SMD-CA-001	Competitors Analysis	PASSED
TC-SMD-CA-002	Competitors Analysis for products/companies	PASSED

3.2.6. TEST SCENARIO TS-SMD-CR-001– CAMPAIGNS RECOMMENDATIONS

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-CR-001**	Version:	2.0
Title:	Campaigns Recommendations	Date:	November 2019
Description:	This test covers the recomendations of posssible campaigns based on the text analytics that could be of particular interest to companies.		
Actors:	**AU, ADMIN**		
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser. The user is registered in the system *[this pre-condition will be needed once the user management is implementend]*		
Test cases:	Description	Results	
TC-SMD-CR-001	Recommendations	PASSED	
TC-SMD-CR-002	Penetration Rate	Not implemented.	
TC-SMD-CR-003	Recomendation Engines	Not implemented. Similar functionality implemented in Recruitment use case (see section 4.2).	

3.2.7. TEST SCENARIO TS-SMD-DS-001– DATA STORAGE

TEST SCENARIO – SOMEDI		
Code:	**TS-SMD-DS-001**	Version:	2.0

Title:	Data Storage		Date:	November 2019
Description:	This test covers the recomendations of posssible campaigns based on the text analytics that could be of particular interest to companies.			
Actors:	**AU, ADMIN**			
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser. The user is registered in the system *[this pre-condition will be needed once the user management is implementend]*			
Test cases:	Description		Results	
7TC-SMD-DS-001	User Profiles and Clustering Data Storage		PASSED	
TC-SMD-DS-002	NLP Processing Data Storage		PASSED	
TC-SMD-DS-003	Machine Learning Data Storage		PASSED	
TC-SMD-DS-004	Recommendation Engine Data Storage		PASSED	

3.2.1. TEST SCENARIO TS-SMD-DS-001– COMPUTER VISION

TEST SCENARIO – SOMEDI				
Code:	**TS-SMD-CV-001**		Version:	2.0
Title:	Computer Vision		Date:	November 2019
Description:	This test covers the testing of the computer vision features implemented in the system for the marketing Use Case			
Actors:	**AU, ADMIN**			
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser. The system has recalled from the online social media at least one post containing an image element as part of the message.			
Test cases:	Description		Results	
TC-SMD-CV-001	The system collects all of the images in the messages of the social network.		PASSED	

TC-SMD-CV-002	All of the images are stored and indexed along with the rest of information in the social media.	PASSED
TC-SMD-CV-003	All of the images are analyzed using computer vision to index their contents.	PASSED
TC-SMD-CV-004	All of the indexed contents are stored along the NLP analysis of the text in the messages.	PASSED
TC-SMD-CV-005	All of the results of the computer vision analysis are presented to the users in the user interface.	PASSED

Not all of the technical validation points were marked as 'passed' due to significant misalignments between the initial design (presented in deliverable D4.1 back in project month M4, almost three years before the end of the project) and the change in priorities. However, some new functionality and more relevant features have been put forward to compensate and align the product bettwe with the expectations of the market . For example, complex user management would be important in a commercial product but would not be used by our end-user, thus it has been passed over and substituted with computer-vision based image analytics.

3.3. User Acceptance

The 2019 version of the SoMeDi marketing use case was tested for user acceptance by Lateral in the same fashion it was done in the prior iteration. Since in Lateral the whole social media management is perfomed by just the marketing director of the company, we interviewed her. The meeting was useful for collecting their thoughts on the final version of the Marketing system and collect requirements for post-project exploitation.

FOTO (SI ACASO)

FIGURE 1. MEETING WITH LATERAL SOCIAL MEDIA REPRESENTETIVE

3.3.1. QUALITATIVE EVALUATION AND RESULTS

The process for qualitative evauluation was based on a questionnaire proposed by HI Iberia and conducted with the responsible staff for marketing at Lateral (original source materials collected in Annex B of this document). Continuing with last years' questionnaire, we wanted to see what was the evolution of perceived usefulness with the built prototype with particular focus on the new features incorporated during Y3 of the project: computer vision based image analytics, use of TripAvisor reviews in the analysis loop.

The session lasted around one hour and was organized as follows:

- Start with an introductory session with HI Iberia discussing the advancements during Y3 in SoMeDi for around 5 minutes.
- Overlook of the new visual characteristics of the UI over a printout of a system screenshot. Not many details were provided at this stage.
- Immediately jump into a hands-on session with the system in which a number of tasks to perform with the application were proposed. The tasks were roughly timed and the HI Iberia investigators were present analysing the usage of the interactive tool by the user. No assistance was provided other than the basic (setting up the browser, browsing to the home page). This session lasted for around 20 minutes.
- Then an interview was conducted to deepen into the subject's understanding of the system:
  - General evaluation of the new features: sentiment analysys, general organization of information, generation of results, filtering of the data. This was conducted for roughly 5 minutes.
  - Particular look at the image analytics part. Several questions that included a Likert-scale evaluation plus some free comments were performed. Around 10 minutes were allotted for this.
  - General usability questions: questions about how well the application is presented, if the data is understandable, if it would be useful and efficient on a day-to-day basis. This was completed in around 5 minutes.
- Finally, some questions at the end of the session are presented to discuss potential future research lines and activities in which HI Iberia might be evolving the tool into part of new features for applications already being offered to LATERAL by HI Ibeira. This was conducted in around 10 to 15 minutes.

After the analysis and treatment of data obtained with the interview, we have obtained the following information.

INTERVIEW RESULTS
- **Advancements in the features of SoMeDi in Y3**

The advancements were deemed positive although not fully achieving the expectations. It was explained that this was due to external factors (e.g., Instagram not being that flexible for harvesting data) and this was understood by the end-users, although it lowers a bit the value.

TripAdvisor integration was seen as useful, but could have been complemented by Google Maps reviews which are trending up in usage by the customers of LATERAL.

- **Quick analysis of the screenshot of the prototype**

The screenshot presents a clear overview of the application. All of the functionalities are clear enough from the look of the application. The bar for search is less clear, unclear what is it for in this application.

- **Hands-on tests with the prototype.**

The chosen tasks for the system were as follows:

- Filter selection so it only contains tweets

- Filter selection so it only contains tweets in the time interval Sept-Dec 2019

- Filter selection so that a tweet coming from a user containing a photo is selected.

- Open original tweet in Twitter website from the same tweet selected in the previous task

- Filter selection so only negative comments from TripAdvisor are displayed

- Deactivate all filters so all of the original data is shown.

Most of the tasks were completed. It was difficult for the user to detect messages with attached images. The difference between 'own' messages (those that the restaurants publish) and 'responses' (messages from users) could be clearer. Use of original tweet in Twitter site is not seen useful. Filters are not that clear to be turned off or on. There was sometives excessive scrolling as the analytics fall beyond view when scrolling down list of messges.

- **Usefulness of current capacities in SoMeDi**

- Sentiment analysis

Useful to analyse many tweets at a glance. Useful to keep records in the long term on attitudes of customers. Could be more useful if it was filtered by particular restaurant (right now it is not done as all LATERAL restaurants share the same accounts).

- Computer vision for image analytics

> *- How do you perceive the current capacity of the analysis?*

It is a good start but mostlty not useful for any business purposes.

> *- What would be usefult further advancements in the future.*

Detect particular dishes in photos. Detect photos of service receipts and check if there is sentiment associated to it. Detect most photographed locales to validate the interior design. Photos associated with very negative comments (e.g., if somebody has caught something dirty or some broken infrastructure).

> *- What could this be useful for in your daily work?*

Typically they don't pay much attention to the images that people post. This could be a nice extra but in principle not useful, especially given that just a handful of photos are posted by users.

- **General usability questions**
- *- Is the application understandable enough? What could be improved?*

The application is clear enough for what it is. Maybe most active user list should be clickable. Also it is observed that the two column design could be enhanced so only the rightmost column (tweets, and TripAdvisor messages) scrolls, while the other (analytiocs) could remain stationary. This is based on excessive scrolling during the test.

- **Follow-up advancements after the SoMeDi project**

    - Would you be interested in a commercial evolution of this?

In principle yes, but depending on the details. Interested in any future evolutions beyond the SoMeDi ITEA project.

    - Would your company be willing to pay for such an application?

Difficult to estimate upfront. It is always a hard internal sell to ask for tools for this. Usually only free tools are used and it is difficult to compete with this.

    - Would it be better off as a standalone product or as an add-on for the existing product (HIPPOS point of sale system, already in use at LATERAL)

Better integrated as part of the HIPPOS deal.

    - Any further feedback/comments for the future?

Again, integration with other tools (Instagram, better results with TripAdvisor/Google Maps/the Fork) would yield much more useful value than Twitter.

3.3.2. QUANTITATIVE EVALUATION AND RESULTS

Due to the small team in LATERAL participating in the management of social media, quantitative results were not expected statistically significant results, and thus it was left for demonstrators in Recruitment and Next Best Action.

3.4. Lesson Learnt

In the two years' time that we have evaluated and co-created the Marketing demonstrator with SoMeDi with the help of LATERAL a great deal of lessons have been lerarned, many of which turn back on the very assumptions that we had during the proposal phase of the

project. Thus, we were forced to change gears several times in some critical aspects and features of the tool. The main lessons found during this process were as follows:

- Small and medium companies are aware of the importance of social media to foster their business but are missing key elements to maximise their in this regard. During our experience with LATERAL, they relied on social media to communicate promotions, but they did so using only the most basic of tools: those provided by the social media websites. They knew there existed tools to empower then and do this more efficiently, but they were generally not used, mainly due to perceived costs.

- When analysing the tools in the market that they knew (such as Tweetdeck, Hootsuite and Metricool), it was evident that these are not centered on particular domains such as the restaurant business. This makes it quite apparent for HI Iberia that there is a market niche for such, domain-specific social media analytics tools.

- Some of our initial thoughts about the management requirement in the tool (e.g., the need for multiple levels of users/administators) in the tool proved to be quite misguided. In SMEs and other operations like LATERAL in which social media is managed by a very small team, it is even counterproductive to have this level of complexity built-in. As such, we decided to de-emphasize these requirements and instead introduce new ones related to more innovative features such as the introduction of computer vision.

- The addition of computer vision to the search engine that looks for useful information in the social media messages was welcome, but several causes have impeded it from being truly useful for now. For one, the effort that we have been able to devote to develop it is limited, due to it being our of scope for the original plan in SoMeDi. Secondly, and more important, all AI algorithms require a great deal of information to be trained properly so that they produce good results. With the limited training data available for SoMeDi (LATERALs total messages managed in social media are in the low thousands) only quite basic specific results are achieved, so we resorted to more general intelligence (e.g., describing the contents of images). This has been ranked as not that interesting by LATERAL.

All of the above lessons learnt have been addressed during the course of the last part of the project and have guided the developments in that period. However, other comments have not been able to be resolved in this time and will remain as development directions for future commercial offerings based on SoMeDi, such as:

- Fine grained topic detection: LATERAL wanted the topic detection to be very granular in particular topics of their interest (such as comments on the service or the quality of the products). In the execution of SoMeDi, only detection based on general topics has been implemented.

- In the latter part of the execution time for SoMeDi all companies, and LATERAL among them, have focused much of their effort in social media on using Instagram. This was addressed early in year 3, but it was found that the model offered by Instagram was not easily integrable on SoMeDi due to very high effort being required. Due thus to

limitations in project budget and resources it was decided to postpone it until a commercial phase.

4. USE CASE 2: SOCIAL MEDIA FOR RECRUITING PURPOSES

4.1.   Use case brief description

This use case consists on a different approach on improving the process of integration of young adults into labour market. The Digital Inteligent Interatcion services developed within SoMeDi project are used for data mining available in the SoMeDi platform in order to provide personalized recommendation, evaluation of internship and/or apprenticeship programs offered by the hiring companies or recruitors.

4.2.   Technical validation

This section covers the SoMeDi platform Test Cases – TC (the TCs are the detailed procedures according to which functionalities or aspects related to the functionality of the system must be tested).

The test case documentation includes a description of the functionalities to be tested and the conditions to be met in order to conduct the test activity.

Each test case is characterized by a set of known inputs (preconditions) and outputs or results.

The test cases consist of a set of test scenarios which describe the behavior and predictable interactions of the SoMeDi tested platform with the environment in which it is intended to operate.

1. PUBLIC SECTION

TS-SMD-ZP-001 ACCESING PUBLIC SECTION

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-ZP-001	Version:	1.0
Title:	Accesing public section	Date:	
Description:	Visualising informations from public section of the platform		
Actors:	**ANON, AUTH_A, AUTH_C, ADMIN**		
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser.		
Test cases:	Description	Results	
TC-SMD-ZP-001	Accesing public section	PASSED	

TC-SMD-ZP-001 ACCESING PUBLIC SECTION

TEST CASE – SOMEDI				
Code:	TS-SMD-ZP-001	Version:	1.0	
Title:	Accesing public section	Date:		
Description:	Visualising informations from public section of the platform			
Actors	**ANON, AUTH_A, AUTH_C, ADMIN**			
Preconditions:	SoMeDi platform is available. The user has an active Internet conection. The user has installed on his system at least one browser.			
Steps	Actions and data	Expected results		Obtained result
1	User acceses the platform	The system displays a page containig: 1. - a dinamic area with informations about the purpose of the platform, signed up companies, advertisements; 2. - an area with contact informations; 3. - a connection area to the private section of the platform, marked by **Authentification** button; 4. - a registration area in which the client signes up as a client, marked by **Register as a client button**;		PASSED

2. PERSONAL SPACE SECTION

TS-SMD-SP-001 PERSONAL SPACE SECTION

TEST SCENARIO– SOMEDI			
Code:	TS-SMD-SP-001	Version:	1.0
Title:	Personal space section	Date:	
Description:	Describes accesing mode and the content of Personal Space Section		
Actors:	**AUTH_A, AUTH_C**		
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.		
Test cases:	Description	Results	
TC-SMD-SP-001	Personal Space Section (User)	PASSED	

TC-SMD-SP-002	Personal Space Section(Company)	PASSED

TC-SMD-SP-001 PERSONAL SPACE SECTION (USER)

TEST CASE – SOMEDI				
Code:	TS-SMD-SP-001	Version:	1.0	
Title:	Personal space section	Date:		
Description:	Describes accesing mode and the content of Personal Space Section			
Actors	**AUTH_A**			
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.			
Steps	Actions and data	Expected results		Obtained result
1	The user logs in to the platform.	The system displays the Personal Space for User which contains the following sections and buttons: 1. - **Change Password** button/link; 2. -**Disconnect** button/link; 3. - **Profile Edit** button/link; 4. - **Internship / Apprenticeship Programes** button/link; 5. - **My stages** button/link; 6. - **Recommendations** button/link; 7. - **Dashboard** button/link; 8. - **Delete account** button/link;		PASSED

TC-SMD-SP-002 PERSONAL SPACE SECTION (COMPANY)

TEST USE CASE – SOMEDI				
Code:	TS-SMD-SP-002	Version:	1.0	
Title:	Personal space section	Date:		
Description:	Describes accesing mode and the content of Personal Space Section			
Actors	**AUTH_C**			
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.			
Steps	Actions and data	Expected results		Obtained result

| 1 | The user logs in to the platform. | The system displays the Personal Space for Company which contains the following sections and buttons:
1. - **Change Password** button/link;
2. -**Disconnect** button/link;
3. - **Profile Edit** button/link;
4. - **Internship / Apprenticeship Programes** button/link;
5. - **Feedback moderation** button/link;
6. – **Statistics** button/link;
7. – **Statistics pro** button/link;
8. - **Dashboard** button/link;
9. - **Delete account** button/link; | PASSED |

3. ADMINISTRATION SECTION

TS-SMD-SA-001 ADMINISTRATION SECTION

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-SA-001	Version:	1.0
Title:	Administration section	Date:	
Description:	Describes accesing mode and the content of Administration Section		
Actors:	**ADMIN**		
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.		
Test cases:	Description	Results	
TC-SMD-SA-001	Administration Section	PASSED	

TC-SMD-SA-001 ADMINISTRATION SECTION

TEST SCENARIO– SOMEDI				
Code:	TS-SMD-SA-001	Version:	1.0	
Title:	Administration section	Date:		
Description:	Describes accesing mode and the content of Administration Section			
Actors	**ADMIN**			
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.			
Steps	Actions and data	Expected results		Obtained result

1	The user logs in to the platform.	The system displays the Administration Section which contains the following sections and buttons: 1. - **Change Password** button/link; 2. - **Disconnect** button/link; 3. - **Registered Users** button/link; 4. - **Change Users Accounts** button/link; 5. - **Display Log Activities** button/link; 6. - **Data Sources** button/link;	PASSED

4. LOG IN AS REGISTERED USER

TS-SMD-UI-001 Log in Registered User

TEST SCENARIO– SOMEDI			
Code:	TS-SMD-UI-001	Version:	1.0
Title:	Log in registered user	Date:	
Description:	Describes connecting mode in User Account		
Actors:	**AUTH_A, AUTH_C,ADMIN**		
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.		
Test cases:	Description	Results	
TC-SMD-UI-001	Log in registered user	PASSED	
TC-SMD-UI-002	Log in registered user (email adress and/or incorrect password)	PASSED	

TC-SMD-UI-001 Log in Registered User

TEST USE CASE – SOMEDI				
Code:	TS-SMD-UI-001	Version:	1.0	
Title:	Log in registered user	Date:		
Description:	Describes connecting mode in User Account			
Actors	**AUTH_A, AUTH_C,ADMIN**			
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.			
Steps	Actions and data	Expected results		Obtained result

1	The user views public area of the platform.	The sistem displays public area of the platform.	PASSED
2	The user clicks on the **Log In** button.	It displays **Log In** button which contains the following informations: 1. - email adress; 2. - password; 3. – Captcha system (Google ReCaptcha); 4. - **Password Forgotten** button/link; 5. - **New User? Register here** button/link; 6. - **Log into account** button/link; 7. - **Discard** button/link;	PASSED
3	The user completes the following mandatory informations: - email adress; - password; - Checking " I am not a robot" proceedes **Log into account**;	Depending on the user's role the system will display **Personal Space** page or **Administration** page;	PASSED

TC-SMD-UI-002 LOG IN REGISTERED USER (EMAIL ADRESS AND/OR INCORRECT PASSWORD)

TEST USE CASE – SOMEDI				
Code:	TS-SMD-UI-002	Version:	1.0	
Title:	Log in registered user (email adress and/or incorrect password)	Date:		
Description:	Describes connecting mode in User Account (email adress and/or incorrect password)			
Actors	**AUTH_A, AUTH_C,ADMIN**			
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.			
Steps	Actions and data	Expected results		Obtained result
1	The user views public area of the platform.	The sistem displays public area of the platform.		PASSED

2	The user clicks on the **Log In** button.	It displays **Log In** button which contains the following informations: 1. - email adress; 2. - password; 3. – Captcha system (Google ReCaptcha); 4. - **Password Forgotten** button/link; 5. - **New User? Register here** button/link; 6. - **Log into account** button/link; 7. - **Discard** button/link;	PASSED
3	The user completes the following mandatory informations: - email adress; - password; The user proceeds **Log into Account** button.	The information filled in by the user is not the same with the one saved in the database. The system displays the error message "Email address and/or password incorrect".The user continues connecting process from step number 3 from **TC-SMD-UI-001**.	PASSED

5. DISCONNECT REGISTERED USER

TS-SMD-DU-001 DISCONNECT USER

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-DU-001	Version:	1.0
Title:	Disconnect user	Date:	
Description:	Describes how a platform-logged user can disconnect from the system		
Actors:	**AUTH_A, AUTH_C,ADMIN**		
Preconditions:	The user accesses the platform.		
Test cases:	Description	Results	
TC-SMD-DU-001	Disconnect user	PASSED	

TC-SMD-DU-001 DISCONNECT USER

TEST USE CASE – SOMEDI			
Code:	TS-SMD-UI-002	Version:	1.0	
Title:	Log in registered user (email adress and/or incorrect password)	Date:		
Description:	Describes connecting mode in User Account (email adress and/or incorrect password)		
Actors	**AUTH_A, AUTH_C,ADMIN**		
Preconditions:	The user accesses the platform using a browser. The user has associated an account defined inside the platform.		
Steps	Actions and data	Expected results	Obtained result
1	The user proceeds **Disconnect** button.	The system shuts dowm the user's log session. The system will display in browser the public page of the platform.	PASSED

6. CREATE NEW USER ACCOUNT

TS-SMD-CC-001 CREATE USER ACCOUNT

TEST SCENARIO – SOMEDI				
Code:	TC-SMD-CC-001		Version:	1.0
Title:	Create user account		Date:	
Description:	Describes how a user account can be created.			
Actors:	**ANON**			
Preconditions:	The user accessed successfully the public area of the platform.			
Test cases:	Description		Results	
TC-SMD-CC-001	Create user account		PASSED	

TC-SMD-CC-001 CREATE USER ACCOUNT (APPLICANT)

TEST USE CASE – SOMEDI				
Code:	TC-SMD-CC-001	Version:	1.0	
Title:	Create user account (applicant)	Date:		
Description:	Describes how a user account can be created with an applicant role.			
Actors	**ANON**			
Preconditions:	The user accessed successfully the public area of the platform.			
Steps	Actions and data	Expected results	Obtained result	
1	The user proceeds **Log in** button.	The New User Registration page is displayed.	PASSED	
2	The user selects from Role area, the Applicant option.	For the Applicant role, the page still has the following information: 1. - name and surname (separate, mandatory fields); 2. - email address (required field); 3. -the password (required field); 4. - minimum level of education (mandatory field, list); 5. - experience (mandatory field, multiple options list);	PASSED	

		6. - interests (mandatory field, multiple choice list); 7. - specialization(mandatory field, multiple choice list); 8. - language (list); 9. -geographical area: country (list), county (list), locality (list); 10. - Twitter profile; 11. - Facebook profile; 12. – LinkedIn profile; 13. - profile picture; 14. - public profile (mandatory checkbox, implicitly unchecked); 15. - the degree of completing the information in the profile (in percentage, needable); 16. - birthdate; 17. - **Create Account** button; 18. - **Cancel** button.	
3	The user completes all required fields. The user operates the **Create Account** button.	The system checks if the email address is available (checks if there is no user with the same email address). The system verifies that the input password is in accordance with the constraint template. If all verifications are valid, the test case continues in step 4.	PASSED
4	The system creates the account	The system displays the message "Registration will be completed after the link from the email address is accessed". The system displays the degree of completeness of profile information.	PASSED

TC-SMD-CC-002 CREATE USER ACCOUNT (COMPANY)

TEST USE CASE – SOMEDI				
Code:	TC-SMD-CC-002	Versiune:		1.0
Title:	Create user account (Company)		Data:	
Description:	Describes how a user account can be created with a compnay role.			
Actors	ANON			
Preconditions:	The user accessed successfully the public area of the platform.			
Steps	Actions and data		Expected results	Obtained result

1	The user proceeds **Log in** button.	The New User Registration page is displayed.	PASSED
2	The user selects from Role area, the Company option.	For the Company role, the page still has the following information: 1. - designation(mandatory fields); 2. - email address (required field) 3. -the password (required field); 4. - products/services (mandatory field,multiple options list) 5. -market area (interests)(mandatory field, multiple options list) 6. - language (list); 7. - adress: country (list), county (list), locality (list, mandatory field); 8. - Twitter profile; 9. - Facebook profile; 10. - LinkedIn profile; 11. -company logo 12. - the degree of completing the information in the profile (in percentage, needable); 13. - **Create Account** button; 14. - **Cancel** button.	PASSED
3	The user completes all required fields. The user operates the **Create Account** button.	The system checks if the email address is available (checks if there is no user with the same email address). The system verifies that the input password is in accordance with the constraint template. If all verifications are valid, the test case continues in step 4.	PASSED
4	The system creates the account	The system displays the message "Registration will be completed after the link from the email address is accessed". The system displays the degree of completeness of profile information.	PASSED

TC-SMD-CC-003 CREATE USER ACCOUNT (1)

TEST USE CASE – SOMEDI

Code:	TC-SMD-CC-003		Versiune:	1.0	
Title:	Create user account (1)		Data:		
Description:	Describes how a user account can be created.				
Actors	ANON				
Preconditions:	The user accessed successfully the public area of the platform.				
Steps	Actions and data		Expected results		Obtained result
1	The user proceeds **Log in user** button.		The New User Registration page is displayed.		PASSED
2	The user proceeds one of two options: Applicant or Company		For the Applicant role, the page still has the following information: 1. - name and surname (separate, mandatory fields); 2. - email address (required field); 3. -the password (required field); 4. - minimum level of education (mandatory field, list); 5. - experience (mandatory field, multiple options list); 6. - interests (mandatory field, multiple choice list); 7. - language (list); 8. -geographical area: country (list), county (list), locality (list); 9. - Twitter profile; 10. - Facebook profile; 11. –Linkedin profile; 12. - profile picture; 13. - public profile (mandatory checkbox, implicitly unchecked); 14. - the degree of completing the information in the profile (in percentage, needable); 15. - birthdate;		PASSED

| | | 16. - **Create Account** button;
17. - **Cancel** button.
For the Company role, the page still has the following information:
1. - designation(mandatory fields);
2. - email address (required field)
3. -the password (required field);
4. - products/services (mandatory field,multiple options list)
5. -market area (interests)(mandatory field, multiple options list)
6. - language (list);
7. - adress: country (list), county (list), locality (list, mandatory field);
8. - Twitter profile;
9. - Facebook profile;
10. –LinkedIn profile;
11. -company logo
12. - the degree of completing the information in the profile (in percentage, needable);
13. - **Create Account** button;
14. - **Cancel** button. | |
| 3 | The user forgets to fill in at leats one of the mandatory fields. | Create account is not active. The user resumes the test case TC-SMD-CC-001 or TC-SMD-CC-002 step 3. | PASSED |

TC-SMD-CC-004 CREATE USER ACCOUNT (2)

TEST USE CASE – SOMEDI				
Code:	TC-SMD-CC-004		Versiune:	1.0
Title:	Create user account (2)		Data:	
Description:	Describes how a user account can be created.			
Actors	ANON			

Preconditions:	The user accessed successfully the public area of the platform.		
Steps	Actions and data	Expected results	Obtained result
1	The user proceeds **Log in user** button.	The New User Registration page is displayed.	PASSED
2	The user proceeds one of two options: Applicant or Company	For the Applicant role, the page still has the following information: 1. - name and surname (separate, mandatory fields); 2. - email address (required field); 3. -the password (required field); 4. - minimum level of education (mandatory field, list); 5. - experience (mandatory field, multiple options list); 6. - interests (mandatory field, multiple choice list); 7. - language (list); 8. -geographical area: country (list), county (list), locality (list); 9. - Twitter profile; 10. - Facebook profile; 11. – LinkedIn profile; 12. - profile picture; 13. - public profile (mandatory checkbox, implicitly unchecked); 14. - the degree of completing the information in the profile (in percentage, needable); 15. - birthdate; 16. - **Create Account** button; 17. - **Cance**l button. For the Company role, the page still has the following information:	PASSED

		15. - designation(mandatory fields); 16. - email address (required field) 17. -the password (required field); 18. - products/services (mandatory field,multiple options list) 19. -market area (interests)(mandatory field, multiple options list) 20. - language (list); 21. - adress: country (list), county (list), locality (list, mandatory field); 22. - Twitter profile; 23. - Facebook profile; 24. - LinkedIn profile; 25. -company logo 26. - the degree of completing the information in the profile (in percentage, needable); 27. - **Create Account** button; 28. - **Cancel** button.	
3	The user completes all required fields. The user operates the **Create Account** button.	The system checks if the email address is available (it checks if there is no user with the same email address).	PASSED
4	The eamil adress already exists in the database.	The system displays the message "This email address already exists in the system. Enter another email address ". The user resumes the test case TC-SMD-CC-001 or TC-SMD-CC-002 step 3.	PASSED

TC-SMD-CC-005 CREATE USER ACCOUNT (3)

TEST USE CASE – SOMEDI				
Code:	TC-SMD-CC-005		Versiune:	1.0
Title:	Create user account (3)		Data:	
Description:	Describes how a user account can be created.			

Actors	ANON		
Preconditions:	The user accessed successfully the public area of the platform.		
Steps	**Actions and data**	**Expected results**	**Obtained result**
1	The user proceeds **Log in user** button.	The New User Registration page is displayed.	PASSED
2	The user proceeds one of two options: Applicant or Company	For the Applicant role, the page still has the following information: 1. - name and surname (separate, mandatory fields); 2. - email address (required field); 3. -the password (required field); 4. - minimum level of education (mandatory field, list); 5. - experience (mandatory field, multiple options list); 6. - interests (mandatory field, multiple choice list); 7. - language (list); 8. -geographical area: country (list), county (list), locality (list); 9. - Twitter profile; 10. - Facebook profile; 11. –LinkedIn profile; 12. - profile picture; 13. - public profile (mandatory checkbox, implicitly unchecked); 14. - the degree of completing the information in the profile (in percentage, needable); 15. - birthdate; 16. - **Create Account** button; 17. - **Cancel** button. For the Company role, the page still has the following information:	PASSED

		29. - designation(mandatory fields); 30. - email address (required field) 31. -the password (required field); 32. - products/services (mandatory field,multiple options list) 33. -market area (interests)(mandatory field, multiple options list) 34. - language (list); 35. - adress: country (list), county (list), locality (list, mandatory field); 36. - Twitter profile; 37. - Facebook profile; 38. –LinkedIn profile; 39. -company logo 40. - the degree of completing the information in the profile (in percentage, needable); 41. - **Create Account** button; 42. - **Cancel** button.	
3	The user completes all required fields. The user operates the **Create Account** button.	The system verifies that the input password is in accordance with the constraint template.	PASSED
4	Password does not respect the template.	The system displays the message "The password you entered does not follow the rule: contains at least 6 characters, starts with a letter and contains at least one digit. Enter another password ". The user resumes the test case TC-SMD-CC-001 or TC-SMD-CC-002 step 3.	PASSED

7. ACTIVATION OF THE USER ACCOUNT

TS-SMD-AC-001 ACTIVATION OF THE USER ACCOUNT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-AC-001	Version:	1.0
Title:	Activation of the user account	Date:	
Description:	Descrierea modului în care se activează un cont utilizator		
Actors:	**AUTH_A, AUTH_C**		
Preconditions:	The user created a new account on the SoMeDi platform. The user provided a valid email address. . The user received the account activation link via email. The user has an active Internet connection. The user accesses the link sent via email.		
Test case	Description	Results	
TC-SMD-AC-001	Activation of the user account	PASSED	

TC-SMD-AC-001 ACTIVATION OF THE USER ACCOUNT

TEST SCENARIO – SOMEDI			
Code:	TC-SMD-AC-001	Version:	1.0
Title:	Activation of the user account	Date:	
Description:	Description of how to activate a user account		
Actors:	AUTH_A, AUTH_C		
Preconditions:	The user created a new account on the SoMeDi platform. The user provided a valid email address. The user received the account activation link via email. The user has an active Internet connection. The user accesses the link sent via email.		
Steps	Actions and Data	Expected results	Obtained result
1	The user accesses the link sent via email.	The system displays the Account activation page that contains a notification regarding the account activation.	PASSED

8. CHANGING THE PASSWORD OF A REGISTERED USER ACCOUNT

TS-SMD-MP-001 PASSWORD CHANGE

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-MP-001	Version:	1.0
Title:	Password change	Date:	
Description:	Describes the way the registered and connected user on the SoMeDi platform can change the password to the account.		
Actors:	**AUTH_A, AUTH_C, ADMIN**		
Preconditions :	The user is connected to the SoMeDi platform.		
Test cases	Description	Results	
TC-SMD-MP-001	Password change	PASSED	
TC-SMD-MP-002	Password change (1)	PASSED	
TC-SMD-MP-003	Password change (2)	PASSED	
TC-SMD-MP-004	Password change (3)	PASSED	

TC-SMD-MP-001 PASSWORD CHANGE

TEST CASE– SOMEDI			
Code:	TC-SMD-MP-001	Version:	1.0
Title:	Password change	Date:	
Description:	Describes the way the registered and connected user on the SoMeDi platform can change the password to the account.		
Actors:	AUTH_A, AUTH_C, ADMIN		
Preconditions s:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user accesses the available Change Password link in the Personal Space page.	The system displays the Change Password page with the following information: 1. - old password (required field); 2. - new password (required field); 3. - re-enter your new password (required field); 4. - Change password button;	PASSED

		5. - Cancel button.	
2	The user completes the required fields. The user actions the **Change password** button.	The system checks if the new password differs from the old password. The system checks if the introduced password is in accordance with the pattern of constraint. The system checks if the information in the new password field and the information in the re-enter your password are identical. If all the verifications are valid, the test case continues with step 3.	PASSED
3	The system updated the password in th database.	The system displays a new notification of the password change.	PASSED

TC-SMD-MP-002 PASSWORD CHANGE (1)

TEST CASE – SOMEDI				
Code:	TC-SMD-MP-002	Versiune:	1.0	
Title:	Modificare parolă (1)	Data:		
Description:	Describes the way the registered and connected user on the SoMeDi platform can change the password to the account.			
Actors:	AUTH_A, AUTH_C, ADMIN			
Preconditions:	The user is connected to the SoMeDi platform.			
Steps	Actoins and Data	Expected results		Obtained result
1	The user accesses the available Change Password link in the Personal Space page.	The system displays the Change Password page with the following information: 1. - old password (required field); 2. - new password (required field); 3. - re-enter your new password (required field); 4. - Change password button; 5. - Cancel button.		PASSED
2	The user completes the required fields. The user actions the **Change password** button.	The system checks if the new password and the old password are different.		PASSED

| 3 | The new password does not differ from the old password. | The system displays the message "The new password must be different from the old password" and places the cursor on the new password field. The user resumes the test case **TC-SMD-MP-001** step 2. | PASSED |

TC-SMD-MP-003 PASSWORD CHANGE (2)

TEST CASE – SOMEDI			
Code:	TC-SMD-MP-003	Version:	1.0
Title:	Password change (2)	Date:	
Description:	Describes the way the registered and connected user on the SoMeDi platform can change the password to the account.		
Actors:	AUTH_A, AUTH_C, ADMIN		
Preconditions :	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user accesses the available Change Password link in the Personal Space page.	The system displays the Change Password page with the following information: 1. - old password (required field); 2. - new password (required field); 3. - re-enter your new password (required field); 4. - Change password button; 5. - Cancel button.	PASSED
2	The user completes the required fields. The user actions the **Change password** button.	The system checks if the introduced password is in accordance with the pattern of constraint.	PASSED
3	The password doen not respect the pattern.	The system displays the message "The entered password does not respect the rule: contains minimum 6 characters, starts with a letter and contains minimum a figure. Introduce another password.". The user resumes the test case **TC-SMD-MP-001** step 2.	PASSED

TC-SMD-MP-004 PASSWORD CHANGE (3)

TEST CASE – SOMEDI			
Code:	TC-SMD-MP-004	Version:	1.0

Title:	Password change (3)	Date:	
Description:	Describes the way the registered and connected user on the SoMeDi platform can change the password to the account.		
Actors:	AUTH_A, AUTH_C, ADMIN		
Preconditions :	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user accesses the available Change Password link in the Personal Space page.	The system displays the Change Password page with the following information: 1. - old password (required field); 2. - new password (required field); 3. - re-enter your new password (required field); 4. - Change password button; 5. - Cancel button.	PASSED
2	The user completes the required fields. The user actions the **Change password** button.	The system checks if the information in the new password field and re-enter the new password field is identical.	PASSED
3	The password is not identical.	The system displays the message "Password verification failed. Resume." and automatically places the cursor in the re-enter the new password field. The user resumes the test case **TC-SMD-MP-001** step 2.	PASSED

9. DELETING THE USER ACCOUNT

TS-SMD-SC-001 DELETING THE USER ACCOUNT

TEST CASE – SOMEDI			
Code:	TS-SMD-SC-001	Version:	1.0
Title:	Deleting the user account	Date:	
Description:	Describes the way a registered user deletes the acces account from the platform.		
Actors:	**AUTH_A, AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform.		
Test cases	Description	Results	
TC-SMD-SC-001	Deleting the user account	PASSED	

TC-SMD-SC-001 DELETING THE USER ACCOUNT

TEST CASE – SOMEDI			
Code:	TC-SMD-SC-001	Version:	1.0
Title:	Deleting the user account	Data:	
Description:	Describes the way a registered user deletes the acces account from the platform.		
Actors:	AUTH_A, AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user accesses the available **Delete account** link available in the **Personal Space** page.	The system displays a section containing a message telling the user that they will no longer have access to the information on the platform, the **Delete Account** and **Cancel** buttons.	PASSED
2	The user accesses the **Delete account** button.	The system closes the user session. The system displays the public page of the platform in the browser.	PASSED
3	The system logically deletes the user account by setting the value *Canceled* in the status field.	The system enters the operation into the log tables.	PASSED

10. RESET PASSWORD REQUEST FOR USER ACCOUNT

TS-SMD-CP-001 RESET PASSWORD REQUEST

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-CP-001	Version:	1.0
Title:	Reset password request	Date:	
Description:	Describes the way a registered user can request to reset the password in case he has forgotten it.		
Actors:	**AUTH_A, AUTH_C, ADMIN**		
Preconditions:	The user accesses the platform browser. The user has a defined account associated with the platform.		
Test cases	Description	Results	
TC-SMD-CP-001	Reset password request	PASSED	
TC-SMD-CP-002	Reset password request (1)	PASSED	

TC-SMD-CP-001 RESET PASSWORD REQUEST

TEST CASE – SOMEDI				
Code:	TC-SMD-CP-001	Version:	1.0	
Title:	Reset password request	Date:		
Description:	Describes the way a registered user can request to reset the password in case he has forgotten it.			
Actors:	AUTH_A, AUTH_C, ADMIN			
Preconditions:	The user accesses the platform browser. The user has a defined account associated with the platform.			
Steps	Actions and Data	Expected results		Obtained result
1	The user views the public area of the platform. The user acts on the **Login** button.	The login page is displayed.		PASSED
2	The user acts the button/link **Forgot your password.**	The system displays a page containing the following information: 1. - email address (required field); 2. - **Send** button; 3. - **Cancel** button.		PASSED
3	The user completes the required fields and acts the **Send** button.	The system checks if the email exists in the database. If the email address exists in the database, the test case continues with step 4.		PASSED
4	The system sends to the specified email address a link to reset the password.	The system enters the email sending operation into the log tables.		PASSED
5	The system sets the status of the user with the value **Blocked**.	The system records the status update operation in the log tables.		PASSED

TC-SMD-CP-002 PASSWORD RESET REQUEST (1)

TEST CASE – SOMEDI				
Code:	TC-SMD-RP-002	Version:	1.0	
Title:	Password reset request (1)	Date:		
Description:	Describes the way a registered user can request to reset the password in case he has forgotten it.			
Actors:	AUTH_A, AUTH_C, ADMIN			
Preconditions:	The user accesses the platform browser. The user has a defined account associated with the platform.			
Steps	Actions and Data	Expected results		Obtained result

1	The user views the public area of the platform. The user acts on the **Login** button.	The login page is displayed.	PASSED
2	The user acts the button/link **Forgot your password.**	The system displays a page containing the following information: 1. - email address (required field); 2. - **Send** button; 3. - **Cancel** button.	PASSED
3	The user completes the required fields and acts the **Send** button.	The system checks if the email address exists in the database. If the email address does not exist, the test case continues in step 4.	PASSED
4	The system displays the message "There is no user registered with this email address".	The user resumes the test case TC-SMD-CP-001 step 3.	PASSED

11. PASSWORD RESET FOT THE USER ACCOUNT

TS-SMD-RP-001 PASSWORD RESET

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-RP-001	Version:	1.0
Title:	Password reset	Date:	
Description:	Describes how a registered user can reset his forgotten password		
Actors:	**AUTH_A, AUTH_C, ADMIN**		
Preconditions:	The user has an active internet connection. The user has a defined account associated with the platform. The user has received the password reset email. The user accesses the link received via email.		
Test cases	Description	Results	
TC-SMD-RP-001	Password reset	PASSED	
TC-SMD-RP-002	Password reset (1)	PASSED	
TC-SMD-RP-003	Password reset (2)	PASSED	

TC-SMD-RP-001 PASSWORD RESET

TEST CASE – SOMEDI			
Code:	TC-SMD-RP-001	Version:	1.0
Title:	Password reset	Date:	
Description:	Describes how a registered user can reset his forgotten password		
Actors:	AUTH_A, AUTH_C, ADMIN		
Preconditions:	The user has an active internet connection. The user has a defined account associated with the platform. The user has received the password reset email. The user accesses the link sent via email.		
Steps	Actions and Data	Expected results	Obtained result
1	The system displays the Reset password page.	The page contains a notification and the following information: 1. - new password (required field); 2. - re-enter the new password (required field); 3. - **Send** button.	PASSED
2	The user completes the required fields	The system verifies that the introduced password is in accordance with the constraint	PASSED

and acts the **Send** button.	pattern. The system checks if the information in the new password field and the information in the re-enter new password field are identical. If all checks are valid, the test case continues in step 3.	
3	The system updates the password in the database, changes the user's status to *Active*, and displays the login page.	The system records the status update operation in the log tables.	PASSED

TC-SMD-RP-002 PASSWORD RESET (1)

TEST CASE – SOMEDI			
Code:	TC-SMD-RP-002	Version:	1.0
Title:	Password reset (1)	Date:	
Description:	Describes how a registered user can reset his forgotten password		
Actors:	AUTH_A, AUTH_C, ADMIN		
Preconditions:	The user has an active internet connection. The user has a defined account associated with the platform. The user has received the password reset email. The user accesses the link sent via email.		
Steps	Actions and Data	Expected results	Obtained result
1	The system displays the Reset password page.	The page contains a notification and the following information: 1. - new password (required field); 2. - re-enter the new password (required field); 3. - **Send** button.	PASSED
2	The user completes the required fields and acts the **Send** button.	The system checks if the introduced password respects the constraint pattern.	PASSED
3	The introduced password does not follow the constraint pattern.	The system displays the message "The entered password does not respect the rule: contains minimum 6 characters, starts with a letter and contains minimum a figure. Introduce another password." The user resumes the test case **TC-SMD-RP-001** step 2.	PASSED

TC-SMD-RP-003 PASSWORD RESET (2)

TEST CASE– SOMEDI			
Code:	TC-SMD-RP-003	Version:	1.0

Title:	Password reset (2)		Date:	
Description:	Describes how a registered user can reset his forgotten password			
Actors:	AUTH_A, AUTH_C, ADMIN			
Preconditions:	The user has an active internet connection. The user has a defined account associated with the platform. The user has received the password reset email. The user accesses the link sent via email.			
Steps	Actions and Data	Expected results		Obtained result
1	The system displays the Password reset page	The page contains a notification and the following information: 1. - new password (required field); 2. - re-enter the new password (required field); 3. - **Send** button.		PASSED
2	The user completes the required fields and acts the **Send** button.	The system checks if the information in the new password field and re-enter the new password field is identical.		PASSED
3	The password is not identical.	the system displays the message " Password verification failed. Resume" and places the cursor in the re-enter the new password. The user resumes the test case **TC-SMD-RP-001** step 2.		PASSED

12. EDIT USER ACCOUNT PROFILE

TS-SMD-PC-001 EDIT PROFILE

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-PC-001	Version:	1.0
Title:	Edit profile	Date:	
Description:	Describes how a registered user can edit the information associated to their profile		
Actors:	**AUTH_A, AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform.		
TEST CASES	Descriprion	Results	
TC-SMD-PC-001	Edit profile (Applicant)	PASSED	
TC-SMD-PC-002	Edit profile (Applicant) (1)	PASSED	
TC-SMD-PC-003	Edit profile (Company)	PASSED	
TC-SMD-PC-004	Edit profile (Company) (1)	PASSED	

TC-SMD-PC-001 EDIT PROFILE (APPLICANT)

TEST CASE – SOMEDI			
Code:	TC-SMD-PC-001	Version:	1.0
Title:	Edit profile (Applicant)	Date:	
Description:	Describes how a registered user can edit the information associated to their profile		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Edit profile** button/link in the **Personal space** page.	The **Edit Profile** page is displayed, containing the following information: 1. - email address (non-editable field); 2. - surname and name (required fields); 3. - minimum level of education (required field); 4. - experience (required field); interests (required field); language; 5. -geographical area: country, county, locality; 6. - twitter profile; 7. - facebook profile; 8. – LinkedIn profile; 9. - profile picture; 10. - public profile; 11. -the degree of completion of profile information (in percentage, non-editble); 12. - **Save changes** button; 13. - **Cancel** button.	PASSED
2	The users edits the desired fields and acts the **Save changes** button.	The system updates the information in the database and displays a notification for the user.	PASSED
3	The user acts the **Personal Space** button/link from the **Edit profile** page.	The system displays the Personal Space page.	PASSED

TC-SMD-PC-002 EDIT PROFILE (APPLICANT) (1)

TEST CASE – SOMEDI			
Code:	TC-SMD-PC-002	Version:	1.0
Title:	Edit profile (Applicant) (1)	Date:	
Description:	Describes how a registered user can edit the information associated to their profile		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Edit profile** button/link in the **Personal space** page.	The **Edit Profile** page is displayed, containing the following information: 1. - email address (non-editable field); 2. - surname and name (required fields); 3. - minimum level of education (required field); 4. - experience (required field); interests (required field); language; 5. - geographical area: country, county, locality; 6. - twitter profile; 7. - facebook profile; 8. –LinkedIn profile; 9. - profile picture; 10. - public profile; 11. -the degree of completion of profile information (in percentage, non-editble); 12. - **Save changes** button; 13. - **Cancel** button.	PASSED
2	The users edits the desired fields. At least one of the required fields is not filled in.	The system displays a notification for the blank field. The user resumes the test case **TC-SMD-PC-001** step 2.	PASSED

TC-SMD-PC-003 EDIT PROFILE (COMPANY)

TEST CASE – SOMEDI			
Code:	TC-SMD-PC-003	Version:	1.0
Title:	Edit profile (Company)	Date:	

Description:	Describes how a registered user can edit the information associated to their profile		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Edit profile** button/link in the **Personal space** page.	The **Edit Profile** page is displayed, containing the following information: 1. - email address (non-editable field); 2. - name (required field); 3. - product/services (required field); 4. - market domains (interests) (required field); 5. - language; 6. - address: country, county, locality (required field); 7. - twitter profile; 8. - facebook profile; 9. –LinkedIn profile; 10. - company logo; 11. -the degree of completion of profile information (in percentage, non-editble); 12. - **Save changes** button; 13. - **Cancel** button.	PASSED
2	The users edits the desired fields and acts the **Save changes** button.	The system updates the information in the database and displays a notification for the user.	PASSED
3	The user acts the **Personal Space** button/link from the **Edit profile** page.	The system displays the Personal Space page.	PASSED

TC-SMD-PC-004 EDIT PROFILE (COMPANY) (1)

TEST CASE – SOMEDI			
Code:	TC-SMD-PC-003	Version:	1.0
Title:	Edit profile (Company)	Date:	
Description:	Describes how a registered user can edit the information associated to their profile		
Actors:	AUTH_C		

Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Edit profile** button/link in the **Personal space** page.	The **Edit Profile** page is displayed, containing the following information: 1. - email address (non-editable field); 2. - name (required field); 3. - product/services (required field); 4. - market domains (interests) (required field); 5. - language; 6. - address: country, county, locality (required field); 7. - twitter profile; 8. - facebook profile; 9. –LinkedIn profile; 10. - company logo; 11. -the degree of completion of profile information (in percentage, non-editble); 12. - **Save changes** button; 13. - **Cancel** button.	PASSED
2	The user edits the desired fields. At least one of the fields is not filled in.	The system displays a notification for the blank field. The user resumes the test case **TC-SMD-PC-003** step 2.	PASSED

13. VIEW REGISTERED USERS LIST

TS-SMD-LU-001 VIEW REGISTERED USERS LIST

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-LU-001	Version:	1.0
Title:	View registered users list	Date:	
Description:	Describes how the Administrator user can view the list of registered users		
Actors:	**ADMIN**		
Preconditions:	Describes how the Administrator user can view the list of registered users		
Test cases	Description	Results	
TC-SMD-LU-001	View list of registered users	PASSED	

TC-SMD-LU-001 VIEW LIST OF REGISTERED USERS

TEST CASE – SOMEDI			
Code:	TC-SMD-LU-001	Version:	1.0
Title:	View list of registered users	Date:	
Description:	Describes how the Administrator user can view the list of registered users		
Actors:	ADMIN		
Preconditions:	Describes how the Administrator user can view the list of registered users		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **User List** button in the **Administration** section.	The list of registered users is displayed, containing: 1. - role; 2. - email address; 3. - surname and name (filled in solely for the Applicant role); 4. - company name (filled in solely for the Company role); 5. - status – the field has one of the following values: - *Inactive* – created account but not activated; - *Active* – activ account; - *Blocked* – account for which password reset was requested; - *Canceled* – account deleted at user request; - *Suspended* –account suspended by ADMIN for various reasons; - *Deleted* – account deleted by a user with ADMIN role; 6. - created at the date; 7. - canceled/deleted at the date; 8. - **View Profile** button**.**	PASSED

14. VIEW USER ACCOUNT PROFILE

TS-SMD-VP-001 VIEW PROFILE

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-VP-001	Version:	1.0
Title:	View profile	Date:	
Description:	Describes how the Administrator user can view the profiles of all registered users		

Actors:	**ADMIN**	
Preconditions:	The user is connected to the SoMeDi platform. The user is in section **Administration, User List.**	
Test cases	Description	Results
TC-SMD-VP-001	View profile (Applicant)	PASSED
TC-SMD-VP-002	Vew profile (Company)	PASSED

TC-SMD-VP-001 VIEW PROFILE (APPLICANT)

TEST CASE – SOMEDI			
Code:	TC-SMD-VP-001	Version:	1.0
Title:	View profile (Applicant)	Date:	
Description:	Describes how the Administrator user can view the profiles of all registered users		
Actors:	ADMIN		
Preconditions:	The user is connected to the SoMeDi platform. The user is in section **Administration, User List.**		
Steps	Actions and Data	Expected results	Obtained result
1	The user operates the **View User Profile** button for a user in the list of users.	The **User Profile** page that shows the following information is displayed: 1. - surname and name; 2. - email address; 3. - minimum level of education; 5. - experience; 6. - interests; 7. - language; 8. - geographical area: country, county, locality; 9. - Twitter profile; 10. - Facebook profile; 11. –LinkedIn profile; 12. - profile picture; 13. - public profile (YES/N0);	PASSED

TC-SMD-VP-002 VIEW PROFILE (COMPANY)

TEST CASE – SOMEDI			
Code:	TC-SMD-VP-002	Version:	1.0
Title:	View profile (Company)	Date:	

Description:	Describes how the Administrator user can view the profiles of all registered users		
Actors:	ADMIN		
Preconditions:	The user is connected to the SoMeDi platform. The user is in section **Administration, User List.**		
Steps	Actions and Data	Expected results	Obtained result
1	The user operates the **View User Profile** button for a user in the list of users.	The **User Profile** page that displays the following information is displayed: 1. - name; 2. - email address; 3. - products / services; 4. - market areas (interests?); 5. - language; 6. - address: country, county, locality; 7. - twitter profile; 8. - facebook profile; 9. – LinkedIn profile; 10. - company logo;	PASSED

15. EDIT USER ACCOUNT

TS-SMD-EC-001 EDIT USER ACCOUNT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-EC-001	Version:	1.0
Title:	Edit user accounts	Date:	
Description:	Describes how the Administrator user can edit associated information		
Actors:	**ADMIN**		
Preconditions:	The user is connected to the SoMeDi platform.		
Test cases	Description	Results	
TC-SMD-EC-001	Edit user accounts	PASSED	

TC-SMD-EC-001 EDIT USER ACCOUNTS

TEST CASE – SOMEDI			
Code:	TC-SMD-EC-001	Version:	1.0
Title:	Edit user accounts	Date:	
Description:	Describes how the Administrator user can view the profiles of all registered users		

Actors:	ADMIN		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result

1	The user acts the **Edit user accounts** button from the **Administration** section.	The system displays the **Edit account** page containing the following information:
		1. - role (non-editable);
		2. - email address (non-editable);
		3. - surname and name (filled in solely for the Applying role - non-editable);
		4. - company name (filled in solely for the Company role - non-editable);
		5. - status (editable) – the field has one of the following values:
		  - *Inactive* – created account but not activated;
		  - *Active* – active account;
		  - *Blocked* – account for which password reset was requested;
		  - *Canceled* –account deleted at user request;
		  - *Suspended* – account suspended by ADMIN for various reasons;
		  - *Deleted* – account deleted by a user with ADMIN role;
		6. - explication (editable);
		7. - **Apply** button/link;
		8. - **Add User** button/link;
			PASSED

2	The user chooses another value for the status field (available values are: *Suspended* and *Deleted*) and completes the explanation field and clicks the **Apply** button.	The system updates the information in the database and records the status change operation in the log tables.	PASSED

16. CREATE USER ACCOUNT WITH ADMIN ROLE

TS-SMD-UA-001 CREATE USER ACCOUNT WITH ADMIN ROLE

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-UA-001	Version:	1.0
Title:	Create account with ADMIN role	Date:	
Description:	Describes how an ADMIN account can be registered		
Actors:	**ADMIN**		
Preconditions:	The user is connected to the SoMeDi platform on the Edit Account page		
Test cases	Description	Results	
TC-SMD-UA-001	Create account with ADMIN role	PASSED	

TC-SMD-UA-001 CREATE ACCOUNT WITH ADMIN ROLE

TEST CASE – SOMEDI			
Code:	TC-SMD-UA-001	Version:	1.0
Title:	Create account with ADMIN role	Date:	
Description:	Describes the way an account can register with ADMIN role		
Actors:	ADMIN		
Preconditions:	The user is connected to the SoMeDi platform in the Edit User is connected to the SoMeDi platform on the Edit Account page		
Steps	Actions and Data	Expected results	Obtained result
1	The user operates the **Add User** button on the **Edit Account** page.	The system displays a page containing the information: 1. - email address (required field); 2. - the password (required field); 3. - Re-enter password (required field); 4. - status (required field) - possible values: Active; suspended; 5. - **Create Account** button; 6. - **Cancel** button.	PASSED
2	The user completes the required fields and operates the **Create account** button.	The system checks if the email address is available (checks if there is no user already having the same email address). The system verifies that the entered password is in accordance with the constraint pattern. The system checks whether the information in	PASSED

		the password field and the information in the re-enter password field is the same. If all verifications are valid, the system saves the information in the database.	

TC-SMD-UA-002 CREATE ACCOUNT WITH ADMIN ROLE (1)

TEST CASE – SOMEDI				
Code:	TC-SMD-UA-002		Version:	1.0
Title:	Crete account with ADMIN role (1)		Date:	
Description:	Describes how an ADMIN account can be registered			
Actore:	ADMIN			
Preconditions :	The user is connected to the SoMeDi platform on the Edit Account page			
Steps	Actions and Data		Expected results	Obtained result
1	The user acts the **Add user** button from the **Edit Account** page		The system displays a page containing the information: 1. - email address (required field); 2. - password (required field); 3. - re-enter password (required field); 4. - status (required field) - possible values: - *Active;* - *Suspended*; 5. - **Create Account** button; 6. - **Cancel** button.	PASSED
2	The user omits to fill in at least one of the required fields.		The button **Create account** is not active. The user resumes the test case **TC-SMD-UA-001** step 2.	PASSED

TC-SMD-UA-003 CREATE ACCOUNT WITH ADMIN ROLE (2)

TEST CASE – SOMEDI				
Code:	TC-SMD-UA-003		Version:	1.0
Title:	Create account with ADMIN role (2)		Date:	
Description:	Describes how an ADMIN account can be registered			
Actors:	ADMIN			
Precondition s:	The user is connected to the SoMeDi platform on the Edit Account page			
Steps	Actions and Data		Expected results	Obtained result

Steps	Actions and Data	Expected results	Obtained result

1	The user operates the **Add User** button on the **Edit Account** page	The system displays a page containing the information:
		1. - email address (required field);
		2. - password (required field);
		3. - re-enter password (required field);
		4. - status (required field) - possible values:
		  - *Active;*
		  - *Suspended;*
		5. - **Create Account** button;
		6. - **Cancel** button.
			PASSED

2	The user completes the required fields and operates the **Create account** button.	The system checks if the email address is available (checks if there is no user already having the same email address).	PASSED
3	The email address already exists in the database.	The system displays the message "This email address already exists in the system. Enter another email address ". The user resumes the test case **TC-SMD-UA-001** step 2.	PASSED

TC-SMD-UA-004 CREATE ACCOUNT WITH ADMIN ROLE (3)

TEST CASE – SOMEDI			
Code:	TC-SMD-UA-004	Version:	1.0
Title:	Create account with ADMIN role (3)	Date:	
Description:	Describes how an ADMIN account can be registered		
Actors:	ADMIN		
Preconditions:	The user is connected to the SoMeDi platform on the Edit Account page		
Steps	Actions and Data	Expected results	Obtained result

1	The user acts the **Add user** button from the **Edit Account** page	The system displays a page containing the information:
		1. - email address (required field);
		2. - password (required field);
		3. - re-enter password (required field);
		4. - status (required field) - possible values:
		  - *Active;*
		  - *Suspended;*
		5. - **Create Account** button;
		6. - **Cancel** button.
			PASSED

2	The user completes the required fields and operates the **Create account** button.	The system verifies that the input password is in accordance with the constraint pattern.	PASSED
3	The password doesn't respect the pattern.	The system displays the message "The password you entered does not follow the rule: contains at least 6 characters, starts with one letter and contains at least one digit. Enter another password ". The user resumes the test case **TC-SMD-UA-001** step 2.	PASSED

TC-SMD-UA-005 CREATE ACCOUNT WITH ADMIN ROLE (4)

TEST CASE – SOMEDI			
Code:	TC-SMD-UA-004	Version:	1.0
Title:	Creare cont cu rol de ADMIN (4)	Date:	
Description:	Describes how an ADMIN account can be registered		
Actors:	ADMIN		
Preconditions:	The user is connected to the SoMeDi platform on the Edit Account page		
Steps	Actions and Data	Expected results	Obtained result

1	The user operates the **Add User** button on the **Edit Account** page	The system displays a page containing the information:
		 1. - email address (required field);
		 2. - password (required field);
		 3. - re-enter password (required field);
		 4. - status (required field) - possible values:
		   - *Active;*
		   - *Suspended*;
		 5. - **Create Account** button;
		 6. - **Cancel** button.
			PASSED

2	The user completes the required fields and operates the **Create account** button.	The system verifies that the input password is in accordance with the constraint pattern.	PASSED
3	The password does not respect the pattern.	The system displays the message "The password you entered does not follow the rule: contains at least 6 characters, starts with one letter and contains at least one	PASSED

		digit. Enter another password ". The user resumes the test case **TC-SMD-UA-001** step 2.	

TC-SMD-UA-006 CREATE ACCOUNT WITH ADMIN ROLE (5)

TEST CASE – SOMEDI				
Code:	TC-SMD-UA-004		Version:	1.0
Title:	Create account with ADMIN role (4)		Date:	
Description:	Describes how an ADMIN account can be registered			
Actors:	ADMIN			
Preconditions :	The user is connected to the SoMeDi platform on the Edit Account page			
Steps	Actions and Data	Expected results		Obtained result
1	The user operates the Add User button on the Edit Account page	The system displays a page containing the information: 1. - email address (required field); 2. - password (required field); 3. - re-enter password (required field); 4. - status (required field) - possible values: - *Active;* - *Suspended*; 5. - **Create Account** button; 6. - **Cancel** button.		PASSED
2	The user completes the required fields and operates the **Create account** button.	The system checks whether the information in the password field and the information in the re-enter password field is the same.		PASSED
3	The password is not identical.	The system displays the message "Password verification failed. Resume "and automatically position the cursor in the field re-enter the new password. The user resumes the test case **TC-SMD-UA-001** step 2.		PASSED

17. VIEW ACTIVITY LOG

TS-SMD-JA-001 ACTIVITY LOG

TEST SCENARIO – SOMEDI

Code:	TS-SMD-JA-001	Version:	1.0
Title:	Activity log	Date:	
Description:	Describes how a user can view the activity log (s) executed on the SoMeDi platform		
Actors:	**ADMIN**		
Preconditions:	Utilizatorul este conectat în platforma SoMeDi.		
Test cases	Description		Results
TC-SMD-JA-001	Activity log		PASSED

TC-SMD-JA-001 ACTIVITY LOG

TEST CASE – SOMEDI			
Code:	TC-SMD-JA-001	Version:	1.0
Title:	Activity log	Data:	
Description:	Describes how a user can view the activity log (s) executed on the SoMeDi platform		
Actors:	ADMIN		
Preconditions :	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained results
1	The user operates the **View Logs** button in the **Administration** section.	The system displays a page containing the following information: 1. a search area; 2. a Reset button; 3. a list containing all the ordered items decreasing by date and time; The following are displayed in the list: - action; - date and time; - user.	PASSED

18. VIEW LIST OF INTERNSHIP / APPRENTICESHIP PROGRAMS

TS-SMD-LP-001 VIEW PROGRAMS (OFFERS) AVAILABLE

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-LP-001	Version:	1.0
Title:	View programs (offers) available	Date:	
Description:	Describes how a user can view information about the internship / app program ads posted on the SoMeDi platform		

Actors:	**AUTH_A**	
Preconditions :	The user is connected to the SoMeDi platform on the Personal Space page.	
Test cases	Description	Results
TC-SMD-LP-001	View available programs (offers)	PASSED

TC-SMD-LP-001 VIEW AVAILABLE PROGRAMS (OFFERS)

TEST CASE – SOMEDI			
Code:	TC-SMD-LP-001	Version:	1.0
Title:	View available programs (offers)	Date:	
Description:	Describes how a user can view information about the internship / app program ads posted on the SoMeDi platform		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user accesses the **Internship / Apprenticeship Programs** section on the **Personal Space** page.	The system displays the **Internship / Apprenticeship Programs** page containing the following information: 1. a search area; 2. a Reset button; 3. a list of the internship / apprenticeship programs published in the SoMeDi platform, the prefiltered list according to the domains of interest of the user. The list will only contain programs that have a start date after the current date. The following information will be displayed: - program name; - company name; - venue; - start date program; - run time / end date - status (Possible Values: Announced, Published, Open Entries, Candidate Assessment, In progress, Completed); - **Details** button;	PASSED

| | | - **Signup** button (available only for status signups);
- **Cancel Signup** button (available only if the user enrolled);
- **Complete Feedback** button (available only if the user started the program / completed the program);
- **View Referral** button (available only if the user has received a recommendation from the company). | |

19. VIEW INTERNSHIP / APPRENTICESHIP PROGRAM DETAILS

TS-SMD-DP-001 VIEW INTERNSHIP / APPRENTICESHIP PROGRAM DETAILS

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-DP-001	Version:	1.0
Title:	View Internship / Apprenticeship program details	Date:	
Description:	Describes how a user can view all the details of a particular internship / apprenticeship program		
Actors:	**AUTH_A**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has accessed the Internship / Apprenticeship Programs section of the Personal Space page.		
Test cases	Description	Results	
TC-SMD-DP-001	View Internship / Apprenticeship program details	PASSED	

TC-SMD-DP-001 VIEW INTERNSHIP / APPRENTICESHIP PROGRAM DETAILS

TEST CASE – SOMEDI			
Code:	TC-SMD-DP-001	Version:	1.0
Title:	View Internship / Apprenticeship program details	Date:	
Description:	Describes how a user can view all the details of a particular internship / apprenticeship program		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		

Steps	Actions and Data	Expected results	Obtained result
	The user has accessed the Internship/Apprenticeship Programs section of the Personal Space page.		
1	The user operates the **Details** button of the program that interests him/her from the list of internship / apprenticeship programs.	The system displays an additional area containing all the additional information provided by the company organizing the internship / apprenticeship program and all the feedback received by the company.	PASSED

20. ENROLLMENT IN A INTERNSHIP / APPRENTICESHIP PROGRAM

TS-SMD-IP-001 ENROLLMENT IN A PROGRAM

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-IP-001	Version:	1.0
Title:	Enrollment in a program	Date:	
Description:	Describes how a user can enroll in an internship/ apprenticeship program		
Actors:	**AUTH_A**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has accessed the Internship / Apprenticeship section of the Personal Space page.		
Test cases	Description	Results	
TC-SMD-IP-001	Enrollment in a program	PASSED	

TC-SMD-IP-001 ENROLLMENT IN A PROGRAM

TEST CASE – SOMEDI			
Code:	TC-SMD-IP-001	Version:	1.0
Title:	Enrollment in a program	Date:	
Description:	Describes how a user can enroll in an internship / apprenticeship program		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has accessed the Internship / Apprenticeship section of the Personal Space page.		
Steps	Actions and Data	Expected results	Obtained results
1	The user acts the Apply button for the program that interests him / her from the list of	The system displays the enrollment page containing: 1. - a summary of the program (name, venue, period);	PASSED

	internship / apprenticeship programs.	2. - an admission test (if defined by the company); 3. - a free text area; 4. - **Apply** button; 5. - **Cancel** button.	
2	The user completes the answers to the test questions (if any), fills in the free text area any additional information that he considers useful for accepting it in the program and the Apply button.	The system registers the application in the database and sets the status *registered* for the candidate, sends a notification to the company organizing the program, sends the user a confirmation of the registration and writes the notification sending action to the log tables.	PASSED

21. CANCEL ENROLLMENT IN AN INTERNSHIP / APPRENTICESHIP PROGRAM

TS-SMD-AI-001 CANCEL ENROLLMENT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-AI-001	Version:	1.0
Title:	Cancel enrollment	Date:	
Description:	Describes how a user can unsubscribe from an internship / apprenticeship program		
Actors:	**AUTH_A**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has filled in the application for that program.		
Test cases	Description		Results
TC-SMD-AI-001	Cancel enrollment		PASSED

TC-SMD-AI-001 CANCEL ENROLLMENT

TEST CASE – SOMEDI			
Code:	TC-SMD-AI-001	Version:	1.0
Title:	Cancel enrollment	Date:	
Description:	Describes how a user can unsubscribe from an internship / apprenticeship program		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has filled in the application for that program.		
Steps	Actions and Data	Expected results	Obtained result

1	The user acts on the **Cancel Enrollment** button for the program he wishes to give up.	The system displays a notification window containing the buttons **Cancel Enrollment** and **Cancel.**	PASSED
2	The user acts on the **Cancel Enrollment** button.	The system saves information in the database and updates the status of the candidate with the Retired value. The status update action is updated in the log tables. The system sends a notice to the organization hosting that program and to the user a notice confirming the cancellation of the entry. The system enters the notifications sending actions into the log tables.	PASSED

22. VIEW INTERNSHIPS

TS-SMD-VS-001 VIEW INTERNSHIPS

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-VS-001	Version:	1.0
Title:	View internships	Date:	
Description:	Describes how a user can view all of their enrolled internships, regardless of whether they have completed them or not		
Actors:	**AUTH_A**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Test cases	Description	Results	
TC-SMD-VS-001	View internships	PASSED	

TC-SMD-VS-001 VIEW INTERNSHIPS

TEST CASE – SOMEDI			
Code:	TC-SMD-VS-001	Version:	1.0
Title:	View internships	Date:	
Description:	Describes how a user can view all of their enrolled internships, regardless of whether they have completed them or not		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Steps	Actions and Data	Expected results	Obtained result
	The user visits the **My Internships** section on the	The system displays the **My Internships** page. The page contains:	PASSED

| | Personal Space page. | 1. - a search area;
2. - a **Reset** button;
3. - a list of internship / apprenticeship programs published in the SoMeDi platform where the user has submitted an application for registration. The following inaformation will be displayed:
- program name;
- company name;
- deployed during the period (start date - end date);
- Candidate status (enrolled, Canceled, Admitted, Rejected, Graduate);
- **Fill in Feedback** button (available only if the user started the program / completed the program);
- **View Referral** button (available only if the user has received a recommendation from the company). | |

23. COMPLETING FEEDBACK FOR A INTERNSHIP / APPRENTICESHIP PROGRAM

TS-SMD-CF-001 COMPLETING FEEDBACK

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-CF-001	Version:	1.0
Title:	Complete feedback	Date:	
Description:	Allows completing feedback on the internship / apprenticeship program		
Actors:	**AUTH_A**		
Precondition s:	The user is connected to the SoMeDi platform on the Personal Space page. The user was admitted to that program.		
Test cases	Description	Results	
TC-SMD-CF-001	Complete feedback	PASSED	

TC-SMD-CF-001 COMPLETE FEEDBACK

TEST CASE – SOMEDI			
Code:	TC-SMD-CF-001	Version:	1.0
Title:	Complete feedback	Date:	
Description:	Allows completing feedback on the internship / apprenticeship program		

Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user was admitted to that program.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Complete Feedback** button corresponding to the program for which he wants to send feedback.	The system displays a window containing a free text area, **Send Feedback** and **Cancel** buttons.	PASSED
2	The user completes the free text area and acts the **Send Feedback** button.	The system sets the *Unpublished* value to the status and saves the information in the database. The system sends a notification to the organizing company of the internship/ apprenticeship program and enters the notification sending action into the log tables.	PASSED

24. VIEW RECOMMENDATION RECEIVED FROM A COMPANY

TS-SMD-VR-001 VIEW RECEIVED FEEDBACK/RECOMMENDATION

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-VR-001	Version:	1.0
Title:	View received feedback/recommendation	Date:	
Description:	Allows you to view the recommendations received from the company in which the internship / apprenticeship period took place		
Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform.		
Test cases	Description	Results	
TC-SMD-VR-001	View received feedback/recommendation	PASSED	

TC-SMD-VR-001 VIEW RECEIVED FEEDBACK/RECOMMENDATION

TEST CASE – SOMEDI			
Code:	TC-SMD-VR-001	Version:	1.0
Title:	View received feedback/recommendation	Date:	
Description:	Allows you to view the recommendations received from the company in which the internship / apprenticeship period took place		

Actors:	AUTH_A		
Preconditions:	The user is connected to the SoMeDi platform.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **View Recommendation** button from the **Internship / Apprenticeship Programs** page or the button **Received Recommendations** from the **Personal Space** page.	The system displays the **Recommendations** page. The page contains the revceived recommendations on a selected internship on the **Interships / Apprenticeship** page or contains all the recommendations received. The page shows: 1. - the name of the Program (Stage); 2. - a fragment of the text of the recommendation; 3. - **Download** button.	PASSED
2	The user operates the **Download** button according to the recommendation they want to download.	The system generates a pdf file containing the received recommendation and displays the window to open or save the file.	PASSED
	The user can choose to open or save the generated file.	The system opens or saves the generated file.	PASSED

25. VIEW LIST OF ADVERTISEMENTS

TS-SMD-AP-001 VIEWING YOUR OWN ADVERTISEMENTS

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-AP-001	Version:	1.0
Title:	Viewing your own advertisements	Date:	
Description:	Allows you to view the list of the internship / apprenticeship programs' ads		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Test cases	Description	Results	
TC-SMD-AP-001	Viewing your own advertisements	PASSED	

TC-SMD-AP-001 VIEWING YOUR OWN ADVERTISEMENTS

TEST CASE – SOMEDI			
Code:	TC-SMD-AP-001	Version:	1.0

Title:	Viewing your own advertisements	Date:		
Description:	Allows you to view the list of the internship / apprenticeship programs' advertisements			
Actors:	AUTH_C			
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.			
Steps	Actions and Data	Expected results		Obtained result

1	The user accesses the **Internship / Apprenticeship** section on the Personal Space page	The system displays the **Internship / Apprenticeship** page that contains:
		1. - a search area;
		2. - **Reset** button;
		3. - **Add Program** button;
		4. - a list of their own practice / apprenticeship programs published on the SoMeDi platform, ordered decreasing after the start date. The following information will be displayed:
		   - start date program;
		   - status (*Draft, Published, Open Entries, Candidate Assessment, In progress, Completed, Canceled*);
		   - program name;
		   - venue;
		   - no. available seats;
		   - run time / end date
		   - **Candidate List** button;
		   - **Edit** button;
		   - **Publish** button;
		   - **Cancel** button.
				PASSED

26. ADD INTERNSHIP / APPRENTICESHIP ADVERTISEMENT

TS-SMD-AA-001 ADD ADVERTISEMENT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-AA-001	Version:	1.0
Title:	Add advertisement	Date:	
Description:	Allows adding advertisements with internship / apprenticeship programs		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Test cases	Description	Results	
TC-SMD-AA-001	Add advertisement	PASSED	

TC-SMD-AA-002	Add advertisement (1)	PASSED

TC-SMD-AA-001 ADD ADVERTISEMENT

TEST CASE – SOMEDI			
Code:	TC-SMD-AA-001	Version:	1.0
Titlu:	Add advertisement	Date:	
Description:	Allows adding advertisements with internship / apprenticeship programs		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Add Program** button in the **Internship / Apprenticeship Programs** page.	The system displays the **Add Program** page, containing the following information: 1. - the name of the program (required field); 2. – paid or not(yes/no) 3. - start date (mandatory field); 4. - duration; 5. - location 6. - enrollment period: start date and end date (mandatory fields); 7. - the number of seats available; 8. - areas of interest; 9. - information about enrollment (option to select the domain); 10. - **Add Questions** button; 11. - **Save Advertisement** button; 12. - **Cancel** button.	PASSED
2	The user completes the fields on the page, acts the **Add Questions** button to enter test questions and acts the **Save Advertisement** button.	The system saves the information in the database, the advertisement having the status *Draft*.	PASSED

TC-SMD-AA-002 ADD ADVERTISEMENT (1)

TEST CASE – SOMEDI			
Code:	TC-SMD-AA-002	Version:	1.0
Title:	Add advertisement (1)	Date:	
Description:	Allows adding advertisements with internship / apprenticeship programs		
Actors:	AUTH_C		

Precondition s:	The user is connected to the SoMeDi platform on the Personal Space page.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Add Program** button in the **Internship / Apprenticeship Programs** page.	The system displays the **Add Program** page, containing the following information: 1. - the name of the program (required field); 2. - start date (mandatory field); 3. - duration; 4. - enrollment period: start date and end date (mandatory fields); 5. - the number of seats available; 6. - areas of interest; 7. - information about enrollment; 8. - **Add Questions** button; 9. - **Save Advertisement** button; 10. - **Cancel** button.	PASSED
2	The user does not complete all the required fields.	The button **Save Advertisement** is not active. Resume the test case **TC-SMD-AA-001** step 2.	PASSED

27. EDIT INTERNSHIP / APPRENTICESHIP ADVERTISEMENT

TS-SMD-EA-001 EDIT ADVERTISEMENT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-EA-001	Version:	1.0
Title:	Edit advertisement	Date:	
Description:	Allows editing the advertisements with the internship / apprenticeship programs		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page.		
Test cases	Description	Results	
TC-SMD-EA-001	Edit advertisement	PASSED	

TC-SMD-EA-001 EDIT ADVERTISEMENT

TEST CASE – SOMEDI			
Code:	TC-SMD-EA-001	Version:	1.0
Title:	Edit advertisement	Date:	
Description:	Allows editing the advertisements with the internship / apprenticeship programs		
Actors:	AUTH_C		

Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Edit** button on the **Internship / Apprenticeship** page.	The system displays the Edit Program page containing the following information: 1. - start date; 2. - duration; 3. - enrollment period: start date and end date; 4. - the number of seats available; 5. - status; 6. - information on enrollment; 7. - Edit Questions button; 8. - Edit button; 9. - Cancel button.	PASSED
2	The user edits the desired fields and acts on the **Edit** button.	The system saves the information in the database. If the status has changed, the system enters the status change action into the log tables.	PASSED

28. PUBLISH INTERNSHIP / APPRENTICESHIP PROGRAM ADVERTISEMENT

TS-SMD-PA-001 PUBLISH ADVERTISEMENT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-PA-001	Version:	1.0
Title:	Publish advertisement	Date:	
Description:	Allows publishing internship / apprenticeship programs advertisements		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform in the Internship / Apprenticeship Programs page.		
Test cases	Description		Results
TC-SMD-PA-001	Publish advertisement		PASSED

TC-SMD-PA-001 PUBLISH ADVERTISEMENT

TEST CASE – SOMEDI			
Code:	TC-SMD-PA-001	Version:	1.0
Title:	Publish advertisement	Date:	
Description:	Allows publishing internship / apprenticeship programs advertisements		
Actors:	AUTH_C		

Precondition s:	The user is connected to the SoMeDi platform in the Internship / Apprenticeship Programs page.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts on the Internship / Apprenticeship page on the Publish button related to the program he wants to make public.	The system changes the status of the program to **Publish** and writes the status change action to the log tables.	PASSED

29. CANCEL INTERNSHIP / APPRENTICESHIP PROGRAM ADVERTISEMENT

TS-SMD-AU-001 CANCEL ADVERTISEMENT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-AU-001	Version:	1.0
Title:	Cancel advertisement	Date:	
Description:	Allows canceling advertisements with internship / apprenticeship programs		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Test cases	Description	Results	
TC-SMD-AU-001	Cancel advertisement	PASSED	

TC-SMD-AU-001 CANCEL ADVERTISEMENT

TEST CASE – SOMEDI			
Code:	TC-SMD-AU-001	Version:	1.0
Title:	Cancel advertisement	Date:	
Description:	Allows canceling advertisements with internship / apprenticeship programs		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page.		
Steps	Actions and Data	Expected results	Obtained result
1	The user operates the **Cancel Advertisement** button on the **Internship / Apprenticeship** page.	The system displays an area containing a confirmation action message, the **Cancel Advertisement** and **Cancel** buttons.	PASSED
2	The user operates the **Cancel Advertisement** button.	The system changes the status of the program to *Canceled*, saves the information in the database and sends a notification to all subscribers. The system records	PASSED

		the status change action in the log tables. The system enters the notification action in the log tables.	

30. VIEW LIST OF CANDIDATES

TS-SMD-LA-001 VIEW LIST OF CANDIDATES

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-LA-001	Version:	1.0
Title:	View list of candidates	Date:	
Description:	Allows viewing the list of applicants for the internship / apprenticeship programs		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has at least one published program.		
Test cases	Description	Results	
TC-SMD-LA-001	View list of candidates	PASSED	

TC-SMD-LA-001 VIEW LIST OF CANDIDATES

TEST CASE – SOMEDI			
Code:	TC-SMD-LA-001	Version:	1.0
Title:	View list of candidates	Date:	
Description:	Allows viewing the list of applicants for the internship / apprenticeship programs		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has at least one published program.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the in the page **Internship / Apprenticeship Programs** page the button **Enrollment List** available in the programs list.	The system displays the Scheduled Persons List page for that program. The list contains the following information ordered by status, date of enrollment (descending) and name (alphabetical): 1. - name and surname; 2. - **Applicant Details** button / link; 3. - age; 4. - status; 5. - **Applicant Management** button.	PASSED
2	To display more information, the user	The system displays a section containing the following information:	PASSED

acts on the **Applicant Details** link.	1. - the experience; 2. - area of interest; 3. - the answer to the questions in the test.	

31. APPLICANT MANAGEMENT – COMPLETE STATUS ACCEPTED, REJECTED, GRADUATE

TS-SMD-CS-001 APPLICANT MANAGEMENT – COMPLETE STATUS ACCEPTED, REJECTED, GRADUATE

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-CS-001	Version:	1.0
Title:	Applicant management – complete status accepted, rejected, graduate	Date:	
Description:	Allows updating the status of your application for the internship / apprenticeship programs		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has at least one published program, a program in the Status enrollments, In progress.		
Test cases	Description	Results	
TC-SMD-CS-001	Applicant management – complete status accepted, rejected, graduate	PASSED	

TC-SMD-CS-001 APPLICANT MANAGEMENT – COMPLETE STATUS ACCEPTED, REJECTED, GRADUATE

TEST CASE – SOMEDI			
Code:	TC-SMD-CS-001	Version:	1.0
Title:	Applicant management – complete status accepted, rejected, graduate	Date:	
Description:	Allows updating the status of your application for the internship / apprenticeship programs		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has at least one published program, a program in the Status enrollments, In progress.		
Steps	Actions and Data	Expected results	Obtained result
1	The user operates the **Applicant**	The system displays the Aplicant page. The page displays the following information:	PASSED

	Management button in the Personal Space.	1. - name and surname (required field); 2. - experience (field of necessity); 3. - area of interest (required field); 4. - the answer to the test questions (required field); 5. - status (editable field, one of the following values can be selected: *Accepted, Rejected, In Review, Graduate*); 6. - **Modify Status** button; 7. - **Complete Recommendation** button.	
2	The user selects the desired value from the Status list and acts on the **Modify Status** button.	The system displays a notification section of the modification, containing a free text field and the buttons **Apply** and **Cancel**.	PASSED
3	The user completes the reasoning of the resolution and acts the **Apply** button.	The system saves the new value of the status in the database and sends a notification to the applicant, writes the status change action to the log tables, and enters the notification sending action into the log tables.	PASSED

32. APPLICANT MANAGEMENT – COMPLETE RECOMMENDATION

TS-SMD-CR-001 APPLICANT MANAGEMENT – COMPLETE RECOMMENDATION FOR AN APPLICANT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-CR-001	Version:	1.0
Title:	Applicant management – complete recommendation for an applicant	Date:	
Description:	Allows completion of a recommendation after completing the internship / apprenticeship program		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has at least one published program, with the status In progress, Finalized, for which the Applicants have the Accepted or Graduate status.		
Test cases	Description		Results
TC-SMD-CR-001	Applicant management – complete recommendation for an applicant		PASSED

TEST CASE – SOMEDI			
Code:	TC-SMD-CR-001	Version:	1.0
Title:	Applicant management – complete recommendation for an applicant	Date:	
Description:	Allows completion of a recommendation after completing the internship / apprenticeship program		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the Personal Space page. The user has at least one published program, with the status In progress, Finalized, for which the Applicants have the Accepted or Graduate status.		

Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Complete feedback** button from the **Applicant** page.	The system displays a section containing a free text area, a **Publish** button, and a **Cancel** button.	PASSED
2	The user completes the feedback / recommendation in the free text area and then acts on the **Publish** button.	The system saves the information in the database. The system sends a notification to the applicant.	PASSED

33. FEEDBACK MODERATION – PUBLISHING

TS-SMD-FP-001 FEEDBACK MODERATION – PUBLISH

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-FP-001	Version:	1.0
Title:	Feedback moderation – publish	Date:	
Description:	Allows publishing of the feedback sent by the applicant for the company where the internship / apprenticeship took place		
Actors:	**AUTH_C**		
Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page. The user has at least one published program.		

Test cases	Description	Results
TC-SMD-FP-001	Feedback moderation – publish	PASSED

TC-SMD-FP-001 FEEDBACK MODERATION – PUBLISH

TEST CASE – SOMEDI

Code:	TC-SMD-FP-001		Version:	1.0
Title:	Feedback moderation – publish	Date:		
Description:	Allows publishing of the feedback sent by the applicant for the company where the internship / apprenticeship took place			
Actors:	AUTH_C			
Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page. The user has at least one published program.			
Steps	Actions and Data	Expected results		Obtained result
1	The user acts the **Moderate feedback** button from the Personal Space page.	The system displays the page **Received Feedback** containing a list of posts with the status *Unpublished* (ndicating the fact that the posts were not moderated), each element in the list being accompanied by the **Moderate** button.		PASSED
2	The user acts the **Moderate** button associated to the desired text.	The system displays a section containing: 1. - the received feeedback (non-editable field); 2. - justification; 3. - **Publish** button; 4. - **Reject** button.		PASSED
3	The user acts the **Publish** button.	The system changes the status of the post to *Published*. The system enrolls the status update action in the log tables.		PASSED

34. FEEDBACK MODERATION - REJECT

TS-SMD-FR-001 FEEDBACK MODERATION - REJECT

TEST SCENARIO – SOMEDI				
Code:	TS-SMD-FR-001		Version:	1.0
Title:	Feedback moderation - reject	Date:		
Description:	Allows rejecting the feedback sent by the applicant for the company where the internship / apprenticeship took place			
Actors:	AUTH_C			
Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page. The user has at least one published program.			
Test cases	Description		Results	
TC-SMD-FR-001	Feedback moderation - reject		PASSED	

TC-SMD-FR-001 FEEDBACK MODERATION - REJECT

<table>
<tr><td colspan="5" align="center">TEST CASE – SOMEDI</td></tr>
<tr><td>Code</td><td>TC-SMD-FR-001</td><td>Version:</td><td colspan="2">1.0</td></tr>
<tr><td>Title:</td><td>Feedback moderation - reject</td><td>Date:</td><td colspan="2"></td></tr>
<tr><td>Description:</td><td colspan="4">Allows rejecting the feedback sent by the applicant for the company where the internship / apprenticeship took place</td></tr>
<tr><td>Actors:</td><td colspan="4">AUTH_C</td></tr>
<tr><td>Precondition s:</td><td colspan="4">The user is connected to the SoMeDi platform in the Personal Space page.
The user has at least one published program.</td></tr>
<tr><td>Steps</td><td>Actions and Data</td><td colspan="2">Expected results</td><td>Obtained result</td></tr>
<tr><td>1</td><td>The user acts the **Moderate feedback** button from the Personal Space page.</td><td colspan="2">The system displays the page **Received Feedback** containing a list of posts with the status *Unpublished* (ndicating the fact that the posts were not moderated), each element in the list being accompanied by the **Moderate** button.</td><td>PASSED</td></tr>
<tr><td>2</td><td>The user acts the **Moderate** button associated to the desired text.</td><td colspan="2">The system displays a section containing:
1. - the received feeedback (non-editable field);
2. - justification;
3. - **Publish** button;
4. - **Reject** button.</td><td>PASSED</td></tr>
<tr><td>3</td><td>The user acts the **Reject** button.</td><td colspan="2">The system changes the status of the post to *Rejected*. The system enrolls the status update action in the log tables.</td><td>PASSED</td></tr>
</table>

<table>
<tr><td>2</td><td>The user completes the answers to the test questions (if any), fills in the free text area any additional information that he considers useful for accepting it in the program and the Apply button.</td><td>The system registers the application in the database and sets the status *registered* for the candidate, sends a notification to the company organizing the program, sends the user a confirmation of the registration and writes the notification sending action to the log tables.</td><td>PASSED</td></tr>
</table>

35. ADDING NEW COMPANY USER

TS-SMD-ANCU-001 ADD NEW USER

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-ANCU-001	Version:	1.0
Title:	Add new company user	Date:	
Description:	Allows the addition of a new account / user associated with the company.		
Actors:	**AUTH_C**		
Preconditions:	The user is logged into the SoMeDi platform on the Accounts page. The user has at least one published program.		
Test cases	Description	Results	
TC-SMD-ANCU -001	The user activates the Add user button on the Accounts page.	PASSED	

TC-SMD-ANCU-001 ADD NEW USER

TEST CASE – SOMEDI			
Code	TC-SMD-ANCU-001	Version:	1.0
Title:	Add new user	Date:	
Description:	Allows the addition of a new account / user associated with the company.		
Actors:	AUTH_C		
Preconditions:	The user is logged into the SoMeDi platform on the Accounts page. The user has at least one published program.		
Steps	Actions and Data	Expected results	Obtained result
1	The user activates the Add user button on the Accounts page.	The page below presents the following information: 1. - email address (required field); 2. - the role of the user 3. - departments (compulsory field, list of multiple options); 4.- market areas (interests) departments (compulsory field, list of multiple options); 5. first and last name (required field); 6. - password and password confirmation (required field); 7. - Create Account button; 8. - Cancel button.	PASSED

TC-SMD-ANCU-002 CHANGE STATUS OF USER

TEST CASE – SOMEDI				
Code	TC-SMD-ANCU-002	Version:	1.0	
Title:	Change status of user	Date:		
Description:	Allows to change the status of a new account / user associated with the company			
Actors:	AUTH_C			
Preconditions:	The user is logged into the SoMeDi platform on the Accounts page. The user has at least one published program.			
Steps	Actions and Data	Expected results		Obtained result
1	The user activates the On / Off button on the Accounts page.	The account status will automatically change to On / Off (switch button).		PASSED

36. DATA VISUALIZATION AND REPORTING TOOLS

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-SIDI-001	Version:	1.0
Title:	The view of informtion about DII services packages	Date:	
Description:	It describes how a company-type user, AUTCH_C, can use the DII tool kit. The services refer to the analysis of the texts written by the candidate, using the Sentiment Analysis		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform on the page on the Personal Space.		
Test cases	Description	Results	
TC-SMD-SIDI-001	The view of informtion about DII services packages.	Passed	

TC-SMD-SIDI-001 VIEW CANDIDATES STATISTICS

TEST CASE – SOMEDI			
Code	TC-SMD-SIDI-001	Version:	1.0
Title:	View Candidates Statistics	Date:	
Description:	The system displays candidates statistics generated from analyzed database using sentiment analysis tool.		

Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page. The user has at least one published program and one applicant.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Statistics** button from the Personal Space page.	The system displays the page **Statistics** containing a list of generated statistics (a set of visual instruments available for the company users' designed to improve the assessment of the internship campaign). - Internship Database (Age, Level of Study, Field of Study, Work Experience, Full Name, Email); - Candidates Age; - Candidates Work Experience; - Candidates Level of Study; - Candidates Field of Study;	PASSED

TC-SMD-SIDI-002 VIEW CANDIDATES STATISTICS PRO

TEST CASE – SOMEDI			
Code	TC-SMD-SIDI-002	Version:	1.0
Title:	View Candidates Statistics Pro	Date:	
Description:	The system displays more statistics about candidates feedback and preferences generated from analyzed database using sentiment analysis tool designed to improve the assessment of the internship campaign.		
Actors:	AUTH_C		
Preconditions:	The user is connected to the SoMeDi platform in the Personal Space page. The user has at least one published program and one applicant.		
Steps	Actions and Data	Expected results	Obtained result
1	The user acts the **Statistics PRO** button from the Personal Space page.	The system displays the page **Statistics PRO** containing a list of generated statistics - Internship Database (Age, Level of Study, Field of Study, Work Experience, Departments,NLP Score, Full Name, Email);	PASSED

		- Candidates Overall tendencies; - Candidates Feedback; - Candidates Preferences;	

The test cases methodology for this Test Scenario is detailed in section 4.3.1.

4.3.   User Acceptance

For the first validation phase, we should have the initial end-user validation including an overview of:

- *the SoMeDi platform usability ensuring a sufficient number of real life test scenarios (section 3.3.2),*
- *the DII tool reliability (section 3.3.1).*

4.3.1. QUALITATIVE EVALUATION AND RESULTS

FIRST EVALUATION

In order to prepare the Recruiting Demonstrator release in WP4, the recruiting DII tools (sentiment analysis applications as presented and analyzed in deliverable D3.1) were tested on as many candidates as possible, and so Digital Interaction Data was created.

These DID was structured as Metadata (DataBase) and then processed using Data Mining type Clustering and Text Analytics methods to find the following information / patterns:

    a) identify the most suitable method for finding the candidates' opinions about the hiring company fields of activity (a comparison between the three NLP solutions Stanford, Google, Azure);

    b) produce several visual instruments (reporting tools) with statistics concerning:

        i. the internship programme – candidates age, field of study, level of study, work experience;

        ii. the candidates' opinions about the hiring company fields of activitiy;

        iii. the number of accepted applications reported to the number of candidated who actually started the internship programme;

        iv. the candidates' opinions after the internship programme (feedback).

We have created a database with candidates opinion regarding the hiring company different domains. First, we have analyzed the answers using **SoMeDi_Sentiment-Analyze_StanfordCoreNLP_EN** application based on Stanford NLP sentiment analysis resources.

Afterward, we have analyzed the database (the answers which the candidates provided) using two sentiment analysis APIs, one from Google Cloud, and one from Microsoft Azure. This task was performed by running this java code[1] in a Google Doc App script editor.

In **¡Error! No se encuentra el origen de la referencia.** below we presented an example with the s entiment analysis score generated in the Google Doc.
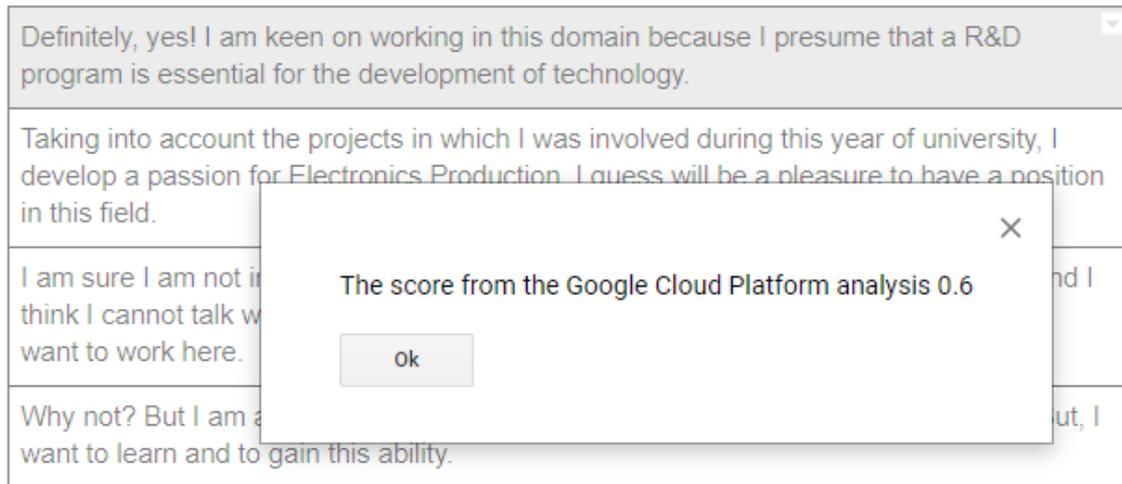
FIGURE 2. GOOGLE SENTIMENT ANALYSIS ENGINE SCORE

After centralizing the results from all three methods, we compared the sentiment analysis scores. The Database and the comparisons are presented in **appendix A "Metadata Mining. Candidates' opinion Database and Comparisons"**.

In order to assess objectively the sentiment analysis scores we advanced the following comparison methods:

- Comparison Method 1: Calculate an average of the 3 scores and then look for the closest score compared to the average to find the winner of that line.
- Comparison Method 2: calculate 3 differences between the 3 scores taken 2; then the smallest difference is found and 2 winners of that line are selected for that difference.
- Comparison Method 3: remove the extreme scores and choose the intermediate score for the winner of that line.

Explanations for the appendix A document "Metadata Mining. Candidates' opinion Database and Comparisons":

---

[1] SoMeDi - Sentiment analysis on Google Docs using Google Cloud Platform and Azure, *https://gist.github.com/dorinelfilip/eb669bbe72f5c8f9b2c1f99b97968003#file-google_platform-js*

- 24 candidates, each one with 4 sentences (opinions) have been analyzed (24 x 4 lines in table);
- Comparison method 1 – marked with blue, Comparison method 2 -- marked with pink, Comparison method 3 marked with–yellow;
- The line winners – are marked with green;
- The comparison method's winner – marked with black;
- The lines which are not considered for the comparison method's winner -- marked with red.

Note: in cases where there are more than 1 winner in methods 1 and 3 and more winning pairs in method 2 then those comparisons / lines are not considered for comparison method's winner.

The winner for each method is chosen by summing the winnings on each line (sum per column). The final winner has the most winnings (Google NLP).

The added value resulted by analyzing the DID can be identified by structuring the DID metadata and then processed using Data Mining type Clustering and Text Analytics methods to find the following information/patterns:

- Company User Metrics (a set of visual instruments available for the company users' designed to improve the assessment of the internship campaign). This visual instruments will display the following statistics – the candidates age, level of education, field of study, work experience; also, after the candidates provide their text input regarding the company's fields of activity we will present certain tendencies – which field of activity is most attractive, etc.
- Student User Metrics – several reporting tools which will present the status of the user internship applications;
- Internship campaigns Metrics – these reporting tools will present the candidates feedback after the internship programme.

FINAL EVALUATION

Following the first evaluation of the sentiment analysis engines, BEIA updated its comparison report based on:

- added the latest Stanford NLP sentiment analysis kit[2],
- tested the Sentiment Analysis application for Romanian language (Figure 3).

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[2] https://stanfordnlp.github.io/CoreNLP/

Eg. EN: *I like to work with BEIA. There are really great people.*

Eg. RO: *Sunt foarte fericit la locul de muncă. Îmi place sa lucrez la BEIA.*

Eg. ES: *Agradezco las felicitaciones, no está nada mal saber lo que la gente percibe y lo que expresa de los resultados de uno.*
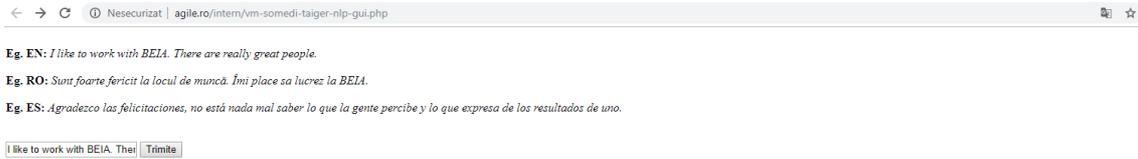
FIGURE 3. ROMANAIN SENTIMENT ANALYSIS APPLICATION – VISUAL INTERFACE

In Appendix A. "Metadata. The database and the comparisons of sentiment analysis tools "are summarized the results of the comparative analysis for identifying the most appropriate method for sentiment analysis based on the candidates' opinions regarding the areas of activity of the employer.

Appendix C. "Metadata Mining. Candidates' opinion Database and Comparisons (updated version)" presents the results of the comparative analysis performed in order to identify the suitable method – the sentiment analysis engine which provides best results – for analyzing the students' opinions regarding the company's fields of activity and their feedback.

Below are some explanations regarding the three methods of comparison regarding the sentiment analysis scores.

- First method of comparison - green;
- Second method of comparison - pink;
- 3rd method of comparison - yellow;

- Best sentiment analysis scores - green;
- Best sentiment analysis engine - black;
- Results which are excluded from the statistical process - with red.

The methodology of selecting the best SA solution is based on the use of the following 3 comparison methods, each based on a different metric.

Method I

The metric selected for this method is represented by - The absolute deviation from the average value (the average value of the sentiment analysis scores obtained from the sentiment analysis engines which we tested).

Method II

The metric selected is represented by - The minimum distance between the results of the evaluations with the 4 SA engimes (sentiment analysis scores).

Method III

Elimination of the extreme values (minimum and maximum value) and determination on each line of the remaining values of the upper and lower intermediate values.

Appendix D. "The results of the sentiment analysis instrument based on a classifier trained text written in Romanian" presents the results of the comparative analysis performed to determine the correlation coefficient between

- the results of using the sentiment analysis engine from Google and Google Translation API using text written in Romanian,
- and, the results of using Google sentiment analysis over the text written in Romanian, after the text content has been translated in to English – human translation performed.

The correlation coefficient achieved for the comparative analysis of google en / google ro indicates that the use of the Google Translate tool, in order to translate the content from Romanian to English, does not significantly affect the results obtained in the sentiment analysis processing stage.

4.3.2. QUANTITATIVE EVALUATION AND RESULTS

PLATFORM CONFIGURATION
- Users registered in platform:
  - o   15 Companies
  - o   31 Applicants

- Current configuration

Processor	6 core, 2.4 GHz / core
Memory	16 GB
Storage capacity	100 GB
Operating system	Ubuntu

Minimum configuration is required for up to 40 concurrent users. Concurrent users are defined as those users who use a specific section of the platform at the same time. For this level of use, a server with the following features is required:

Processor	6 core, 2.4 GHz / core
Memory	8 GB
Storage capacity	100 GB (does not include backup)
Internet bandwidth	At least 10 Mbps
Operating system	Unix-based is recommended (CentOS or Ubuntu), but Windows also can be used

PLATFORM CONFIGURATION EVALUATION
The platform configuration evaluation was based on the following two scenarios:

- Testing performance of the SoMeDi Recruitment platform considering the average response time.
- Testing performance of the SoMeDi Recruitment platform considering the maximum number of concurrent users.

In the diagram below (Figure 4) are displayed the results after testing the SoMeDi platform in order to verify the response time in case of accessing the platform by 50 concurrent users for 1 minute.

50 concurrent users / 1 minute

Avg response time: 465ms

Min/Max: 161/1467

Test duration: 1min

Suc. responses: 3251

Timeout responses: 0

Data recieved by clients: 22.06Mb

FIGURE 4. PERFORMANCE EVALUATION RESULTS

In the diagram below (Figure 5) are displayed the results after testing the SoMeDi platform in order to verify the response time in case of accessing the platform by 200 concurrent users for 1 minute.

200 concurrent users / 1 minute

Avg response time: 1473ms

Min/Max: 164/10208

Test duration: 1min

Suc. responses: 3829

Timeout responses: 16

Error rate 0.4%

Data recieved by clients: 29.76Mb
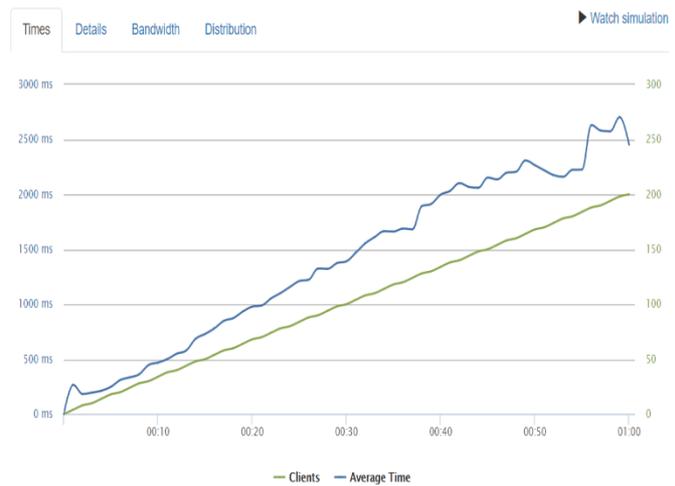
FIGURE 5. PERFORMANCE EVALUATION RESULTS

4.4.   Lessons Learnt

As mentioned earlier, the DID was structured as Metadata (DataBase) and then processed using Data Mining type Clustering and Text Analytics methods to find the following information / patterns:

- Company User Metrics (a set of visual instruments available for the company users' designed to improve the assessment of the internship campaign). This visual instruments will display the following statistics – the candidates age, level of education, field of study, work experience; also, after the candidates provide their text input regarding the company's fields of activity we will present certain tendencies – which field of activity is most attractive, etc.
- Student User Metrics – several reporting tools which will present the status of the user internship applications;
- Internship campaigns Metrics – these reporting tools will present the candidates feedback after the internship programme

We prepared a first version of the above-mentioned metrics by gathering the relevant information from a group of 24 students, they were asked to complete a Google Form Survey. We analyzed their input using POWER BI application.

This first version of the metrics demonstrator (Figure 6) can be accessed here [3].
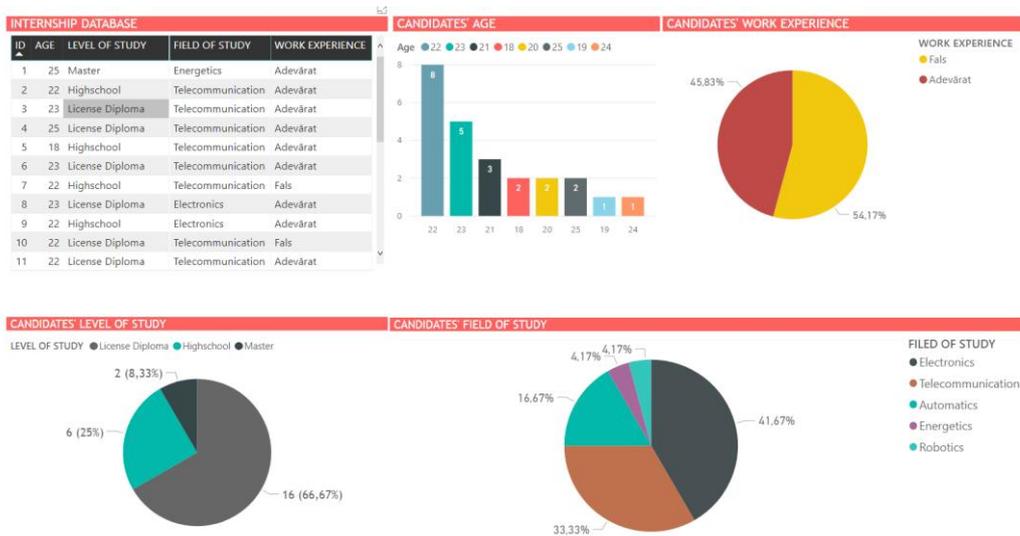
FIGURE 6. Google Sentiment Analysis score

The strategy for exploitation of the HR digital interaction platform depends on the promotion of the services offered by it to the target groups. Thus, we identified the key KPIs with the two main target groups: students and companies, with the help of two online surveys.

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[3]

https://app.powerbi.com/view?r=eyJrIjoiMGMxMjA4MDAtZmI0Yi00N2QzLWI4OTAtYzcwOWM4ZDkxZjI0IiwidCI6IjA0NzRjNDUzLTkxNjgtNDViNy05ODU5LWYxY2JlNmU2NWUyNCIsImMiOjl9

The following diagrams are representing the statistical results of the online questionnaire filled by 30 students[4].

Level of education
30 de răspunsuri
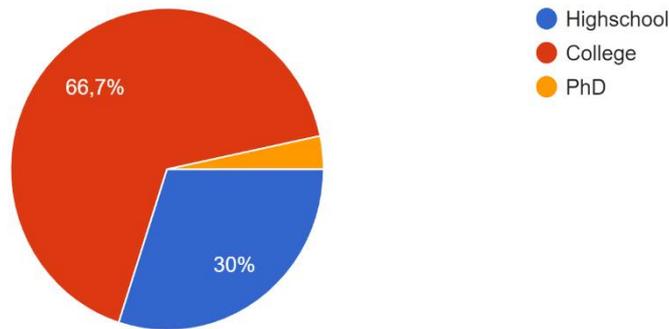
FIGURE 7. STUDENTS' RESPONSES TO THE ONLINE SURVEY (1)

Analyzing the graph above, it can be seen that more than half of the interviewees have graduated higher education, while 30% have finished only high school.

Field of study
30 de răspunsuri
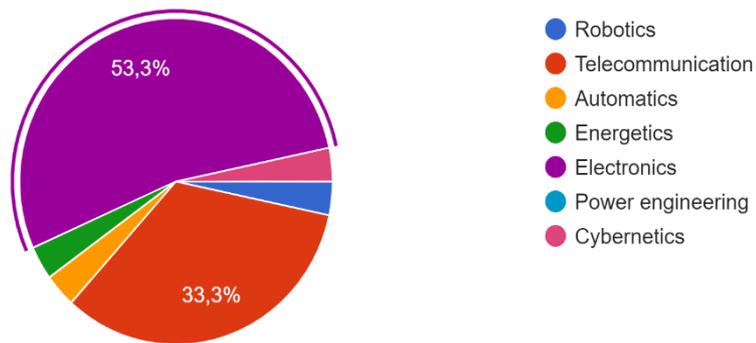
FIGURE 8. STUDENTS' RESPONSES TO THE ONLINE SURVEY (2)

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4   https://docs.google.com/forms/d/e/1FAIpQLSffHzN_27jVYuvUXPjV_r5JsIiGqXV2-P8aVeX7VkAt-pB2Gw/viewform

According to the graph above, it can be observed that in the field of specialization, the technical education institutions predominate, over 50% have specialization Electronics and over 33% have specialization Telecommunications.

Have you participated in other internship programs?
30 de răspunsuri
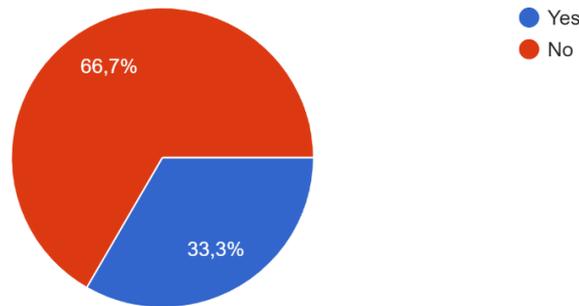
FIGURE 9. STUDENTS' RESPONSES TO THE ONLINE SURVEY (3)

From the diagram above it can be seen that two thirds of the interviewees did not participate in other internship programs.

What do you expect from an internship program?
30 de răspunsuri
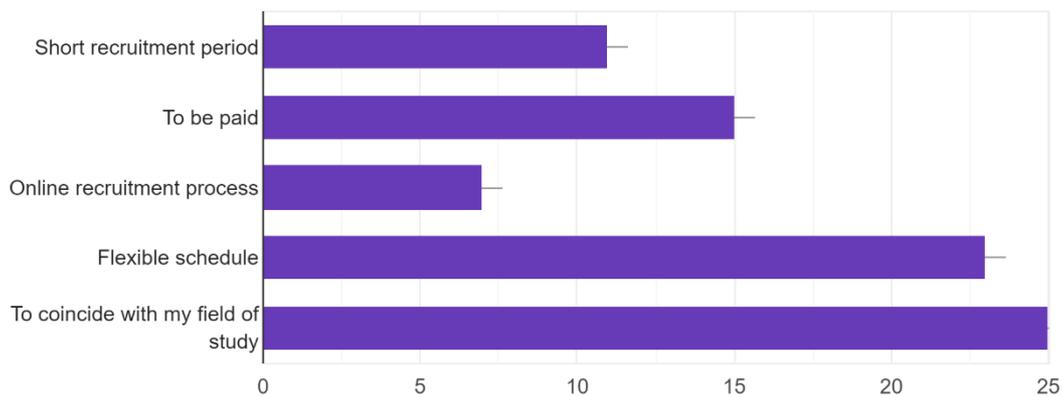
FIGURE 10. STUDENTS' RESPONSES TO THE ONLINE SURVEY (4)

The main characteristics that the students' considered most important from an internship program were:

- that their activity in the company to coincide with their field of study (83.3%), have a flexible program (76.7%), be paid (50%), and they also wanted a short recruitment period (36.7%).

How many recruitment steps did you go through?
30 de răspunsuri
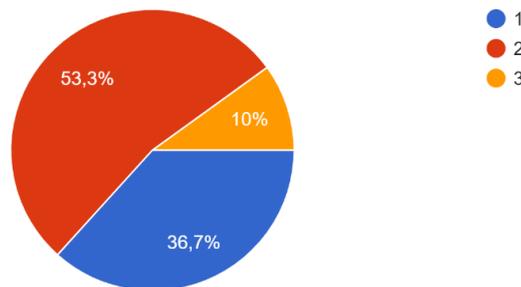
FIGURE 11. STUDENTS' RESPONSES TO THE ONLINE SURVEY (5)

Over 50% of those surveyed went through two recruitment stages, when applying to an internship program, while only 36.7% passed only through one recruitment stage.

Do you use online recruitment platforms?
30 de răspunsuri
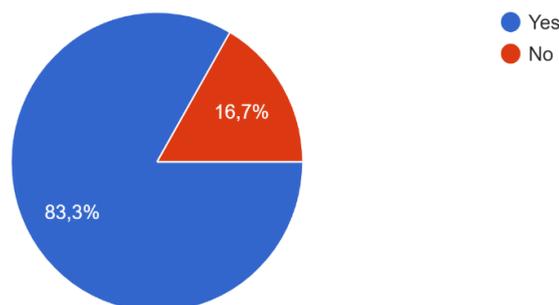
FIGURE 12. STUDENTS' RESPONSES TO THE ONLINE SURVEY (6)

Analyzing the graph above, it is observed that over 83% of the respondents use online recruitment platforms.

What features would you like to have available in online recruitment platforms?
30 de răspunsuri
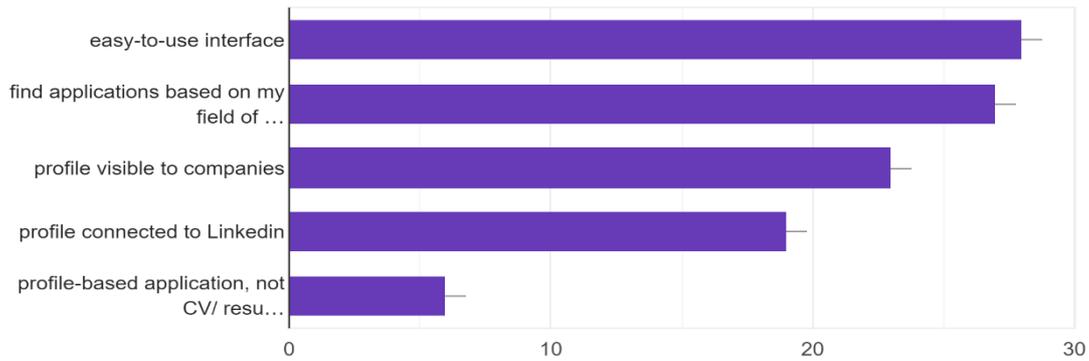
FIGURE 13. STUDENTS' RESPONSES TO THE ONLINE SURVEY (7)

The main features desired by those interviewed about the functionalities of an online recruitment platform are: An easy-to-use interface (93.3%), finding applications that correspond to their field of study (90%), profile visibility to companies (76.7%).

The following diagrams are representing the statistical results of the online questionnaire filled by 11 HR representatives from different companie[5].

5

https://docs.google.com/forms/d/e/1FAIpQLSe15jmx5Jv3JnHgPVho4FlSqzUrT4LCKm3Z_RrmnCcVxoORBg/viewform

Please fill the company field of activity

11 răspunsuri
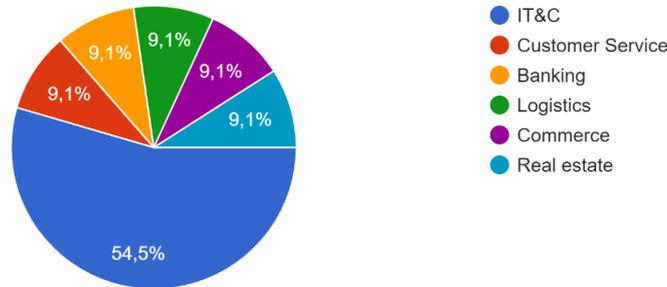
FIGURE 14. RECRUITERS RESPONSES TO THE ONLINE SURVEY (1)

Over 54% of the companies surveyed are from IT&C area, while the rest operate in equal proportions (9.1%) in the following fields: banking, commerce, real estate, logistics and customer service.

How many recruitment campaigns are performed per year?

11 răspunsuri
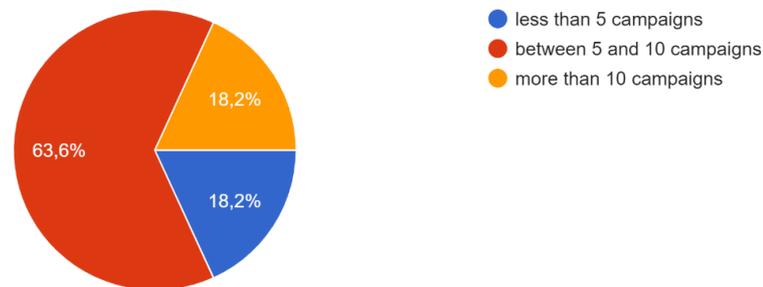
FIGURE 15. RECRUITERS RESPONSES TO THE ONLINE SURVEY (2)

Over 63% of the companies surveyed specify that they run more than 10 recruitment campaigns annually.

Do you use online recruitment platforms?
11 răspunsuri
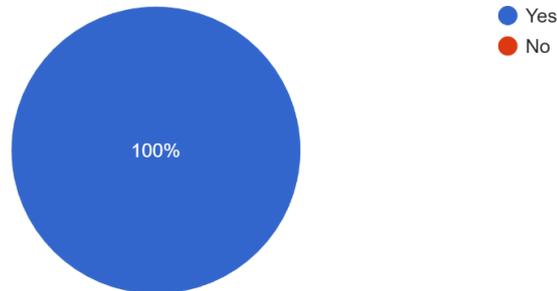
FIGURE 16. RECRUITERS RESPONSES TO THE ONLINE SURVEY (3)

All the surveyed companies use online recruitment platforms.

Does any of these tool use artificial intelligence in order to provide you better results?
11 răspunsuri
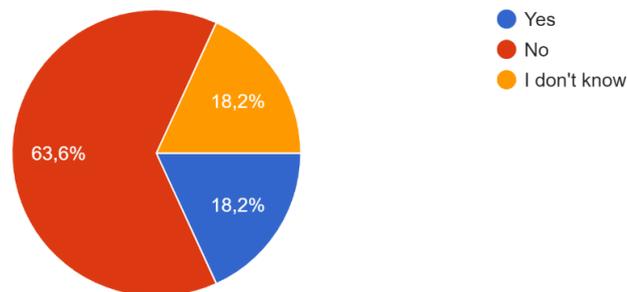
FIGURE 17. RECRUITERS RESPONSES TO THE ONLINE SURVEY (4)

Analyzing the graph above, we can see that over 63% of the companies (or persons involved in the recruitment process) stated that the their HR tools do not use AI technologies.

What additional services would you like these platforms to have?

11 răspunsuri

History of interviews
N/a
searching for multiple competences
The possibility to obtain references from the previous employers.
Faster replies.
Announce if you are accepted or not at the company
feedback
offer direct contact
sentiment analysis tool
direct feedback
real time statistics

FIGURE 18. RECRUITERS RESPONSES TO THE ONLINE SURVEY (5)

The additional services desired by companies / recruiters for the HR platforms are: habing available a History of reviews, to be able to search candidates through filters on multiple competencies, have real-time statistics, availability of analytical tools based on AI.

How many candidates are interviewed per campaign / internship program?

11 răspunsuri

Legend:
- 10-30
- 30-60
- 60-100

54,5%
45,5%
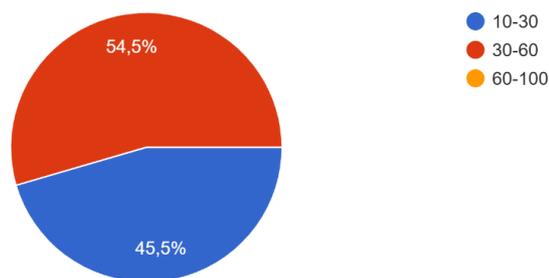
FIGURE 19. RECRUITERS RESPONSES TO THE ONLINE SURVEY (6)

According to the surveyed companies, the number of interviewed candidates varies between 30-60 people for each internship application.

What is the average duration for selecting the candidates?

11 răspunsuri
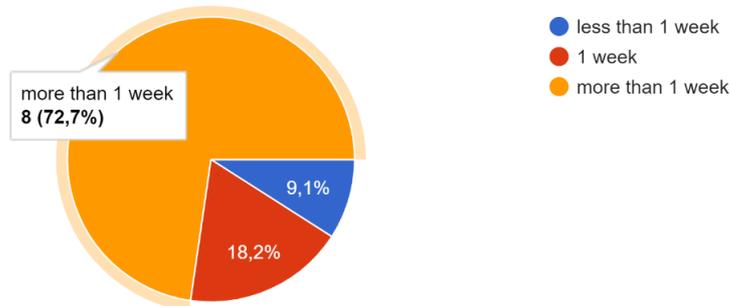
FIGURE 20. RECRUITERS RESPONSES TO THE ONLINE SURVEY (7)

Most of the interviewed companies (72.7%) stated that, on average, they spend more than a week selecting candidates, and only 9.1% of them complete the recruitment process in less than a week.

How many recruitment steps are required to make a decision on the candidate?

11 răspunsuri
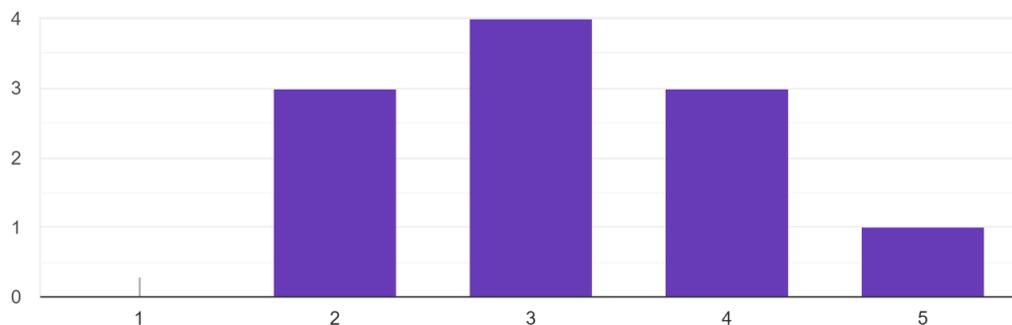
FIGURE 21. RECRUITERS RESPONSES TO THE ONLINE SURVEY (7)

Of the companies interviewed, none of them can make a decision on a candidate after only one recruitment stage, most opting for 2 (27.3%), 3 (36.4%) or 4 (27.3%) stages of recruitment.

The main conclusions from the two online surveys which targeted the main categories of end users of SoMeDi Recruitment platform are:

- Both target group manifested interest towards online platform which allow either finding a job quickly or identify a suitable candidate.
- At the same time, we concluded that the important factor for the target group of students is to find internship offers that correspond to their field of study. The tendency, in the case of recruiters, is to test, identify tools that will facilitate the screening process of candidates.

5. USE CASE 3: NEXT BEST ACTION

5.1. Use case brief description

The main purpose of this use case, to increase the marketing performance of telecommunication companies. The focus is on using customers social media sharing, comments and like, we will offer best suitable packages to customers by using SoMeDi's Chat Bot Tool.

Using SoMeDi's Chat Bot Tool, the platform will generate:

- Offering the most suitable data and voice package based on Social Media .
- Increase package sales
- Considering customer requests
- Targeted social activity
- Brand reputation increase
- Evaluating the positive and negative comments of customers on social media
- Maintaining customer satisfaction.

Main KPIs identified to assess the impact of SoMeDi in this use case are:

- Increase customers' access the impact
- Online sales increase
- To increase social activity with clients'

5.2. Technical validation

Along this section the test scenarios for SoMeDi platform are detailed. The test cases consist of a set of test scenarios which describe the behavior and predictable interactions of the SoMeDi tested platform with the environment in which it is intended to operate.

The test case documentation includes a description of the functionalities to be tested and the conditions to be met in order to conduct the test activity.

5.2.1. TEST SCENARIO TS-SMD-CM-001 – FLOW MANAGEMENT

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-FM-001**	Version:	2.0
Title:	Flow management	Date:	
Description:	This test covers creating two new flows. One of them is for training, the other one is for prediction. Train flow is integrated with Social Media. It is collecting sentiment values of users from Social Media Platform. Prediction flow is getting requests from Chatbot and returning eligible packages for users.		
Actors:	ANON, AU, ADMIN		
Precondition s:	SoMeDi platform is available.		

Test cases:	Description	Results
	The user has an active Internet connection. The user is registered in the system.	
TC-SMD-FM-001	Create Flow	
TC-SMD-FM-002	Edit Flow	
TC-SMD-FM-003	Delete Flow	
TC-SMD-FM-004	Private Section	
TC-SMD-FM-005	Add Flow Node	The functionalities for the flow management has been implemented. That all test cases work successfully.
TC-SMD-FM-006	Add Flow Event	
TC-SMD-FM-007	Deploy Flow	
TC-SMD-FM-008	Execute Flow	
TC-SMD-FM-009	Train Model	
TC-SMD-FM-010	Flow Dashboard	

5.2.2. TEST SCENARIO TS-SMD-CM-001– CHATBOT MANAGEMENT

TEST SCENARIO – SOMEDI			
Code:	**TS-SMD-DD-001**	Version:	2.0
Title:	ChatBot Management	Date:	
Description:	This scenario covers users' chatbot access. By entering the phone number of the user, the user can get prediction for the most suitable voice and data package in the system.		
Actors:	**ANON, AU**		

Preconditions:	SoMeDi platform is available. The user has an active Internet connection. The user has entered ChatBot with any browser.	
Test cases:	Description	Results
TC-SMD-CM-001	Accessing public ChatBot Section	The functionalities for user management have been implemented.
TC-SMD-CM -002	Enter Mobile Phone Number	
TC-SMD-CM -003	User Checked	
TC-SMD-CM-004	Asking eligible packages to chatBot	
TC-SMD-CM-005	Offered Packages Checked	

5.2.3. TEST SCENARIO TS-SMD-SM-001– SOCIAL MEDIA MANAGEMENT

TEST SCENARIO – SOMEDI			
Code:	TS-SMD-SM-001	Version:	2.0
Title:	SOCIAL MEDIA MANAGEMENT	Date:	
Description:	This test covers social media Management. Train flow is integrated with Social Media events. It is collecting sentiment values of users from Social Media Platform. Prediction flow is getting requests from Chatbot and returning eligible packages for users.		
Actors:	ANON, AU		
Preconditions:	SoMeDi platform is available. The user has an active Internet connection. The user is registered in the Social Media Account.		
Test cases:	Description	Results	
TC-SMD-SM-001	Login Social media Account		
TC-SMD-SM -002	User's shares a sentiment about packets.		
TC-SMD-SM -003	Social Media accountId and GSM numbers are matched		

TC-SMD-SM-004	Data collection	The functionalities for the Social media management has been implemented. That all test cases work successfully.
TC-SMD-SM-005	The data is forwarded to Evam.	
TC-SMD-SM-006	NLP Processing	
TC-SMD-SM-007	Offer Eligible Package	
TC-SMD-SM-008	Offered Packages Checked	

5.3. User Acceptance

5.3.1. QUALITATIVE EVALUATION AND RESULTS

For this iteration no qualitative evaluation have been carried out.

Output	Unique value proposition	Markets to be exploited	Fast exploitation or Already in-use
• Real Time Interaction Management Platform	• AI & Machine Learning based analysis of large data sets • Real-time analysis of data	• Telco • Banking • Retail • Airlines • IoT	• Replace existing platforms in Turkcell. • Exploited to telecommunications companies & operators through Turkcell network. • Commercialized to retail and customer and IoT providers in USA, Europe and MEA through Evam network.

5.3.2. QUANTITATIVE EVALUATION AND RESULTS

- Current Engine configuration

Current Evam Engine Congfiguration	
Processor	80 Core 2.00GHz
Storage capacity	558 GB
Memory	256 GB
Operating system	Red Hat Enterprise Linux Server 7.7(Maipo)

- Turkcell Operations Statistics

Turkcell Operations	Statictics
Daily Customer Touch	9M Subscribers
Daily Distinct Customer Touch	5M Subscriberd
Daily Customer Data that is Used for Service Cache	350 GB
Daily Sale	15.000 Package
Average Time	40mls

5.4.   Lessons Learnt

In order to measure the success of Next Best Action algorithm which we used to offer products to customers by using their sentiments about products and their packages, we get in contact with 100 customers via our call center agents to make a survey and qualify the customers' satisfaction on the offered products and packages.

64 out of 100 customers have accepted to participate in the survey. We expected to see the offered package was the one the customers would select among five alternative packages.

Our unique question in the survey was the following:

"Considering your current package, which new package would you prefer to choose?"

The package alternatives were changing for each customers. After collecting the results and compare them with the offered packages, we came up with a conclusion that Next Best Action algorithm' s success rate was %91.

6. CONCLUSIONS

In this document we have provided the final validation results for the SoMeDi platform and particularly for the Use Case 1: Social media for marketing purposes and the Use Case 2: Social media for recruiting as well as Use Case 3: Next Best Action, Along this document we have provided both technical validation and user validation:

- For technical validation, we have defined test scenarios starting from the functional requirements defined in D4.1 that have been validated with the current functionalities of the project. Some of these have diverged from the initial plans presented in D4.1 as this was done early in the project and much of the motivation for features has changed during the two years' evoltution of the project. With this, some requirements have been discarded and other introduced..
- For the user acceptance validation, we have carried out mainly qualitative and qualitative analyses in all use cases UC1, UC2 and UC3.
- Also for each of the use cases a section including the lessons learnt is provided that will be useful for the next iteration and for improvements in the platform based on the trials results.

In the process of evaluation, the prospects and connections with future exploitation of the results in commercial products have been outlined. This provides

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ANNEX A - METADATA MINING. CANDIDATES' OPINION DATABASE AND COMPARISONS

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2-Azure	Stanford 2-TAIGER	Google-Azure	Google-TAIGER	Azure-TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	Definitely, yes! I am keen on working in this domain because I presume that a R&D program is essential for the development of technology.	0,5	0,8	0,8	0,98	0,77	0,270	0,030	0,030	0,210	0,300	0,300	0,480	0,000	0,180	0,180	0,500	0,800	0,800	0,980	0,500	0,800	0,800	0,980
1	Taking into account the projects in which I was involved during this year of university, I develop a passion for Electronics Production. I guess will be a pleasure to have a position in this field.	0,5	0,65	0,9	0,975	0,75625	0,256	0,106	0,144	0,219	0,150	0,400	0,475	0,250	0,325	0,075	0,500	0,650	0,900	0,975	0,500	0,650	0,900	0,975
	I am sure I am not interested in this domain, because right now I have a lot of thrills and I think I cannot talk with many people and sell the product. So, for this moment I do not want to work here.	0,25	0,25	0,03	0,165	0,17375	0,076	0,076	0,144	0,009	0,000	0,220	0,085	0,220	0,085	0,135	0,250	0,250	0,030	0,165	0,250	0,250	0,030	0,165

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	Why not? But I am aware of the fact that I don't have the ability to repair something. But, I want to learn and to gain this ability.	0,416666667	0,65	0,03	0,045	0,285417	0,131	0,365	0,255	0,240	0,233	0,387	0,372	0,620	0,605	0,015	0,417	0,650	0,030	0,045	0,417	0,650	0,030	0,045
	Yes! Because I want to know more about electronics and the perfect step is to search for information. I want to work here!	0,5	0,7	0,7	0,905	0,70125	0,201	0,001	0,001	0,204	0,200	0,200	0,405	0,000	0,205	0,205	0,500	0,700	0,700	0,905	0,500	0,700	0,700	0,905
2	Yes! Because I think it is suitable for me! I like your company so, I want to work here.	0,666666667	0,65	0,7	0,985	0,750417	0,084	0,100	0,050	0,235	0,017	0,033	0,318	0,050	0,335	0,285	0,667	0,650	0,700	0,985	0,667	0,650	0,700	0,985
	Yes! Due to the fact that it`s one of my favorite. It will be a pleasure to work with your company!	0,583333333	0,75	0,9	0,995	0,807083	0,224	0,057	0,093	0,188	0,167	0,317	0,412	0,150	0,245	0,095	0,583	0,750	0,900	0,995	0,583	0,750	0,900	0,995
	Yes! I am quite interested! Because I think my second name is " solution" so, I like to repair everything. Definitely, I want	0,5625	0,75	0,8	0,995	0,776875	0,214	0,027	0,023	0,218	0,188	0,238	0,433	0,050	0,245	0,195	0,563	0,750	0,800	0,995	0,563	0,750	0,800	0,995

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	to work within your company.																							
	Yes, I like this domain! Because it is interesting! Yes, I like to work here!	0,583333333	0,8	0,9	0,995	0,819583	0,236	0,020	0,080	0,175	0,217	0,317	0,412	0,100	0,195	0,095	0,583	0,800	0,900	0,995	0,583	0,800	0,900	0,995
3	No, I hate this domain! Because I think it is not suitable for me! Yes, I don't want to work here!	0,333333333	0,15	0,009	0,985	0,369333	0,036	0,219	0,360	0,616	0,183	0,324	0,652	0,141	0,835	0,976	0,33	0,150	0,009	0,985	0,333	0,150	0,009	0,985
	Yes, I like! Because it`s an amazing domain. Yes, I want!	0,75	0,75	0,9	0,995	0,84875	0,099	0,099	0,051	0,146	0,000	0,150	0,245	0,150	0,245	0,095	0,750	0,750	0,900	0,995	0,750	0,750	0,900	0,995
	No! Because I hate it! No, I don't want!	0,416666667	0,25	0,003	0,91	0,394917	0,022	0,145	0,392	0,515	0,167	0,414	0,493	0,247	0,660	0,907	0,417	0,250	0,003	0,910	0,417	0,250	0,003	0,910
4	Yes! I enjoy work here! I want to be a part of this company! I will be happy to work here!	0,8125	0,75	0,8	0,99	0,838125	0,026	0,088	0,038	0,152	0,063	0,013	0,178	0,050	0,240	0,190	0,813	0,750	0,800	0,990	0,813	0,750	0,800	0,990
	I like to be here.	0,5	0,6	0,9	0,775	0,69375	0,194	0,094	0,206	0,081	0,100	0,400	0,275	0,300	0,175	0,125	0,500	0,600	0,900	0,775	0,500	0,600	0,900	0,775
	No, I think this job is not for me.	0,5	0,25	0,2	0,025	0,24375	0,256	0,006	0,044	0,219	0,250	0,300	0,475	0,050	0,225	0,175	0,500	0,250	0,200	0,025	0,500	0,250	0,200	0,025
	No, I hate to repair.	0,25	0,1	0,007	0,025	0,0955	0,155	0,005	0,089	0,071	0,150	0,243	0,225	0,093	0,075	0,018	0,250	0,100	0,007	0,025	0,250	0,100	0,007	0,025
5	I love this domain.	0,75	0,85	0,8	0,93	0,8325	0,083	0,018	0,033	0,097	0,100	0,050	0,180	0,050	0,080	0,130	0,750	0,850	0,800	0,930	0,750	0,850	0,800	0,930

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2 - Average	Google - Average	Azure - Average	TAIGER EN - Average	Stanford 2 - Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	I want to know more about this domain.	0,5	0,6	0,1	0,25	0,3625	0,138	0,238	0,263	0,113	0,100	0,400	0,250	0,500	0,350	0,150	0,500	0,600	0,100	0,250	0,500	0,600	0,100	0,250
	I worked on this domain and I would like to continue it.	0,25	0,6	0,8	0,915	0,64125	0,391	0,041	0,159	0,274	0,350	0,550	0,665	0,200	0,315	0,115	0,250	0,600	0,800	0,915	0,250	0,600	0,800	0,915
	I don't know if I want to work here.	0,25	0,25	0,002	0,005	0,12675	0,123	0,123	0,125	0,122	0,000	0,248	0,245	0,248	0,245	0,003	0,250	0,250	0,002	0,005	0,250	0,250	0,002	0,005
	Yes. I like this domain very much. Because I find it very interesting and also, I think it is my dream job! I would enjoy quite much to work here!	0,5625	0,75	0,9	1	0,803125	0,241	0,053	0,097	0,197	0,188	0,338	0,438	0,150	0,250	0,100	0,563	0,750	0,900	1,000	0,563	0,750	0,900	1,000
6	No! Because it is not my dream job! It is not quite interesting! I will not enjoy this company!	0,4375	0,35	0,1	0,085	0,243125	0,194	0,107	0,143	0,158	0,088	0,338	0,353	0,250	0,265	0,015	0,438	0,350	0,100	0,085	0,438	0,350	0,100	0,085
	Yes! I wish to work here, because it is my dream job! I would like to be a part of this company because i think it is amazing and also, I am quite interesting!	0,75	0,85	0,8	0,98	0,845	0,095	0,005	0,045	0,135	0,100	0,050	0,230	0,050	0,130	0,180	0,750	0,850	0,800	0,980	0,750	0,850	0,800	0,980
	Yes! It will be a dream which will come true!	0,6875	0,75	0,8	0,92	0,789375	0,102	0,039	0,011	0,131	0,063	0,113	0,233	0,050	0,170	0,120	0,688	0,750	0,800	0,920	0,688	0,750	0,800	0,920

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	Because it's my passion for more than 10 years! I really want to work here!																							
	Yes! Because it is my job and nice, amazing! Yes, I want to work here! I think it is the perfect job for me! I want to be a part of!	0,8	0,75	0,8	0,98	0,8325	0,033	0,083	0,033	0,148	0,050	0,000	0,180	0,050	0,230	0,180	0,800	0,750	0,800	0,980	0,800	0,750	0,800	0,980
	I do not know! I enjoy this field and I wish to work in this domain, but I don't know where.	0,625	0,75	0,2	0,03	0,40125	0,224	0,349	0,201	0,371	0,125	0,425	0,595	0,550	0,720	0,170	0,625	0,750	0,200	0,030	0,625	0,750	0,200	0,030
7	Yes! A dream will come true! A perfect job! I want to work here! I wish to be a part of your team and I think I will enjoy! Because it is sound as an amazing thing!	0,75	0,8	0,9	0,965	0,85375	0,104	0,054	0,046	0,111	0,050	0,150	0,215	0,100	0,165	0,065	0,750	0,800	0,900	0,965	0,750	0,800	0,900	0,965
	Yes! It is my job! I want to work here! I wish to be a part of! It will be a pleasure.	0,65	0,7	0,2	0,935	0,62125	0,029	0,079	0,421	0,314	0,050	0,450	0,285	0,500	0,235	0,735	0,650	0,700	0,200	0,935	0,650	0,700	0,200	0,935
8	Yes, because it is my job. It will be nice and amazing!	0,9	0,85	0,95	0,935	0,90875	0,009	0,059	0,041	0,026	0,050	0,050	0,035	0,100	0,085	0,015	0,900	0,850	0,950	0,935	0,900	0,850	0,950	0,935

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	Yes, I want to work here! I think it is the perfect job for me! I wish this dream would come true and I think I will enjoy it!																							
	I do not know! I enjoy this field and I wish to work in this domain, but I don't know where. Also, I do not know if it is a perfect job or a wish! But I want to try!	0,5625	0,65	0,05	0,165	0,356875	0,206	0,293	0,307	0,192	0,088	0,513	0,398	0,600	0,485	0,115	0,563	0,650	0,050	0,165	0,563	0,650	0,050	0,165
	Yes, because I think it will be awesome! I want to work here, and I can say that I will enjoy this opportunity.	0,75	0,9	0,9	0,995	0,88625	0,136	0,014	0,014	0,109	0,150	0,150	0,245	0,000	0,095	0,095	0,750	0,900	0,900	0,995	0,750	0,900	0,900	0,995
	Yes, I love this domain! Because I think it will be a good job for me.	0,75	0,9	0,9	0,995	0,88625	0,136	0,014	0,014	0,109	0,150	0,150	0,245	0,000	0,095	0,095	0,750	0,900	0,900	0,995	0,750	0,900	0,900	0,995
9	Yes, I like this domain! I wish to work here, because it is my dream job! I would like to be a part of this company because I think it is	0,6875	0,8	0,85	0,96	0,824375	0,137	0,024	0,026	0,136	0,113	0,163	0,273	0,050	0,160	0,110	0,688	0,800	0,850	0,960	0,688	0,800	0,850	0,960

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	amazing and also, I am quite interesting! I really want!																							
	Yes, but I think I am not good and also, I think it is not my dream job! But, maybe I will want to work here, because it is an amazing company!	0,5	0,65	0,25	0,155	0,38875	0,111	0,261	0,139	0,234	0,150	0,250	0,345	0,400	0,495	0,095	0,500	0,650	0,250	0,155	0,500	0,650	0,250	0,155
	No! It`s hard to work here! I think it is not for me!	0,416666667	0,35	0,02	0,02	0,2016667	0,215	0,148	0,182	0,182	0,067	0,397	0,397	0,330	0,330	0,000	0,417	0,350	0,020	0,020	0,417	0,350	0,020	0,020
	Yes! It's my dream job! I wish, I will enjoy, it will be perfect! I really want!	0,75	0,8	0,87	0,95	0,8425	0,093	0,043	0,028	0,108	0,050	0,120	0,200	0,070	0,150	0,080	0,750	0,800	0,870	0,950	0,750	0,800	0,870	0,950
	Yes, I like this domain because I find it very challenging. I'd like to work here.	0,375	0,8	0,8	0,955	0,7325	0,358	0,068	0,068	0,223	0,425	0,425	0,580	0,000	0,155	0,155	0,375	0,800	0,800	0,955	0,375	0,800	0,800	0,955
10	Yes, I like this domain because I find it very interesting and I also study electronics at my University.	0,75	0,9	0,9	0,99	0,885	0,135	0,015	0,015	0,105	0,150	0,150	0,240	0,000	0,090	0,090	0,750	0,900	0,900	0,990	0,750	0,900	0,900	0,990
	No, I don't like this domain because I don't find it very interesting. I	0,375	0,15	0,05	0,015	0,1475	0,228	0,002	0,098	0,133	0,225	0,325	0,360	0,100	0,135	0,035	0,375	0,150	0,050	0,015	0,375	0,150	0,050	0,015

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	wouldn't want work here.																							
	I don't really like this domain because I don't like making troubleshooting. I wouldn't necessarily like to work here.	0,25	0,45	0,02	0,045	0,19125	0,059	0,259	0,171	0,146	0,200	0,230	0,205	0,430	0,405	0,025	0,250	0,450	0,020	0,045	0,250	0,450	0,020	0,045
	I don't like this domain because I don't feel like I'm very prepared for it. I wouldn't like to work here.	0,25	0,2	0,006	0,01	0,1165	0,134	0,084	0,111	0,107	0,050	0,244	0,240	0,194	0,190	0,004	0,250	0,200	0,006	0,010	0,250	0,200	0,006	0,010
11	I don't like this domain because I don't find it very challenging. I wouldn't like to work here.	0,25	0,3	0,004	0,025	0,14475	0,105	0,155	0,141	0,120	0,050	0,246	0,225	0,296	0,275	0,021	0,250	0,300	0,004	0,025	0,250	0,300	0,004	0,025
	I like this domain because I like talking to people. I want to work here.	0,375	0,6	0,22	0,895	0,5225	0,148	0,078	0,303	0,373	0,225	0,155	0,520	0,380	0,295	0,675	0,375	0,600	0,220	0,895	0,375	0,600	0,220	0,895
	I like this domain because I think it's very interesting to see how electronics products work. I want to work here.	0,625	0,75	0,19	0,93	0,62375	0,001	0,126	0,434	0,306	0,125	0,435	0,305	0,560	0,180	0,740	0,625	0,750	0,190	0,930	0,625	0,750	0,190	0,930
12	I love this domain because I find it	0,625	0,75	0,15	0,87	0,59875	0,026	0,151	0,449	0,271	0,125	0,475	0,245	0,600	0,120	0,720	0,625	0,750	0,150	0,870	0,625	0,750	0,150	0,870

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2-Azure	Stanford 2-TAIGER	Google-Azure	Google-TAIGER	Azure-TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	very interesting. I want to work here.																							
	I like this domain and I want to work here.	0,75	0,8	0,11	0,19	0,4625	0,288	0,338	0,353	0,273	0,050	0,640	0,560	0,690	0,610	0,080	0,750	0,800	0,110	0,190	0,750	0,800	0,110	0,190
	I don't like this domain.	0,25	0,4	0,02	0,015	0,17125	0,079	0,229	0,151	0,156	0,150	0,230	0,235	0,380	0,385	0,005	0,250	0,400	0,020	0,015	0,250	0,400	0,020	0,015
	I hate this domain.	0,25	0,15	0,04	0,045	0,12125	0,129	0,029	0,081	0,076	0,100	0,210	0,205	0,110	0,105	0,005	0,250	0,150	0,040	0,045	0,250	0,150	0,040	0,045
13	I like this domain because I think it's interesting to see how electronics work and to think about new products and ways to make life easier. I want to work here.	0,375	0,75	0,85	0,985	0,74	0,365	0,010	0,110	0,245	0,375	0,475	0,610	0,100	0,235	0,135	0,375	0,750	0,850	0,985	0,375	0,750	0,850	0,985
	I love this domain because I think it's interesting to think about new ways to make life easier. I want to work here.	0,625	0,75	0,85	0,97	0,79875	0,174	0,049	0,051	0,171	0,125	0,225	0,345	0,100	0,220	0,120	0,625	0,750	0,850	0,970	0,625	0,750	0,850	0,970
	I don't like this domain because I don't think it's interesting to sale products. I like more practical jobs. I don't want to work here.	0,333333333	0,4	0,01	0,02	0,190833	0,143	0,209	0,181	0,171	0,067	0,323	0,313	0,390	0,380	0,010	0,333	0,400	0,010	0,020	0,333	0,400	0,010	0,020
	I don't like this domain very much because I don't	0,375	0,45	0,03	0,165	0,255	0,120	0,195	0,225	0,090	0,075	0,345	0,210	0,420	0,285	0,135	0,375	0,450	0,030	0,165	0,375	0,450	0,030	0,165

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	find it very interesting, but I don't hate it. I would like to work here.																							
14	I don't like this domain because I find it very hard. I don't want to work here.	0,25	0,25	0,002	0,005	0,12675	0,123	0,123	0,125	0,122	0,000	0,248	0,245	0,248	0,245	0,003	0,250	0,250	0,002	0,005	0,250	0,250	0,002	0,005
	I don't find this domain very interesting, but I would like to work here.	0,25	0,4	0,09	0,14	0,22	0,030	0,180	0,130	0,080	0,150	0,160	0,110	0,310	0,260	0,050	0,250	0,400	0,090	0,140	0,250	0,400	0,090	0,140
	I like this domain, but I don't think I would be good at it because I'm very shy, I don't want to work here.	0,25	0,4	0,05	0,055	0,18875	0,061	0,211	0,139	0,134	0,150	0,200	0,195	0,350	0,345	0,005	0,250	0,400	0,050	0,055	0,250	0,400	0,050	0,055
	I don't like this domain because I don't know anything about it.	0,25	0,15	0,2	0,03	0,1575	0,093	0,008	0,043	0,128	0,100	0,050	0,220	0,050	0,120	0,170	0,250	0,150	0,200	0,030	0,250	0,150	0,200	0,030
15	I love this domain, this would be my dream job.	0,75	0,95	0,93	0,89	0,88	0,130	0,070	0,050	0,010	0,200	0,180	0,140	0,020	0,060	0,040	0,750	0,950	0,930	0,890	0,750	0,950	0,930	0,890
	I like this domain also.	0,5	0,55	0,89	0,945	0,72125	0,221	0,171	0,169	0,224	0,050	0,390	0,445	0,340	0,395	0,055	0,500	0,550	0,890	0,945	0,500	0,550	0,890	0,945
	I don't like this domain and I don't want to work here.	0,25	0,1	0,003	0,01	0,09075	0,159	0,009	0,088	0,081	0,150	0,247	0,240	0,097	0,090	0,007	0,250	0,100	0,003	0,010	0,250	0,100	0,003	0,010
	I hate this domain and I don't want to work here.	0,25	0,05	0,006	0,005	0,07775	0,172	0,028	0,072	0,073	0,200	0,244	0,245	0,044	0,045	0,001	0,250	0,050	0,006	0,005	0,250	0,050	0,006	0,005

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
16	I want to work here.	0,5	0,55	0,02	0,02	0,2725	0,228	0,278	0,253	0,253	0,050	0,480	0,480	0,530	0,530	0,000	0,500	0,550	0,020	0,020	0,500	0,550	0,020	0,020
	I don't want to work here.	0,25	0,15	0,01	0,005	0,10375	0,146	0,046	0,094	0,099	0,100	0,240	0,245	0,140	0,145	0,005	0,250	0,150	0,010	0,005	0,250	0,150	0,010	0,005
	I don't want this domain.	0,25	0,45	0,06	0,03	0,1975	0,053	0,253	0,138	0,168	0,200	0,190	0,220	0,390	0,420	0,030	0,250	0,450	0,060	0,030	0,250	0,450	0,060	0,030
	I love this domain.	0,75	0,85	0,85	0,94	0,8475	0,098	0,002	0,002	0,092	0,100	0,100	0,190	0,000	0,090	0,090	0,750	0,850	0,850	0,940	0,750	0,850	0,850	0,940
17	I think this is an interesting domain and I would like to learn more about it. I want to work here.	0,625	0,65	0,24	0,8	0,57875	0,046	0,071	0,339	0,221	0,025	0,385	0,175	0,410	0,150	0,560	0,625	0,650	0,240	0,800	0,625	0,650	0,240	0,800
	I've already learned a lot about this domain and I would like to continue studying it. I want to work here.	0,375	0,7	0,1	0,895	0,5175	0,143	0,183	0,418	0,378	0,325	0,275	0,520	0,600	0,195	0,795	0,375	0,700	0,100	0,895	0,375	0,700	0,100	0,895
	I don't find this domain very interesting and I don't want to work here.	0,25	0,25	0,02	0,015	0,13375	0,116	0,116	0,114	0,119	0,000	0,230	0,235	0,230	0,235	0,005	0,250	0,250	0,020	0,015	0,250	0,250	0,020	0,015
	I think this domain is very boring I don't want to work here.	0,25	0,05	0,005	0,005	0,0775	0,173	0,028	0,073	0,073	0,200	0,245	0,245	0,045	0,045	0,000	0,250	0,050	0,005	0,005	0,250	0,050	0,005	0,005
18	Yes, I like.	0,75	0,65	0,97	0,965	0,83375	0,084	0,184	0,136	0,131	0,100	0,220	0,215	0,320	0,315	0,005	0,750	0,650	0,970	0,965	0,750	0,650	0,970	0,965
	No, I do not want to work here.	0,5	0,1	0,034	0,015	0,16225	0,338	0,062	0,128	0,147	0,400	0,466	0,485	0,066	0,085	0,019	0,500	0,100	0,034	0,015	0,500	0,100	0,034	0,015
	No, I hate this domain.	0,5	0,1	0,085	0,045	0,1825	0,318	0,083	0,098	0,138	0,400	0,415	0,455	0,015	0,055	0,040	0,500	0,100	0,085	0,045	0,500	0,100	0,085	0,045

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	I find it interesting.	0,75	0,8	0,92	0,905	0,84375	0,094	0,044	0,076	0,061	0,050	0,170	0,155	0,120	0,105	0,015	0,750	0,800	0,920	0,905	0,750	0,800	0,920	0,905
	Yes, I like this domain very much. I think it is a very interesting and challenging domain. I would like very much to work here.	0,416666667	0,65	0,89	0,98	0,734167	0,318	0,084	0,156	0,246	0,233	0,473	0,563	0,240	0,330	0,090	0,417	0,650	0,890	0,980	0,417	0,650	0,890	0,980
19	I don't like this domain. I wouldn't like to work here.	0,25	0,1	0,005	0,015	0,0925	0,158	0,008	0,088	0,078	0,150	0,245	0,235	0,095	0,085	0,010	0,250	0,100	0,005	0,015	0,250	0,100	0,005	0,015
	I hate this domain. I find it very boring and uninteresting. I don't want to work here.	0,25	0,1	0,0025	0,005	0,089375	0,161	0,011	0,087	0,084	0,150	0,248	0,245	0,098	0,095	0,003	0,250	0,100	0,003	0,005	0,250	0,100	0,003	0,005
	I love this domain because it is very interesting. I want to work here.	0,625	0,8	0,18	0,83	0,60875	0,016	0,191	0,429	0,221	0,175	0,445	0,205	0,620	0,030	0,650	0,625	0,800	0,180	0,830	0,625	0,800	0,180	0,830
20	Yes, I like this domain very much. I think it is a very interesting and challenging domain. I would like very much to work here.	0,416666667	0,7	0,89	0,975	0,745417	0,329	0,045	0,145	0,230	0,283	0,473	0,558	0,190	0,275	0,085	0,417	0,700	0,890	0,975	0,417	0,700	0,890	0,975
	I don't like this domain. I wouldn't like to work here.	0,25	0,25	0,005	0,02	0,13125	0,119	0,119	0,126	0,111	0,000	0,245	0,230	0,245	0,230	0,015	0,250	0,250	0,005	0,020	0,250	0,250	0,005	0,020
	I hate this domain. I find it very unattractive. I	0,25	0,1	0,003	0	0,08825	0,162	0,012	0,085	0,088	0,150	0,247	0,250	0,097	0,100	0,003	0,250	0,100	0,003	0,000	0,250	0,100	0,003	0,000

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2-Azure	Stanford 2-TAIGER	Google-Azure	Google-TAIGER	Azure-TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]		Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	don't want to work here.																								
	I love this domain and I want to work here.	0,75	0,7	0,11	0,945	0,62625	0,124	0,074	0,516	0,319	0,050	0,640	0,195	0,590	0,245	0,835	0,750	0,700	0,110	0,945		0,750	0,700	0,110	0,945
	No, I don't like this domain. I don't find it interesting. I don't want to work here.	0,333333333	0,2	0,01	0,01	0,138333	0,195	0,062	0,128	0,128	0,133	0,323	0,323	0,190	0,190	0,000	0,333	0,200	0,010	0,010		0,333	0,200	0,010	0,010
21	Yes, I like Electronic Production domain because you can learn a lot from it, I would like very much to work here.	0,25	0,85	0,86	0,955	0,72875	0,479	0,121	0,131	0,226	0,600	0,610	0,705	0,010	0,105	0,095	0,250	0,850	0,860	0,955		0,250	0,850	0,860	0,955
	No, I don't like this domain because I don't find it interesting, I don't want to work here.	0,5	0,1	0,012	0,025	0,15925	0,341	0,059	0,147	0,134	0,400	0,488	0,475	0,088	0,075	0,013	0,500	0,100	0,012	0,025		0,500	0,100	0,012	0,025
	Yes, I like this domain. I think it is very suitable for me and I would like to work here.	0,5	0,7	0,86	0,985	0,76125	0,261	0,061	0,099	0,224	0,200	0,360	0,485	0,160	0,285	0,125	0,500	0,700	0,860	0,985		0,500	0,700	0,860	0,985
22	I love this domain.	0,75	0,85	0,85	0,86	0,8275	0,078	0,023	0,023	0,033	0,100	0,100	0,110	0,000	0,010	0,010	0,750	0,850	0,850	0,860		0,750	0,850	0,850	0,860
	I like this domain.	0,5	0,6	0,85	0,825	0,69375	0,194	0,094	0,156	0,131	0,100	0,350	0,325	0,250	0,225	0,025	0,500	0,600	0,850	0,825		0,500	0,600	0,850	0,825
	I don't like this domain.	0,25	0,4	0,02	0,015	0,17125	0,079	0,229	0,151	0,156	0,150	0,230	0,235	0,380	0,385	0,005	0,250	0,400	0,020	0,015		0,250	0,400	0,020	0,015
	I hate this domain.	0,25	0,15	0,04	0,015	0,11375	0,136	0,036	0,074	0,099	0,100	0,210	0,235	0,110	0,135	0,025	0,250	0,150	0,040	0,015		0,250	0,150	0,040	0,015

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2-Azure	Stanford 2-TAIGER	Google-Azure	Google-TAIGER	Azure-TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]		Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	Yes, I love this domain, because I think it is my dream job it is amazing, and I can't wait to work here.	0,75	0,95	0,97	0,995	0,91625	0,166	0,034	0,054	0,079	0,200	0,220	0,245	0,020	0,045	0,025	0,750	0,950	0,970	0,995		0,750	0,950	0,970	0,995
23	I love the Electronics domain because it is amazing and very interesting, I would love to work here.	1	0,95	0,87	0,985	0,95125	0,049	0,001	0,081	0,034	0,050	0,130	0,015	0,080	0,035	0,115	1,00	0,950	0,870	0,985		1,00	0,950	0,870	0,985
	I like this domain very much because I love to talk with people and i want to work here very much.	0,75	0,85	0,24	0,97	0,7025	0,048	0,148	0,463	0,268	0,100	0,510	0,220	0,610	0,120	0,730	0,750	0,850	0,240	0,970		0,750	0,850	0,240	0,970
	I don't like this domain and i don't want to work here.	0,25	0,1	0,003	0,01	0,09075	0,159	0,009	0,088	0,081	0,150	0,247	0,240	0,097	0,090	0,007	0,250	0,100	0,003	0,010		0,250	0,100	0,003	0,010
	No, I don't like, I don't want to work here.	0,5	0,1	0,009	0,015	0,156	0,344	0,056	0,147	0,141	0,400	0,491	0,485	0,091	0,085	0,006	0,500	0,100	0,009	0,015		0,500	0,100	0,009	0,015
24	I love this domain, it's amazing, I want to work here because it is very interesting.	1	0,95	0,81	0,98	0,935	0,065	0,015	0,125	0,045	0,050	0,190	0,020	0,140	0,030	0,170	1,00	0,950	0,810	0,980		1,00	0,950	0,810	0,980
	I hate Electronics Sales, I don't want to work here.	0,25	0,1	0,0036	0,01	0,0909	0,159	0,009	0,087	0,081	0,150	0,246	0,240	0,096	0,090	0,006	0,250	0,100	0,004	0,010		0,250	0,100	0,004	0,010

Nr.	Text	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Average Score	Stanford 2-Average	Google-Average	Azure-Average	TAIGER EN-Average	Stanford 2-Google	Stanford 2 - Azure	Stanford 2 - TAIGER	Google - Azure	Google - TAIGER	Azure - TAIGER	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]	Score Stanford 2	Score Google	Score Azure	Score EN TAIGER [0,1]
	I don't like this domain, i don't want to work here.	0,25	0,1	0,003	0,01	0,09075	0,159	0,009	0,088	0,081	0,150	0,247	0,240	0,097	0,090	0,007	0,250	0,100	0,003	0,010	0,250	0,100	0,003	0,010
							23,000	45,000	9,000	10,000	22,000	3,000	2,000	20,000	3,000	44,000	20,000	33,000	23,000	11,000	11,000	32,000	20,000	24,000
								9 Cases that can not be calculated				2 Cases that can not be calculated						9 Cases that can not be calculated			9 Cases that can not be calculated			

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	The metric selected for this method is represented by - The absolute deviation from the average value (the average value of the sentiment analysis scores obtained from the sentiment analysis engines which we tested).	google SA engine performed best, considering the resulting score was closest to the average score.
	The metric selected is represented by - The minimum distance between the results of the evaluations with the 4 SA engimes (sentiment analysis scores).	Google and Stanford engines performed best.
	Elimination of the extreme values (minimum and maximum value) and determination on each line of the remaining values of the upper and lower intermediate values.	Google offered the best results scores considering the intermediate scores calculated.

ANNEX B – RESULTS OF THE SENTIMENT ANALYSIS INSTRUMENT BASED ON A CLASSIFIER TRAINED TEXT

Score EN TAIGER	Score EN TAIGER [-1,1]	Score EN TAIGER [0,1]	Score RO TAIGER [-1,1]	Score RO TAIGER [0,1]	Score RO Google [-1,1]	Score RO Google [0,1]	Score EN Google [-1,1]	Score EN Google [0,1]
P 0.96	0.96	0,98	1	1	0,6	0,8	0,6	0,8
P 0.95	0.95	0,975	1	1	0,7	0,85	0,3	0,65
N 0.67	-0.67	0,165	-1	0	-0,5	0,25	-0,5	0,25
N 0.91	-0.91	0,045	-0.57	0,215	0	0,5	0,3	0,65
P 0.81	0.81	0,905	0.8	0,9	0,3	0,65	0,4	0,7
P 0.97	0.97	0,985	0.85	0,925	0,3	0,65	0,3	0,65
P 0.99	0.99	0,995	0.96	0,98	0,4	0,7	0,5	0,75
P 0.99	0.99	0,995	0.99	0,995	0,3	0,65	0,6	0,8
P 0.99	0.99	0,995	0.96	0,98	0,5	0,75	0,6	0,8
P 0.97	0.97	0,985	-0.59	0,205	-0,3	0,35	-0,7	0,15
P 0.99	0.99	0,995	0.7	0,85	0,4	0,7	0,5	0,75
P 0.82	0.82	0,91	-0.6	0,2		0,5		0,5
P 0.98	0.98	0,99	0.59	0,795	-0,5	0,25	-0,5	0,25
P 0.55	0.55	0,775	0.73	0,865	0,5	0,75	0,5	0,75
N 0.95	-0.95	0,025	-0.91	0,045	0,4	0,7	0,2	0,6
N 0.95	-0.95	0,025	-0.93	0,035	-0,3	0,35	-0,5	0,25
P 0.86	0.86	0,93	0.67	0,835	-0,8	0,1	-0,8	0,1
N 0.5	-0.5	0,25	-0.92	0,04	0,8	0,9	0,7	0,85
P 0.83	0.83	0,915	0.99	0,995	0,2	0,6	0,2	0,6
N 0.99	-0.99	0,005	-0.77	0,115	0,2	0,6	0,2	0,6
P 1	1	1	1	1	-0,5	0,25	-0,5	0,25

Score EN TAIGER [0,1]	Score RO TAIGER [0,1]
0,98	1
0,975	1
0,165	0
0,045	0,215
0,905	0,9
0,985	0,925
0,995	0,98
0,995	0,995
0,995	0,98
0,985	0,205
0,995	0,85
0,91	0,2
0,99	0,795
0,775	0,865
0,025	0,045
0,025	0,035
0,93	0,835
0,25	0,04
0,915	0,995
0,005	0,115
1	1

	EN	RO
EN	1	
RO	0,447577	1

Score RO Google [0,1]	Score EN Google [0,1]
0,8	0,8
0,85	0,65
0,25	0,25
0,5	0,65
0,65	0,7
0,65	0,65
0,7	0,75
0,65	0,8
0,75	0,8
0,35	0,15
0,7	0,75
0,5	0,5
0,25	0,25
0,75	0,75
0,7	0,6
0,35	0,25
0,1	0,1
0,9	0,85
0,6	0,6
0,6	0,6
0,25	0,25

	RO	EN
RO	1	
EN	0,939589	1

N 0.83	-0.83	0,085	-0.66	0,17	0,5	0,75	0,5	0,75		0,085	0,17		0,75	0,75
P 0.96	0.96	0,98	0.76	0,88	-0,4	0,3	-0,3	0,35		0,98	0,88		0,3	0,35
P 0.84	0.84	0,92	0.95	0,975	0,7	0,85	0,7	0,85		0,92	0,975		0,85	0,85
P 0.96	0.96	0,98	0.99	0,995	0,4	0,7	0,5	0,75		0,98	0,995		0,7	0,75
N 0.94	-0.94	0,03	-0.87	0,065	0,6	0,8	0,5	0,75		0,03	0,065		0,8	0,75
P 0.93	0.93	0,965	1	1	-0,1	0,45	0	0,5		0,965	1		0,45	0,5
P 0.87	0.87	0,935	0.96	0,98	0,6	0,8	0,6	0,8		0,935	0,98		0,8	0,8
P 0.87	0.87	0,935	0.95	0,975	0,2	0,6	0,4	0,7		0,935	0,975		0,6	0,7
N 0.67	-0.67	0,165	-0.79	0,105	0,6	0,8	0,7	0,85		0,165	0,105		0,8	0,85
P 0.99	0.99	0,995	0.96	0,98	0,2	0,6	0,3	0,65		0,995	0,98		0,6	0,65
P 0.99	0.99	0,995	0.93	0,965	0,6	0,8	0,8	0,9		0,995	0,965		0,8	0,9
P 0.92	0.92	0,96	0.57	0,785	0,8	0,9	0,8	0,9		0,96	0,785		0,9	0,9
N 0.69	-0.69	0,155	-0.93	0,035	0,6	0,8	0,6	0,8		0,155	0,035		0,8	0,8
N 0.96	-0.96	0,02	0.98	0,99	0,2	0,6	0,3	0,65		0,02	0,99		0,6	0,65
P 0.90	0.90	0,95	0.7	0,85	-0,2	0,4	-0,3	0,35		0,95	0,85		0,4	0,35
P 0.91	0.91	0,955	0.92	0,96	0,6	0,8	0,6	0,8		0,955	0,96		0,8	0,8
P 0.98	0.98	0,99	-0.95	0,025	0,8	0,9	0,6	0,8		0,99	0,025		0,9	0,8
N 0.97	-0.97	0,015	-0.98	0,01	0,8	0,9	0,8	0,9		0,015	0,01		0,9	0,9
N 0.91	-0.91	0,045	-0.84	0,08	-0,5	0,25	-0,7	0,15		0,045	0,08		0,25	0,15
N 0.98	-0.98	0,01	-0.74	0,13	-0,4	0,3	-0,1	0,45		0,01	0,13		0,3	0,45
N 0.95	-0.95	0,025	0.72	0,86	-0,1	0,45	-0,6	0,2		0,025	0,86		0,45	0,2
P 0.79	0.79	0,895	0.81	0,905	-0,1	0,45	-0,4	0,3		0,895	0,905		0,45	0,3
P 0.86	0.86	0,93	0.94	0,97	0,2	0,6	0,2	0,6		0,93	0,97		0,6	0,6
P 0.74	0.74	0,87	0.64	0,82	0,5	0,75	0,5	0,75		0,87	0,82		0,75	0,75
N 0.62	-0.62	0,19	-0.78	0,11	0,5	0,75	0,5	0,75		0,19	0,11		0,75	0,75
N 0.97	-0.97	0,015	-0.57	0,215	0,7	0,85	0,6	0,8		0,015	0,215		0,85	0,8
N 0.91	-0.91	0,045	0.72	0,86	0	0,5	-0,2	0,4		0,045	0,86		0,5	0,4

P 0.97	0.97	0,985	0.52	0,76	-0,7	0,15	-0,7	0,15		0,985	0,76			0,15	0,15
P 0.94	0.94	0,97	-0.63	0,185	0,5	0,75	0,5	0,75		0,97	0,185			0,75	0,75
N 0.96	-0.96	0,02	-0.65	0,175	0,5	0,75	0,5	0,75		0,02	0,175			0,75	0,75
N 0.67	-0.67	0,165	-0.64	0,18	-0,1	0,45	-0,2	0,4		0,165	0,18			0,45	0,4
N 0.99	-0.99	0,005	-0.83	0,085	0	0,5	-0,1	0,45		0,005	0,085			0,5	0,45
N 0.72	-0.72	0,14	-0.95	0,025	-0,6	0,2	-0,5	0,25		0,14	0,025			0,2	0,25
N 0.89	-0.89	0,055	-0.8	0,1	0,6	0,8	-0,2	0,4		0,055	0,1			0,8	0,4
N 0.94	-0.94	0,03	0.73	0,865	0,1	0,55	-0,2	0,4		0,03	0,865			0,55	0,4
P 0.78	0.78	0,89	0.65	0,825	-0,3	0,35	-0,7	0,15		0,89	0,825			0,35	0,15
P 0.89	0.89	0,945	-0.95	0,025	0,9	0,95	0,9	0,95		0,945	0,025			0,95	0,95
N 0.98	-0.98	0,01	-0.96	0,02	0,2	0,6	0,1	0,55		0,01	0,02			0,6	0,55
N 0.99	-0.99	0,005	0.7	0,85	-0,8	0,1	-0,8	0,1		0,005	0,85			0,1	0,1
N 0.96	-0.96	0,02	-0.78	0,11	-0,8	0,1	-0,9	0,05		0,02	0,11			0,1	0,05
N 0.99	-0.99	0,005	-0.99	0,005	0,1	0,55	0,1	0,55		0,005	0,005			0,55	0,55
N 0.94	-0.94	0,03	0.96	0,98	-0,4	0,3	-0,7	0,15		0,03	0,98			0,3	0,15
P 0.88	0.88	0,94	0.63	0,815	0	0,5	-0,1	0,45		0,94	0,815			0,5	0,45
P 0.60	0.60	0,8	0.64	0,82	0,8	0,9	0,7	0,85		0,8	0,82			0,9	0,85
P 0.79	0.79	0,895	0.81	0,905	0,3	0,65	0,3	0,65		0,895	0,905			0,65	0,65
N 0.97	-0.97	0,015	-0.95	0,025	0,4	0,7	0,4	0,7		0,015	0,025			0,7	0,7
N 0.99	-0.99	0,005	0.87	0,935	0	0,5	-0,5	0,25		0,005	0,935			0,5	0,25
P 0.93	0.93	0,965	-0.74	0,13	-0,9	0,05	-0,9	0,05		0,965	0,13			0,05	0,05
N 0.97	-0.97	0,015	-0.77	0,115	0,3	0,65	0,3	0,65		0,015	0,115			0,65	0,65
N 0.91	-0.91	0,045	-0.55	0,225	-0,7	0,15	-0,8	0,1		0,045	0,225			0,15	0,1
P 0.81	0.81	0,905	0.99	0,995	-0,8	0,1	-0,8	0,1		0,905	0,995			0,1	0,1
P 0.96	0.96	0,98	-0.97	0,015	0,1	0,55	0,6	0,8		0,98	0,015			0,55	0,8
N 0.97	-0.97	0,015	-0.92	0,04	0,7	0,85	0,4	0,7		0,015	0,04			0,85	0,7
N 0.99	-0.99	0,005	0.99	0,995	-0,2	0,4	-0,5	0,25		0,005	0,995			0,4	0,25

P 0.66	0.66	0,83	0.99	0,995	-0,7	0,15	-0,8	0,1	0,83	0,995		0,15	0,1
P 0.95	0.95	0,975	-0.74	0,13	0,4	0,7	0,4	0,7	0,975	0,13		0,7	0,7
N 0.96	-0.96	0,02	-0.98	0,01	0,7	0,85	0,4	0,7	0,02	0,01		0,85	0,7
N 1	-1	0	-0.83	0,085	-0,2	0,4	-0,5	0,25	0	0,085		0,4	0,25
P 0.89	0.89	0,945	-0.8	0,1	-0,7	0,15	-0,8	0,1	0,945	0,1		0,15	0,1
N 0.98	-0.98	0,01	0.7	0,85	0,9	0,95	0,9	0,95	0,01	0,85		0,95	0,95
P 0.91	0.91	0,955	-0.75	0,125	-0,3	0,35	-0,6	0,2	0,955	0,125		0,35	0,2
N 0.95	-0.95	0,025	0.93	0,965	0,9	0,95	0,7	0,85	0,025	0,965		0,95	0,85
P 0.97	0.97	0,985	0.85	0,925	-0,5	0,25	-0,8	0,1	0,985	0,925		0,25	0,1
P 0.72	0.72	0,86	0.72	0,86	0,4	0,7	0,4	0,7	0,86	0,86		0,7	0,7
P 0.65	0.65	0,825	-0.94	0,03	0,8	0,9	0,7	0,85	0,825	0,03		0,9	0,85
N 0.97	-0.97	0,015	-0.55	0,225	0,2	0,6	0,2	0,6	0,015	0,225		0,6	0,6
N 0.97	-0.97	0,015	0.98	0,99	0	0,5	-0,2	0,4	0,015	0,99		0,5	0,4
P 0.99	0.99	0,995	0.98	0,99	-0,7	0,15	-0,7	0,15	0,995	0,99		0,15	0,15
P 0.97	0.97	0,985	0.99	0,995	0,3	0,65	0,9	0,95	0,985	0,995		0,65	0,95
P 0.94	0.94	0,97	-0.99	0,005	0,9	0,95	0,9	0,95	0,97	0,005		0,95	0,95
N 0.98	-0.98	0,01	-0.77	0,115	0,7	0,85	0,7	0,85	0,01	0,115		0,85	0,85
N 0.97	-0.97	0,015	1	1	-0,8	0,1	-0,8	0,1	0,015	1		0,1	0,1
P 0.96	0.96	0,98	-0.99	0,005	-0,7	0,15	-0,8	0,1	0,987	0,005		0,15	0,1
N 0.98	-0.98	0,01	-0.95	0,025	0,7	0,85	0,9	0,95	0,01	0,025		0,85	0,95
N 0.98	-0.98	0,01	-0.95	0,025	-0,7	0,15	-0,8	0,1	0,01	0,025		0,15	0,1
					-0,8	0,1	-0,8	0,1				0,1	0,1

ANNEX C – HANDWRITTING RESULTS OF THE INTERVIEW FOR UC1

The interview for qualitatively evaluating UC1 was held over 60 minutes and the general script with questions and materials was composed of 7 pages. Following the second page (screenshot) a hands-on session was done. The results are further detailed in section 3.3.1 of this document.

Prueba herramienta SoMeDi
Duración 15-20m: tareas en la transparencia

- Seleccionar solo Tweets ——→ OK, directamente

- Seleccionar rango de fechas —→ OK, se cuelga, no queda claro que un filtro esté activo

- Seleccionar un tweet de respuesta de usuario con foto
  ↳→ No encuentra inmediata/ el icono

- Abrir tweet original desde un tweet seleccionado
  ↳→ "Poco útil, para qué?"

- Seleccionar comentarios de usuarios en TripAdvisor
  ↳——→ OK

- Desactivar filtros y volver a ver todos los contenidos
  ↳→ problemas para saber qué filtros estaban activos

Valoración general herramienta SoMeDi
Después de prueba! (10-15m)

- **Utilidad capacidades actuales**
  - Sentiment análisis (1-5) más explicaciones 4

    Útil cuando ++++ datos
    Útil con el tiempo   No siempre funciona bien

  - Análisis de imágenes (1-5) más explicaciones 3

    Bien algunas descripciones, mal otras
    Le falta hacer algo específico con las imágenes
    No se hace en TA? ——→ No

Valoración análisis de imágenes

Enseñar ejemplos 'buenos' de lo que se consigue (10-15m)

- ¿Cómo se recibe capacidad actual? (1-5) *3*

  Útil en idea, pero mal especificada
  Faltaría caso de uso! → + entrecomillado

- Utilidad capacidades post Y3 (1-5):
  - Reconocimiento Platos *4*
  - Reconocimiento texto *5* *factores!*
  - Detección personas (emociones, número) *3*
  - Juntar con emociones (valoración platos..) *5*
  - Juntar con análisis horas, etc. *2*

- ¿Para qué más se podría usar en vuestro trabajo?

  De momento → no se mira mucho (no sistemático)
  En el futuro podría estar bien con aplicación específica.
  Seguro que más en TA → más 600+ fotos en
  Santa Ana solo!

Preguntas Diseño

5-10 m

- Usabilidad
  - Se entiende la aplicación?

    Sí, bien
  - Problemas que se ven *Scroll lateral. Barra busquedas · Barra menús*

Preguntas Salida
Final (2-5m)

- Follow-up: podríamos pasar algunas características a producto
  - Disponibilidad/ Interés 6 sobre 10
    (No necesitan funcionalidad extra)
  - ¿Se pagaría en LATERAL por una herramienta así? ¿Cuánto para un uso como el actual?
    No se paga actualmente. En el futuro si se hace + específica puede ser interesante
  - ¿Sería interesante como mejora sobre el producto ya ofrecido (HIPPOS)? ¿Sería mejor como producto aparte?
    Sobre HIPPOS +++ ⟶ No sabría decir cuanto €€€
  - Otras sesiones diseño/ ideas?
    Integración Instagram ⟶ stories, encuestas!!
    TripAdvisor ⟶ fotos a tope
    El tenedor ⟶ Aunque no trabajan por las reservas ⟶ +++ reviews