

**Capstone Project 1**

CMU-SE 450

**Product Backlog**

Version 1.1

Date: 28 April 2023

**LinguaSnap for Travelers**

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**PROJECT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | LiS | | |
| **Project title** | LinguaSnap for Travelers | | |
| **Start date** | 25 – February – 2023 | **End Date** | 31 – May – 2023 |
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REVISION HISTORY

| **Version** | **Date** | **Comments** | **Author** | **Approval** |
| --- | --- | --- | --- | --- |
| 1.0 | 10 March 2023 | Initial Release | C1SE.05 Team | x |
| 1.1 | 28 April 2023 | Update Project plan | C1SE.05 Team |  |

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# Introduction

## 1.1.Purpose

* The purpose of the LinguaSnap app is to facilitate communication and understanding between speakers of different languages. It allows users to enter text or speech in one language and get an accurate translation in another, helping to overcome language barriers and enabling communication in diverse linguistic contexts.
* Can be used in a variety of situations, such as when traveling abroad, communicating with people who speak another language, translating written documents, conducting business with international partners , study or research in a foreign language, ....

## 1.2.Scope

* The scope of the LinguaSnap application can support a specific group of languages for translation, which can include common languages, less common languages or specialized languages depending on the target audience and use case. expected use.
* The translation application can provide different translation modes, such as text translation, speech translation or image translation.
* Text translation may involve entering text for translation, while voice translation may involve using speech recognition to translate spoken language.
* Image translation can involve translating text from images, such as signs or menus.

# 2. Product Backlog

## 2.1.1.Product Backlog Specification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a** | **I want to** | **So That** | **Priority** |
| PB01 | Login | Customer | Access to the website by my account. | I can use the system with my role | M |
| PB02 | Sign out | Customer | Logout of the website. | I can stop using the website. | L |
| PB03 | Sign up | Customer | Register a new account | I can access the system | L |
| PB04 | Forget a password | Customer | forget a password for my account. | I can find my password whenever I want. | H |
| PB05 | Change a password | Customer | Change password for my account. | I can change my password whenever I want. | L |
| PB06 | Update user information | Customer | Update information for my account | I can update information for my account | L |
| PB07 | Translate text | Customer | Enter text to translate. | I can input text to translate into another language. | M |
| PB08 | Show the suggested text | Customer | Show the suggested when user enter wrong word | I can see and choose the suggested word when i enter wrong word | M |
| PB09 | Select languages | Customer | Choose from one language to another language for translation. | I can choose from one language to another language for translation. | H |
| PB10 | Search image result | Customer | Result of translated content. | I can get the desired language. | M |
| PB11 | Search text results | Customer | Find translated results. | I can find translated results | M |
| PB12 | Image to text | Customer | Get text from image. | I can get text from images. | H |
| PB13 | Search image | Customer | Translation from pictures. | I can translate language from pictures. | H |
| PB14 | History list | Customer | Save data for each translation | I can see and use the recent translations that I did | H |
| PB15 | Bookmark list | Customer | Search history marked as favorite. | I can see bookmarked translations | M |
| PB16 | Take image from camera | Customer | Translation pictures from camera. | I can take an image from my phone camera for the app to use | M |
| PB17 | Take image from gallery | Customer | Translation pictures from gallery. | I can import an image from my phone gallery for the app to use | H |
| PB18 | Crop image | Customer | Crop the image to translate. | I can crop the image for better text recognition. | H |

## 2.1.2.Priority and Estimate time Sprint Backlog

|  |  |
| --- | --- |
| **Level** | **Priority** |
| 1 | Low |
| 2 | Medium |
| 3 | High |

# 3.Constraints

|  |  |
| --- | --- |
| **Constraint** | **Condition** |
| Time | Project completion time limit in 12 weeks so time to complete project be restricted |
| Project | 4 people working together to finish the project |
| The integrated system | Must be connected to Internet network to operate |
| Requirements | According to Product Owner’s Requirements |

# 4.Stakeholders and User Description Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Role** |
| Product Owner | The Person who give the Requirement | Provide information to develop the system. Make the decision to accept and implement the project, do the unit test |
| Scrum Master | This is the stakeholder who leading, manage the system development Team | Controlling, managing, monitoring, make sure the project complete on time, within budget, according to plan and according to requirements |
| Team Developer | This is a stakeholder that programs the software | Implement the project |