Capstone Project 1

CMU-SE 450

Product Backlog

Version 1.1

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LinguaSnap for Travelers

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INTERNATIONAL SCHOOL OF DUY TAN UNIVERSITY

PROJECT INFORMATION

Project acronym	LiS
Project title	LinguaSnap for Travelers
Start date	25 – February – 2023	**End Date**	31 – May – 2023
Lead institution	International School, Duy Tan University
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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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1. 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