

MALYSIAN SIGN LANGUAGE MOBILE APP

INVENTOR : BATRISYIA BINTI RIZAL
CO-INVENTORS : DR. TAHA HUSSEIN ALAALDEEN RASSEM

FACULTY : FACULTY OF COMPUTING
UNIVERSITY : UNIVERISTI MALAYSIA PAHANG
EMAIL : batrisyiahazel@gmail.com, tahahussein@ump.edu.my



www.ump.edu.my

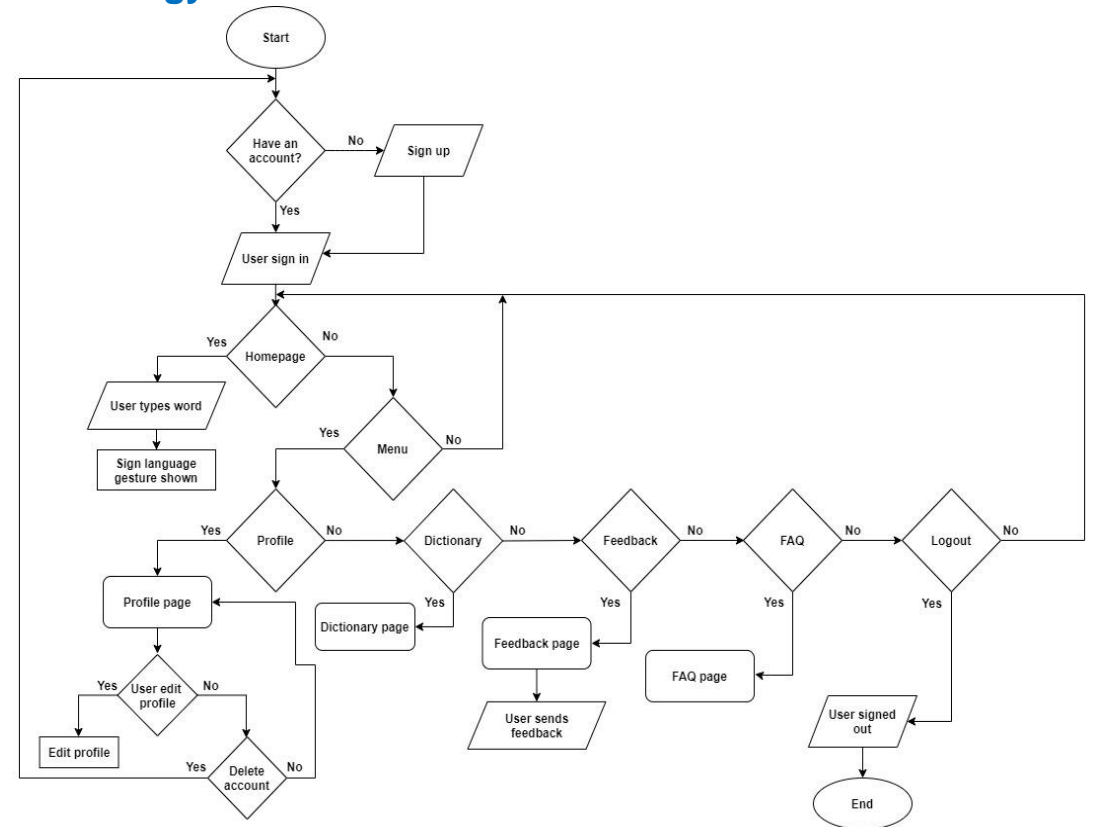
Product Background

- Mute and the deaf people cannot communicate with normal people easily.
- Sign language is a language that normally uses body movement to transport meaning by mute and deaf people.
- The body language includes the movement, orientation and shapes of hands, arms, body and facial expressions to express meaning.
- Sign language is difficult to understand and use.
- This application will translate the word that user has typed into Malaysian Sign Language gesture.
- The innovation in the project is to give a solution to easily communicate with mute and deaf people effectively.

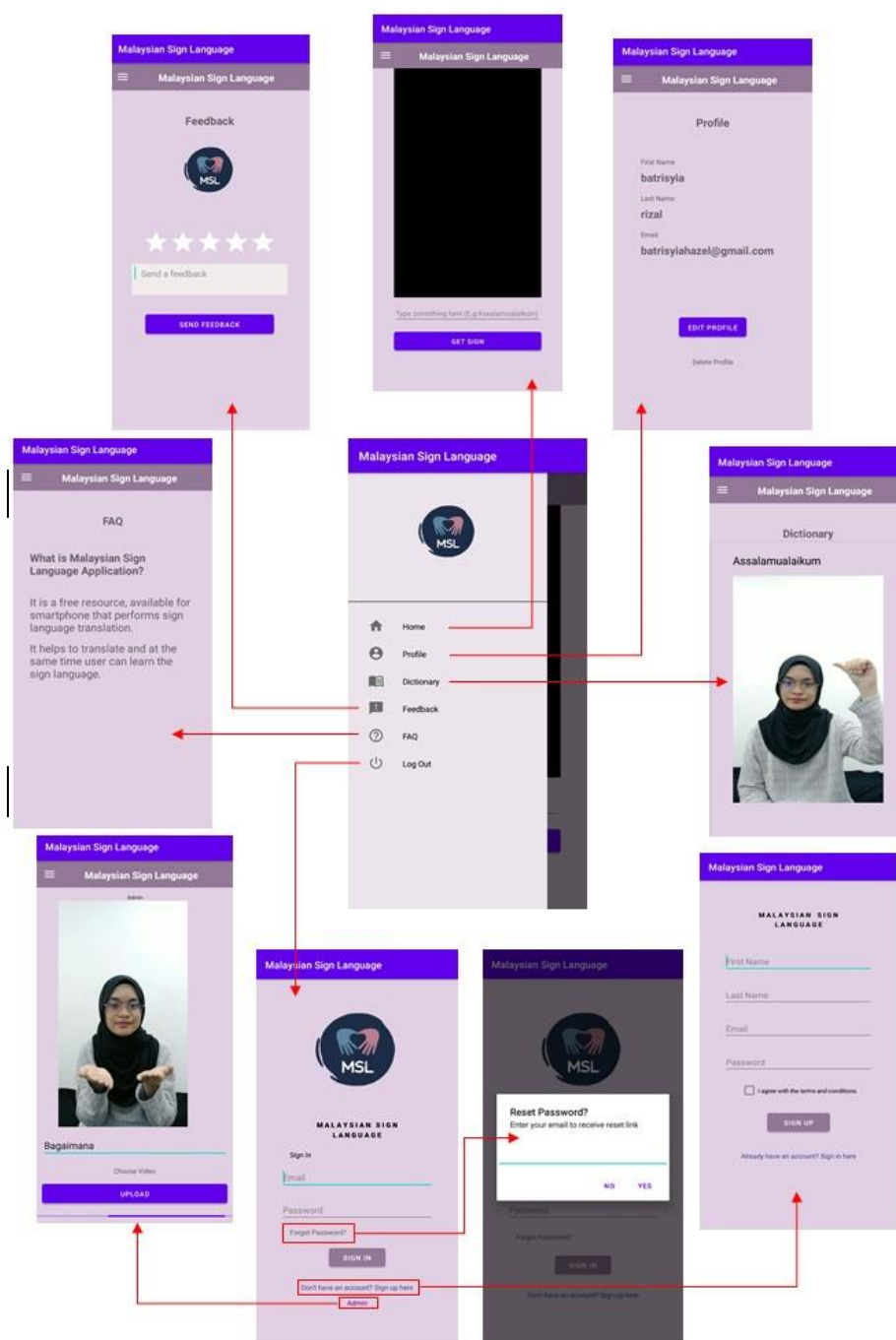
Problem Statement

- Malaysia is lack of sign language interpreters.
- Malaysian people are less exposed to sign language.
- Mute and the deaf people are having difficulty to communicate with other people who do not know any sign language whenever they try to approach or asking help from them.

Methodology



Product Image and Product Results



Novelty & Inventiveness

- Malaysian sign language gesture for words translation.
- Type the word in Malay.
- Anyone can use the application.
- Easy and simple to use.

Marketability

- Developed for mute and deaf people that needs help in communication in daily life.
- Malaysian sign language used for Malaysian.
- **Free Version (Limited MSL), Premium Version RM9.99**

Commercialization

- Easy to use (**Just type a word**).
- First Malaysian Sign Language application that translate words directly (**no similar application**).
- The application is a **free download**.
- The future plan is **continuing** this project to provide more videos of Malaysian sign language gesture and translates more

Benefits

- **Helps deaf and mute people to be able to communicate with normal people.**
- **People can learn Malaysian sign language as an additional language.**
- **Knowledgeable.**