# MOBILE APPLICATION DEVELOPMENT ASSIGNMENT 1

# WIX3004

# MAMA

## (Makan Apa? Makan Mana?)

## Dr. Ong Sim Ying

| Name | Matric Number |
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## Intro

Millennials nowadays often ask or being asked a simple, but unanswerable question in their life; "Go where eat ah?" We aim to solve this century-old question by randomly suggesting location for their next meal.

## Objective

To suggest locations for user's next meal, without repeating the same place over and over (if possible).
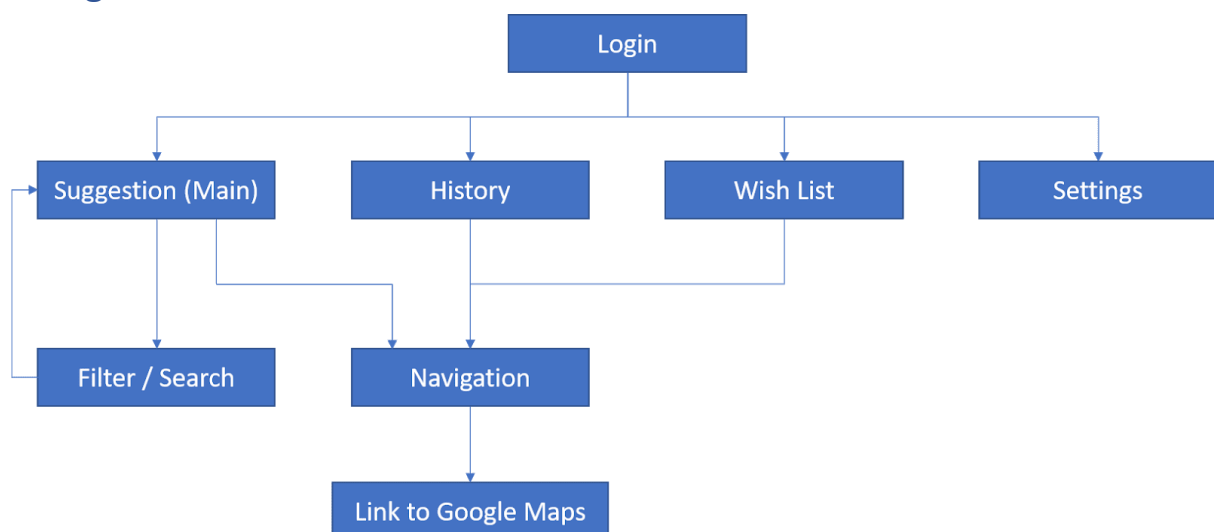
## Roles and functionalities

Role : User

1. The system shall allow the user randomly choose nearby food location.
2. The system should suggest other nearby eateries when user reject the suggestion.
3. The system must be able to link the user to Google Map.
4. The system must allow the user to specify the type of meal.
5. The system shall allow user to blacklist the eateries.
6. The system should be able to display the list of eateries user selected.
7. The system shall allow the user to share location with others via social application.

## Non-functional requirement

1. User should be able to know how to operate the application within 5 seconds after the application is started.
2. The Application should change its font size accordingly when user change the font size in system settings.
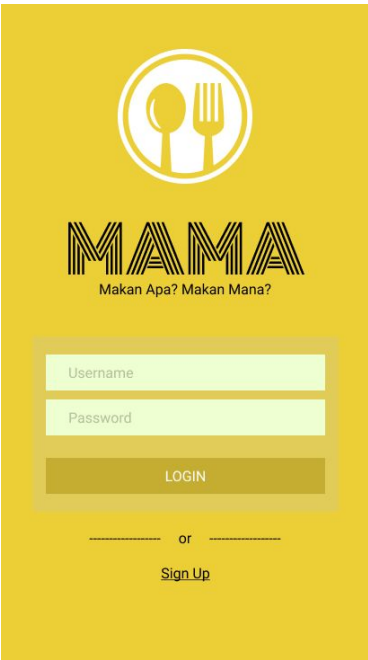
## Navigation chart

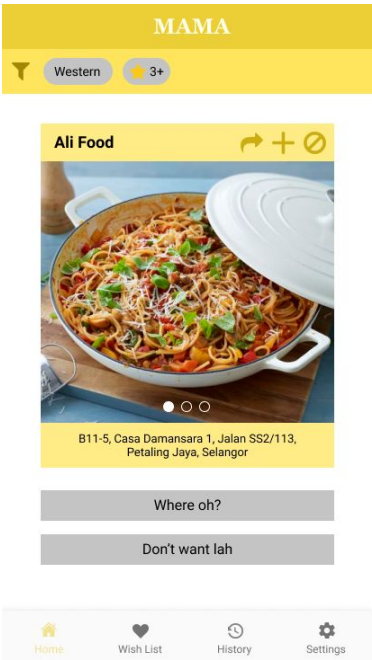# Draft



Figure 1: Login Page



Figure 2: Home Page
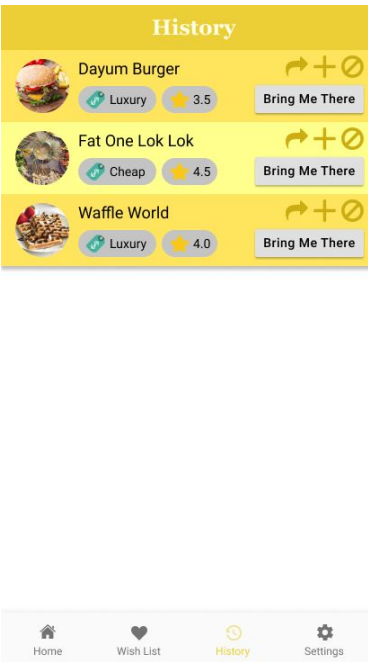


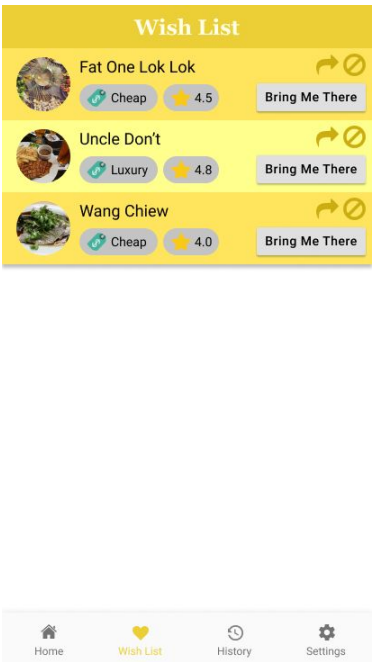Figure 3: Settings Page



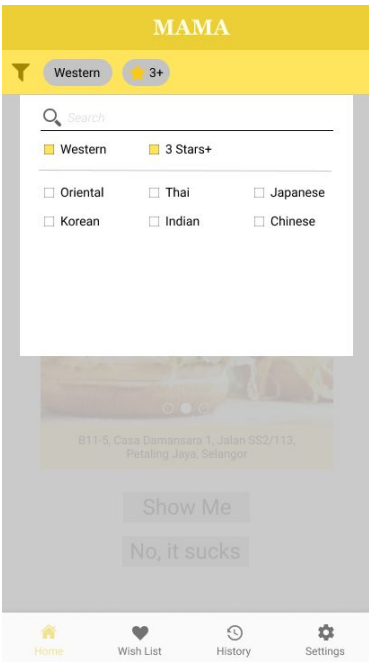Figure 4: History Page


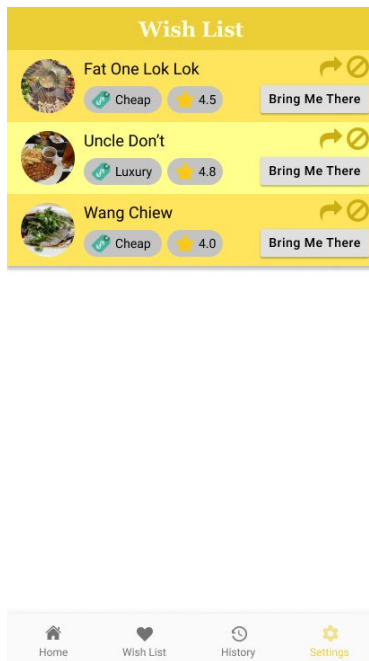
Figure 5: Wish List Page



Figure 6: Filter Features

Figure 7: Navigation Page

# Schedule and member responsibilities

Schedule

| Week | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
|---|---|---|---|---|---|---|---|---|---|---|
| Task | | | | | | | | | | |
| Form Group | ■ | | | | | | | | | |
| Finalize idea | | ■ | | | | | | | | |
| App Mock Up | | | ■ | | | | | | | |
| Proposal Submission | | | | ■ | | | | | | |
| Concurrent development | | | | | ■ | ■ | | | | |
| Integration | | | | | | | ■ | | | |
| Integration Testing | | | | | | | | ■ | | |
| Alpha Testing | | | | | | | | ■ | | |
| Beta Testing | | | | | | | | | ■ | |
| Submission | | | | | | | | | | ■ |

## Modules

### Ong Jia Aun - App Backbone

Consists of the main activities:

- Login
- Choose preferred type of meal (E.g. anything goes or western or oriental)
- View the location of the place
- Accept or decline the suggestion
- Link the accepted suggestion to Google Map for navigation

### Ooi Kee Aun - User Utilities

Consists of various add-ons:

- Rate the been-to eateries (for future suggestion to rank them)
- Favourite list (for user own go-to place list)
- Blacklist (remove the eateries from future suggestions)
- Share the suggestion to other messaging app (e.g. share in WhatsApp)
- Settings

### Teoh Khau Kheng - Database and algorithm

Consists of some basic data storing of the app:

- Store user ratings, favourite lists and blacklist
- Suggestion algorithm (consider user data and history)