Milestone I

Proposed Level of Achievement
Gemini

Aim
We hope to create a platform that allows users to share food with other users in the neighbourhood. We hope that this platform can help build relationships in the community, encourage healthy eating, save time for buyers and provide an alternative source of income for sellers.

Motivation
Home-cooked meals can be comforting to tired souls. It can taste very different and unique from food that could be purchased from outside. It is healthier and more nutritious as there is usually no MSG added to the food. Nevertheless, it can still be delicious and tasty. Home-cooked meals also give consumers more control over the food they are eating.

However, in today's fast-paced society, many people do not have the time to prepare home-cooked meals. As such, while they may desire eating home-cooked food, they have to resort to eating take-outs. So, how can they have home-cooked meals whenever they want?

Furthermore, some housewives and people who have a passion for cooking may want more opportunities to showcase their skills, have more people enjoy their cooking and earn extra cash. How can they share their love for cooking with others around them and do something meaningful with their skills? Also, when they cook extra food, what can they do with the food to avoid wastage?

User Stories
1. As a person who works till late, I want to be able to enjoy home-cooked meal that is already prepared for me at home without having to spend time and effort preparing one myself.
2. As a person who comes from a family that does not know how to cook, I want to eat home-cooked food that taste unique and healthier.
3. As a person who loves cooking and wants to spread the warmth to others around me, I want to be able to have someone who would try my food and enjoy it.

4. As a person who can cook home-cooked food well and is need of some extra money, I want to be able to use my cooking skills to earn some extra income.
5. As a person who cooks too much and does not want to waste food, I want to be able to find someone who is interested and willing to eat my food.

Scope of the Project

A platform that allows users to post the details of the meal they want to share and view the meals available for purchase. Users can be both a seller and a buyer.
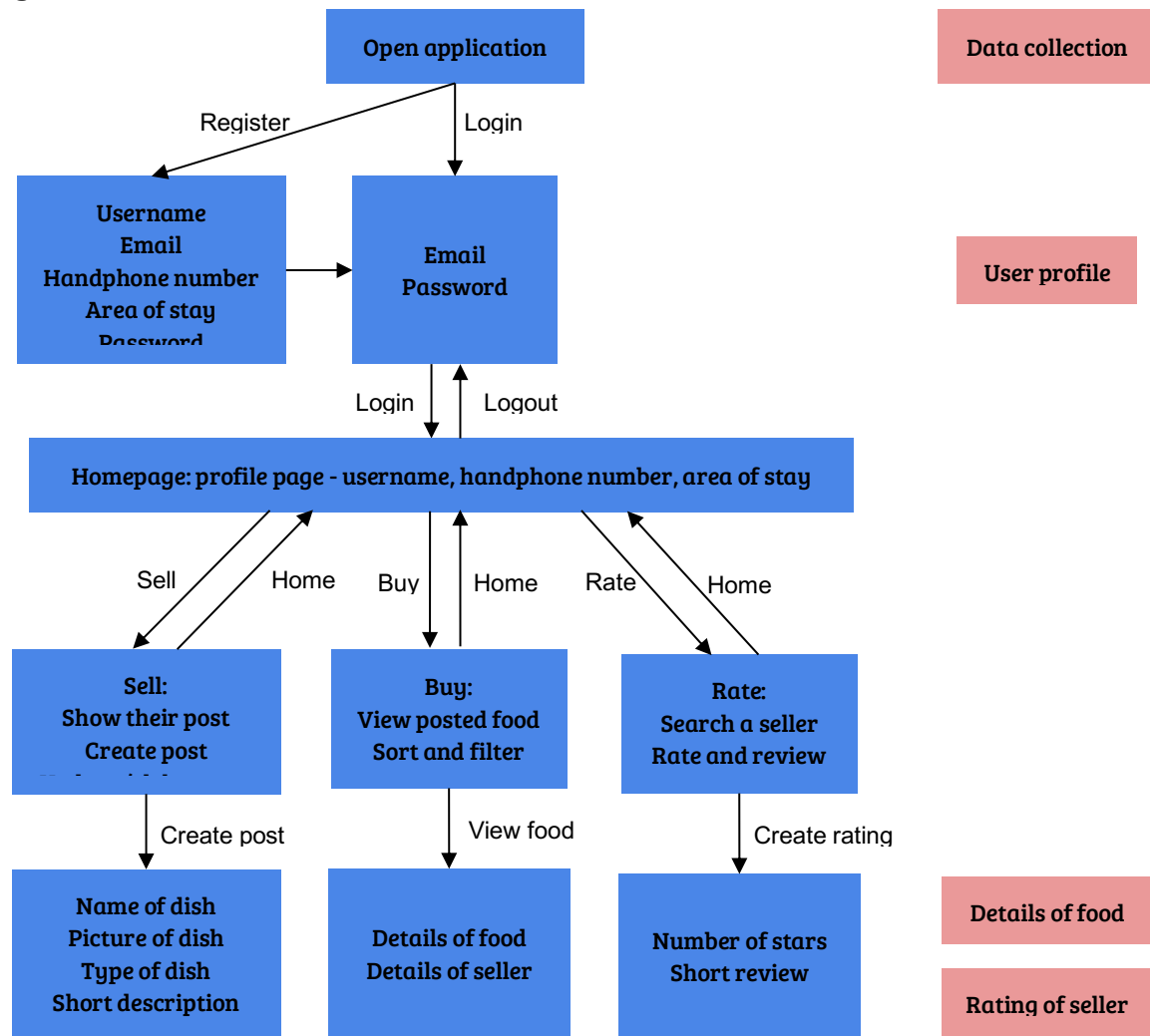
Users are required to **login** or **register** an account. To register, users have to provide their username, mobile phone number and area of stay. The details of the users will be stored into a database and displayed together with the meals they post.

Users who are interested in a particular meal can contact the seller through the mobile phone number shown together with the details of the meal. They can then meet up to collect the food and make payment using the payment method agreed upon (e.g. cash payment) (Our application does not provide any payment method).

Features

Sell	● Users can access a form to **post** the meals they want to cook, indicating the name of dish, a picture of the dish (optional), the type of dish, a short description (optional) and the price of dish ● Users can **update** their post and make modifications ● Users can **delete** their post once their meal is sold
Buy	● Users can **view** the meals available and details of the seller (e.g. area of stay, mobile phone number, rating) ● Users can **sort** (e.g. lowest to highest price) and **filter** (e.g. vegetarian, halal, nearby) the meals available based on their preferences
Rate	● Users can **search** the user that they previously purchased food from and **rate** and **review** that user

Program Flow

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                    ┌──────────────────┐
                    │ Open application │
                    └──────────────────┘
              Register              Login
         ┌──────────────────┐  ┌──────────────────┐
         │    Username      │  │                  │
         │    Email         │→ │     Email        │
         │ Handphone number │  │    Password      │
         │   Area of stay   │  │                  │
         │    Password      │  │                  │
         └──────────────────┘  └──────────────────┘
                         Login ↓↑ Logout
    ┌──────────────────────────────────────────────────────────┐
    │ Homepage: profile page - username, handphone number, area of stay │
    └──────────────────────────────────────────────────────────┘
       Sell        Home      Buy      Home    Rate       Home
   ┌────────────┐      ┌────────────┐      ┌────────────┐
   │   Sell:    │      │   Buy:     │      │   Rate:    │
   │ Show their │      │ View posted│      │ Search a   │
   │   post     │      │   food     │      │  seller    │
   │ Create post│      │ Sort and   │      │ Rate and   │
   │            │      │  filter    │      │  review    │
   └────────────┘      └────────────┘      └────────────┘
     Create post        View food          Create rating
   ┌────────────┐      ┌────────────┐      ┌────────────┐
   │Name of dish│      │            │      │            │
   │Picture of  │      │Details of  │      │Number of   │
   │  dish      │      │  food      │      │  stars     │
   │Type of dish│      │Details of  │      │Short review│
   │Short       │      │  seller    │      │            │
   │description │      │            │      │            │
   └────────────┘      └────────────┘      └────────────┘
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Data collection

User profile

Details of food

Rating of seller

Plan

To be completed by end June:	To be completed by end July:
● Registering users and allowing users to login ● Basic app navigation ● Dataset collection ● Allow users to post their meal ● Allow users to view the meals available ● Allow users to update and delete their post	● Allow users to sort and filter the meals available ● Allow users to search and rate and review other users ● Implementing suggestions provided by peers ● Debugging buffer ● Testing

Project Log

S/N	Task	Date	Orbitee 1 (hrs)	Orbitee 2 (hrs)	Remarks
1	Liftoff Day 1	13/05/2019	9	9	- Attend workshop
2	Liftoff Day 2	14/05/2019	9	9	- Attend workshop
3	Meeting with Adviser	14/05/2019	1	1	- Discuss possible features and areas to focus on - Discuss the technology required
4	Design Logo	15/05/2019	2	2	- Create and edit logo
5	Discussion	16/05/2019	2	2	- Formulate project idea and structure - Discuss and lay out the skeleton of the application - Brainstorm and discuss core features to implement
6	README	17/05/2019	3	3	- Describe problem motivation, aim and user stories - Describe proposed core features, program flow and development plan
7	Research	18/05/2019	5	5	- Pick up the necessary technology (Android Studio)
8	Frontend Programming	19/05/2019	4	4	- Design login page and registration page
9	Frontend Programming	20/05/2019	3	3	- Design homepage
10	Backend Programming	25/05/2019	5	5	- Design app navigation - Store user's profile in database
11	Project Video	26/05/2019	5	5	- Showcase project idea - Describe aim, features, app navigation and technology used

12	Project Poster	01/06/2019	3	3	- Showcase project idea - Describe aim, features, app navigation and technology used
13	Project Log	02/06/2019	1	1	- Record tasks performed and hours spent

Total hours spent per member: 52