Release Plan

Heading:

Project name: Foodographer
Team name: Team Suicode Squad
Release name: Foodographer
Due Date: 10/09/2018
Version: 1.0
Revision Date: 10/11/2018

High level goals:

1. Have a beautiful and creative user interface for every functional page.
2. Be able to make every button/display work correctly with quick response.
   HomePage:
   - Recommendation：
     - Recommend restaurants by users' preferences (flavor, expertise, location, favorite)
     - Recommend articles about the history of specific food.
   - Search bar：
     - Keyword searching
       - Name, type, tag, dishes
       - Can search by locational keywords: near, close to, in
     - Location searching
       - Default is the user's current location
3. Test every button, search bar, filter.
   Filter：
   a. According to reviewers' expertise (Users could identify themselves as "expertise" in various food genres, and expertise's reviews in their relative genre of restaurants would play more important roles than other reviews)
   b. Rate by star: tasty, serve manner and environment, and overall
   c. Address (close or far)
   d. Price ($,$$,$$$)

   Search result view：
   a. Name
   b. Rate (star)
   c. Types/Genre
   d. Tags(by users and by us)
   e. Price
   f. Distance

4. Be able to save all users data either locally on the device or on the database.
5. Be able to save all restaurants data in a properly structured database.
6. Be able to give authorized users permission to comment, to add their favorite restaurants, and to add tags.
    - Guest:
        - Able to search restaurants by their type, name, tag, location, and dishes.
        - Able to filter restaurants by their distance, reviewer expertise, rating(taste & service), and price.
        - Able to view and filter reviews.
    - Users with an account:
        - Able to do anything that Guest can do.
        - Sign up
        - Able to fill in your ethnicity (used for recommendations).
        - Able to choose the types of food that you are expert in (used for filter).
        - Able to rate restaurants, write reviews, add dishes in the menu, add limited tags to restaurants.
        - Able to save favorite restaurants.
    - Tags (10):
        - American/authentic/both (some restaurants have two types of menu)
        - Dim sum/BBQ/normal meals/hot pot/brunch/cafe/media influencer …(pick two)
        - Spicy or not
        - Vegan
        - Yes/No WiFi
        - Need (not) to wait in line (popularity)
        - Yes/No reservation
        - Yes/No Cash only
7. Be able to save all comments/reviews by the users in a properly structured database.
8. Test to determine the functionality of different filters.
9. Be able to suggest authentic food to users according to their personal tastes and interests.
10. Test the suggested restaurant.

11. Be able to provide users with multilingual reviews.

User stories for release:

- Sprint 1
    - As an app developer, I need to watch Android Studio tutorials so that I can build an android app. (8 points)
    - As an interface developer, I need to learn XML in Android Studio to create the user interfaces. (Homepage, login page, sign up page, search result page, restaurant info page, filter) (8 points)
    - As a backend developer, I need to watch Firebase tutorial for the search bar of our app. (7 points)
    - As a backend developer, I need to use Firebase to create the database to store user information and login authentication. (8 points)
    - As a backend developer, I need to use Firebase to create the basic structure to store restaurant information. (10 points)

- Sprint 2
    - As an interface developer, I need to watch Java for Android Studio tutorial to implement each button. (8 points)
    - As a frontend developer, I need to learn search view(search bar), image button(restaurants button) to make more abundant button choices. (12 points)
    - As a backend developer, I need to use Firebase to retrieve user information from the login page. (18 points)
    - As a backend developer, I need to use Firebase to organize restaurant information in desired patterns and be able to successfully send restaurant information when users see their personal homepage in Sprint 3 (12 points).
- Sprint 3
    - As a user, I want the user interface to have a good flow and looks cool, so I will not get bored with this app.(12 points)
    - As a user, I need to be able to see my user info in user profile so that I am able to check my selection at the restaurant. (32 points)
    - As a user, I want to be able to read articles from the homepage so that I am able to understand diverse food culture.
    - As a user, I want to be able to open restaurant information from search result page so that I am able to choose restaurants by more detailed information.
    - As a user, I want to have a customized search function so that I can find my desire restaurant. (36 points)
    - As a backend developer, I want to connect restaurant info fetched from Yelp with our own database. (12 points).

    - As a frontend developer, I want to make sure both functions and layout of restaurant info page are completed (buttons, implement reviews) so that other teammates can start testing their tasks by using completed restaurant info page.
- Sprint 4
    - As a frontend developer, I want to improve UI to make our product looks more fancy. (30 points)
    - As a user, I want to see the recommended restaurants so that I can have some outstanding options. (8 points)
    - As a user, I want to see a visual mapping of my surrounding so that I can pick a close restaurant.(26 points)
    - As a user, I need to be able to see my user info in user profile so that I am able to see my selection at the restaurant.(32 points)
    - As a frontend developer, I need to change all the pages to dynamic, so switch between pages can be prettier.(41 points)

Product backlog:

- Have a map function(by implementing Google Map) which users can see the list of restaurants on the map and able to direct to it based on users' geographic location.
- We can expand our category to Korean food, Indian food, and Japanese food. Enter more restaurants information in our database.

Project Presentation:

Put the initial presentation in the initial presentation folder of UCSC CMPS 115 folder that is created by the Professor.