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 and hot/light
        - Yes/No WiFi
        - Need (not) t0 wait in line (popularity)
        - Yes/No reservation
        - Yes/No take out
        - Yes/No delivery(to user's current address)
        - 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 an app developer, I need to be able to successfully send restaurant information that will be listed when users search the restaurant that he/she wants (6 points).
    - As an app developer, I need to be able to use the filter function to create a specific list of restaurants and able to retrieve the information of restaurants that match with what users enter (10 points).
    - As an app developer, I need to learn how to suggest right restaurants to the user by using their personal information, comments/reviews, and search histories. (20 points)
- Sprint 4
    - As a user, I can see the basic image of the app and functional. I also need to be able to see the recommendation of a list of restaurants. (15 points)

    - As a user, I can create an account and be able to add my reviews to the restaurants. (12 points)
    - As a user, I can add tags to the restaurants so that other users could select restaurants according to their tags. (15 points)
    - As a backend developer, I need to establish a database to store all the users' comments/reviews in an efficient manner. I also need to send appropriate comment data to users in a quick response (8 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.