

Sprint 1 Plan

Heading:

Project name: Foodographer

Team name: Team Suicode

Release name: Foodographer

Due Date: 10/9/2018

Version: 0.1.0

Revision Date: 10/11/2018

Goal:

Our Sprint 1 goal is to complete the basic user interface for our Android app, including the user login page, homepage, and other basic functional pages. For the backend, we also need to implement basic Firebase integrations(database and login authentication) into our app in order to store restaurants and user information.

Task listing:

1. As an app developer, I need to learn how to operate Android Studio so that I can build an android app.
 - Watch Android development tutorial: learn basic operations in Android Studio through online resources such as official Android development guides, Youtube, and various other tutorial websites (4 hours).
2. 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, etc.).
 - Learn basic UI design in Android Studio: familiarize with Android Studio's layout design through XML files and design view. (2 hours)
 - Design and create a fundamental UI structure for the app. (6 hours)
3. As a backend developer, I need to learn about Firebase and its functions so that I can integrate it into our application to establish a connection with the Firebase database.
 - Connect with Firebase Realtime Database: establish a connection with the database so that we can send and retrieve data from it. (4 hours)
 - Configure the Firebase Authentication: create a secured user login authentication system with Firebase Authentication(3 hours).
4. As a user, I want to search restaurant by it's name and location, so I'm able to search the right restaurant for me.
 - Finish the UI for search bar and filter , then connect each page correspondingly. (2 hours)

5. As a user, I would like to log into the app so that I can make comments on the restaurants and experience all the features.
 - Complete user register and login page, and differentiate the available functions between guests and login users. (6 hours)

Team Roles:

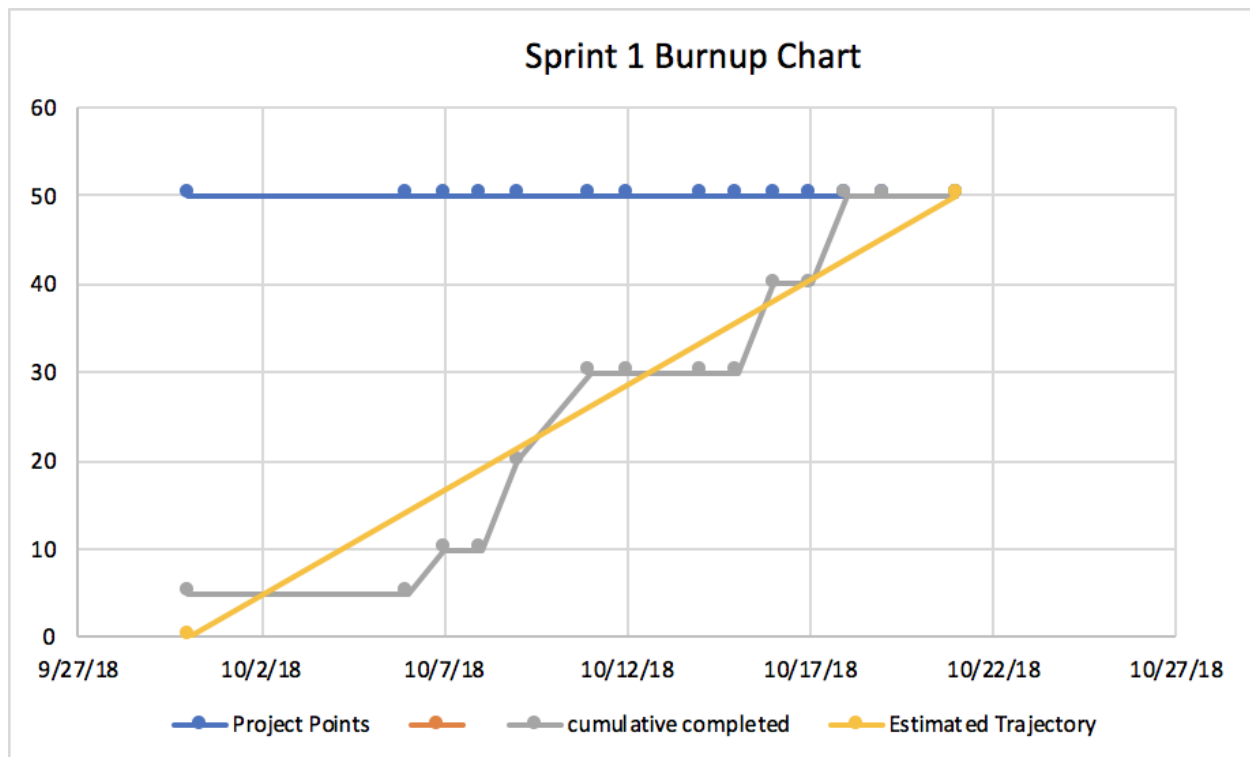
Haofan Wang: Frontend (user interface)
Jason Song: Backend (login information)
Leo Guo: Backend (search function)
Bingxue Ouyang: Frontend (user interface)
Jeremy Hao: Frontend (user interface)
Michael Zhang: Backend (restaurants information)

Initial task assignment:

- Haofan Wang
 - As a frontend developer, I want to establish a clean and pretty homepage for the users when they enter the app.
 - Initial task: design and create a neat homepage for the users
- Jason Song
 - As a backend developer, I want to connect Firebase Authentication with our app so that our users could enjoy additional features through logging in.
 - Initial task: establish a valid connection between Firebase Authentication and Foodographer, and enable the users to store their accounts into our database.
- Leo Guo
 - As a backend developer, I want to connect Firebase with our app so that I can develop an algorithm to provide restaurant information when user search in the search bar.
 - Initial task: familiar with Firebase, understand how firebase works and watching tutorial online to see how to match user enter to correct listed result, in this case: it is the restaurant that related to the search result.
- Bingxue Ouyang
 - As a frontend developer, I want to build a search page with filter options for the users so they could find their favorite/matching restaurants in a convenient manner.
 - Initial task: design and create a reliable search bar and filter for the users.
- Jeremy Hao

- As a frontend developer, I want a straightforward sign up/login page for the users so that they could register/log in easily.
- Initial task: design and create a sign up/login page for the app.
- Michael Zhang
 - As a backend developer, I want our app to make a connection with the Firebase Realtime Database so that they could view a rich selection of restaurants in quick response when they are searching for food.
 - Initial Task: integrated Firebase Realtime Database with Foodographer for a list of restaurants.

Initial burnup chart:



Initial scrum board:

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|--------------|--|--|
| user stories | <ol style="list-style-type: none"> 1. As an app developer, I need to watch Android Studio tutorials so that I can build an android app. 2. As an interface developer, I need to learn XML in Android | |
|--------------|--|--|

| | | |
|--------------------------|---|--|
| | <p>Studio to create the user interfaces. (Homepage, login page, sign up page, search result page, restaurant info page, filter).</p> <ol style="list-style-type: none"> 3. As a backend developer, I need to watch Firebase tutorial for the search bar of our app 4. As a backend developer, I need to use Firebase to create the database to store user information and login authentication. 5. As a backend developer, I need to use Firebase to create the basic structure to store restaurant information. | |
| tasks not started | <p>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).</p> | |
| tasks in progress | <ol style="list-style-type: none"> 1. As a backend developer, I need to watch Firebase | |

| | | |
|------------------------|--|--|
| | tutorial for the search bar of our app | |
| tasks completed | <ol style="list-style-type: none"> 1. As an app developer, I need to watch Android Studio tutorials so that I can build an android app. 2. As a backend developer, I need to use Firebase to create the database to store user information and login authentication. 3. As a backend developer, I need to use Firebase to create the basic structure to store restaurant information. | |

Scrum times:

- Monday: 2 PM - 4 PM
- Tuesday: 9 AM - 12 PM
- Wednesday: 2 PM - 4 PM
- Thursday: 9 AM - 12 PM, 12 PM - 12:30 PM (meeting with TA)
- Friday: 2 PM - 4 PM
- Sunday: 1PM - 5 PM