Sprint 1

4/3:
First meeting - mainly went over what was expected from us and plans regarding how we were going to split up the tasks over the two sprints.

What's going to be done before next time:
Simon: Figure out how API works/try to get information from it.
Cindy: Create xml layout for homepage and login page.
Rebecca: Figure out how API works/try to get information from it.

4/10:
What was done:
Simon: Figure out how API works/try to get information from it.
Cindy: Create xml layout for homepage and login page.
Rebecca: Figure out how API works/try to get information from it.
Anything interesting/wrong:
Simon: API has a search function to find recipes that match the ingredients but to find more information about it (other than just an image and the name), you have to make another call just for that one. API has issues where each ingredients has to be one word (so peanut butter would have to be connected with a hyphen).
Cindy: N/A
Rebecca: N/A
What's going to be done before next time:
Simon: Create and populate recipe page with the top half a stationary screen while the bottom half contains three fragments.
Cindy: Create navigation drawer (with two versions, one for logged in users and one for those who aren't logged in). Create settings page. Implement login features.
Rebecca: Create and populate recipe listview activity.

Sprint 2:

Overview:

In this sprint we further refined our app to match as much of the functionality as we could from our design document. We refined our UI so that it is scalable independent of the device, and so that it more closely matches what we first envisioned. The sign up/log in functionality was changed to function more appropriately. The app's data was also moved from SharedPreferences to a Firebase database to keep track of users and input. A user can now sort a list based on only ingredients, or also by how long a dish will take to cook. The user can now add their own tips to each recipe, either through their own account or anonymously (when not signed in or as an option while signed in). The settings page allows the user to change their password and email, as well as log out and select some culinary preferences/restrictions.

4/17:

What was done:

Simon: Created and populated recipe page with the top half a stationary screen while the bottom half contains three fragments. Tips weren't able to be completed, much larger task than previously thought.

Cindy: Created navigation drawer (with two versions, one for logged in users and one for those who aren't logged in). Implemented login features. Created settings page.

Rebecca: Created and populated recipe listview activity; however, wasn't able to get the page to match our design exactly.

Anything interesting/wrong:

Simon: Had difficulties trying to get xml layouts to look exactly like design/realized tips were going to require a lot more work than previously expected.

Cindy: user data was saved in sharedpreferences for now. Will move to firebase eventually.

Rebecca: Had difficulties having the listview look exactly like our design (in terms of color and shape of text bubbles).

What's going to be done before next time:

Simon: Implement tips fragment by creating a firebase database to hold all the tips for each recipe and then creating a listview to display them.

Cindy: Move user data to a firebase database.

Rebecca: Work on adding a favorites button to the recipe page and figuring out how to save them to use to populate another listview.

4/24:

Note: Jennifer gave feedback about the first sprint: main things were to have two separate screens (one for sign up, one for sign in), fixing the UI to match the design document.

What was done:

Simon: Implemented tips fragment. In firebase database, each recipe had a spot for its tips (distinguished by its unique recipeID). This spot contained a list of "tip items" which held the tip-maker's name, rating and tip. Implemented adding tips and displaying them in the listview.

Cindy: Moved user data (favorites, email, name, password, username) to a firebase database

Rebecca: Worked on adding a favorites button to the recipe page and its persistence.

Anything interesting/wrong:

Simon: Having the user input a tip right on the half screen fragment is unreasonable when the keyboard that pops up takes up half of the screen. Instead added an "add a tip" button that popped up a dialog fragment that allowed for users to input tips.

Cindy: Had some issues using firebase (being able to read information from it).

Rebecca: Had issues with the favorites button persisting.

What's going to be done before next time:

Simon: Implement recipe sorting options (calories, ingredients used, time needed)

Cindy: Finish up implementing user data firebase database and redo settings screen and add another screen for sign in (instead of having sign in and sign up in the same screen).

Rebecca: Keep working on the favorites button and favorites section.

5/1:

What was done:

Simon: Implemented recipe sorting options (ingredients used, time needed) and fixed search (now you can search for ingredients with two words without having to put a hyphen in between).

Cindy: Finish up implementing user data firebase database and redo settings screen and add another screen for sign in (instead of having sign in and sign up in the same screen).

Rebecca: Keep working on the favorites button and favorites section.

Anything interesting/wrong:

Simon: Talked with Jennifer about how the recipe sorting would work before this meeting (in regards to when to make the API calls to minimize user wait-time and how to minimize API calls). API also doesn't give calories information about recipe (only a "health score" which was very ambiguous). Instead decided to try and do a sort by rating.

Cindy: N/A. Everything was fine.

Rebecca: Favorites button was still having issues with persistence. We realized it most likely has to be placed in the firebase database in order for it to work properly.

What's going to be done before next time/submission:

Simon: Implement sort by rating by storing the average rating of each recipe in the firebase database.

Cindy: Start writing unit tests for the app/testing the app.

Rebecca: Finalize favorites page and work on refining some UI elements.

Final Notes/Future Plans:

We plan to continue working on this app for the last part of this semester (sprint 3). We will test the app more thoroughly as well as creating a "recipe of the day" scrollable listview on the homepage as well as finalizing the favorites. We will also try to filter results automatically if some dietary restrictions are selected for that particular user. We will also try to implement a feature that can take advantage of the cuisines preference (another listview on the homepage that contains recommended recipes based on the cuisine preference).

Sprint 3:

We managed to complete everything that Jennifer took points off of for our second sprint (mainly the favorites feature). We only met briefly at the beginning to discuss the feedback and what we could change. Some errors that we were unable to fix were the tips fragment toast showing up in the wrong place (in the code, it's placed in the oncreateview of the tips fragment, so we can't figure out why it's not working properly) and we decided not to add the recipe of the

day scrollable listview because it ended up making the search page look very cluttered and messy.