Rahul Khanna, Isha Angadi, Sierra Seabrease, Kurnal Saini

Milestone 2

Goals for Milestone 2

- Create User class so that a new User can be added to the Database
- Get Latitude and Longitude of person submitting dish using location services
- Make tables for Users and Dishes and add a getter based on ID
    - Accept Dish GUI and Rate Dish GUI
    - A toggle to set/display whether a dish is currently available.
    - A separate tab to display details/ingredients for a dish. This is where the toggle control for whether or not the dish is still available.
- Make map with markers that represent where dishes are available

Rahul

For this part I was responsible for creating the User class. So whenever we want to create a new User we would call the constructor from that class. We would then insert this user into the database. The next step for this would be to handle the logging in process. After we have successfully created a new user we also have to prompt the user to log back into PotLuck. Also we would have to access the database to check if the email already exists in the database.

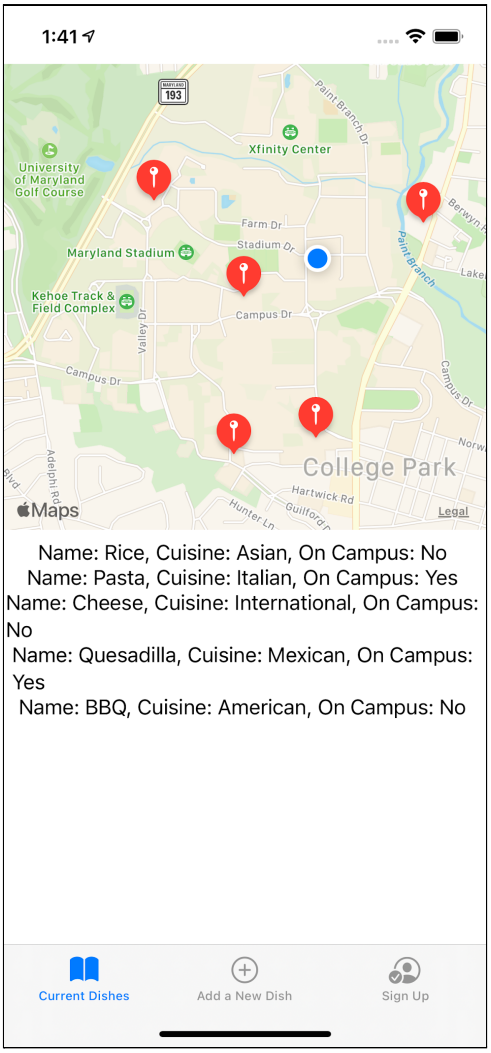
Isha

I was responsible to get the Latitude and Longitude of the person submitting the dish using location services. This step is useful because it allows us to confirm that the user is sharing their dish while on campus and to link the user's location for pick up on the map.
After a couple tries, I was able to use CLLocationManager to capture the user's accurate location. Once the user fills the recipe information, the user checks off if they are located on campus — if they are on campus, they can share their pick up location and upload their recipe. For user privacy, our Potluck application only tracks the user's location when the application is in use. I was able to meet the target for Milestone 2.

Figure 1. Screenshot of New Dish Screen that asks for user location (latitude, longitude) when uploading recipe

Sierra

For this milestone I was responsible for building the map component to display the locations of cuisines on campus. Using some of the lecture examples, I was able to successfully display a map with markers pointing to different housing around UMD (See figure below). The next step for this map would be to pull in the markers from the specific locations of cuisines. During this process I learned that having a pop-up display after clicking on a map marker was providing some difficulty to other users with IOS14. With this in mind, I believe if that becomes an issue then we can list out the cuisines under the map and then when a cuisine is clicked it will highlight it's location on the map and provide more information about the cuisine. This can possibly be done using navigation views.



Kurnal

Using the recent lecture outlining how to use CoreData to establish a SQL database, I spent this week refactoring my current implementation of SQLite database (which I created by following a Medium Article) to an implementation that uses CloudKit. I also wrote wrapper functions for basic operations on the table. I made tables for users which we will use for authentication, and dishes which we will use to generate latitude and longitude coordinates for the map sierra made. We will be addressing this in MileStone 3 where the Map View reads the dishes table and generates markers for available dishes. This took longer than I anticipated so I will be addressing the GUI this weekend.