CprE/SE 492 - sdmay19-40
Bi-Weekly Report 3
2/11/2019 - 2/25/2019
Client: IBM Call For Code
Faculty Advisor: Diane Rover

Team Members:
David Boschwitz - Team Lead
Caleb Nash - Lead Frontend, Maps Guy
Justin Kaufer - Research & QA
Austin Keen - Designer & User Experience Lead
Bobby Schedler - Lead Backend
Logan Fladung - Subject Matter Expert & Graphics

Past Week Accomplishments:

Caleb Nash - Finished adding custom pins by tap

Justin and I finished adding custom pins by tapping directly onto the map, which will be part of the admin part of the project. We will be working towards making it more user friendly, and be a lot easier to use.

I will continue to work on making the pins part of the feature better, but will also work on making the custom routes and seeing areas of traffic that could be problematic. This will require calls to the google maps API.

David Boschwitz - Demo Merge, UX Meetings, Database work

This week I merged all of the feature branches together for a live demo of all the features contained within one android app. I was able to complete this for branch demo-2019-02-27. The demo also included a hardcoded hamburger menu. It was exciting to see all of the features rolled into one.

I met with Dr. Fila and Austin to generate qualified questions for a UI focus group. With this meeting we created a variety of questions that can be slightly edited to gather user feedback on the parts of the application that we want to focus on each sprint for improvement in the UI.

I worked on creating a DatabaseController to access the database (that will work well with our dependency injection). I also created a template model item/abstract super-class item, DatabaseItem, that will serve as a template for all information transmitted between applications.

Robert Schedler - Added menu page to app

My branch before this week was not mergeable with the rest of the groups code. I cleaned up my code and set up a menu page for the rest of the team to add their sub features to our app. I think this will help us track our progress and speed up our development process.

Austin Keen - Meet with Nick and Begin Focus Group Testing

For this sprint I began by meeting with Nick and David to generate qualified questions for a UI focus group. With this meeting we created a variety of questions that can be slightly edited to gather user feedback on the parts of the application that we want to focus on each sprint for improvement in the UI.

I ran into a few issues in this cycle, as the qualtrics website was down when I was trying to make some final edits to the feedback survey and also when I went to publish the survey. However, I will now have a back up google survey, in case this occurs in the future.

As I began to send out the UI feedback surveys to a variety of potential user groups, I found that I needed to edit how the user was viewing the application for the feedback to be useful. This will be something I do in the next sprint and should be fairly simple.

Logan Fladung - I wasn't able to make significant progress on my goals for the News section.

What I focused on instead was merging our branches together and connecting the views. This was to create a demo-able product for this week's meeting and to allow News to integrate with the Maps feature.

Justin Kaufer - Maps Capability

Caleb and I finished up the user side of the renderer for maps. You are now able to click on pins and see information on that specific location. We also worked on the admin side of the maps. We completed tap to place functionality. Now admins will be able to add custom pins to locations they want. There are still some bugs to fix though. Lastly we started some of the data structures that are going to be stored on the database.

Pending Issues

- Qualtrics had some issues with their site - resolved

Individual Contributions

Team Member	Contribution	Bi-Weekly Hours	Total Hours

Caleb Nash	Maps Pins	16	28
Justin Kaufer	Maps implementation	13	26
David Boschwitz	Core Development; UX Meetings	12	30
Logan Fladung	Merging branches together	5	17
Austin Keen	Meet with Nick and Begin Focus Group Testing	7	27
Robert Schedler	Chat	6	22

Plans for Coming Week

David Boschwitz - Continue database work, continue core work, continue UX help

I will continue to work on the database, I plan to create unit tests and a sample implementation of the DatabaseController.

I will use what I learned from the demo merge to create a hamburger menu in master, that is less hacky/hotfixy than the demo branch.

I will continue to meet with Dr. Fila and Austin to continue to improve our UI and UX.

Caleb Nash - Improve pins, start routes

I will continue to work on making the pins part of the feature better, but will also work on making the custom routes and seeing areas of traffic that could be problematic. This will require calls to the google maps API.

Robert Schedler - I want to progress the chat application.

The goal of the chat is to allow users to talk to admin, so I plan to make progress doing that

Austin Keen - Fix UI Focus Group Testing Environment and Begin Adding To Application

This next sprint I will begin adding some features such as UI additions for the main menu, and other aspects of the applications. I will also be gathering some quality data from user groups.

Logan Fladung- News section features (Search, maps integration, news by region)

The next step for news is to add the features listed in the News backlog. Now that we have a basic product with News and Maps included, we can integrate reports that involve a location to connect to Maps and show users where it is. Similarly, we will read the user's location and filter out reports that aren't close by.

Justin Kaufer - Improve custom pins and implement google maps routes

There are some bugs with placing pins that Caleb and I will tackle. Our initial idea is implementing multiple custom renderers or some sort of long press for tapping. Now that we can get location information, we will implement the routing system that google maps api provides.