Computer Science Capstone Project Logbook

Jacob Collins

February 5th, 2018:

* Installed Android Studio on my Linux laptop and got it up and running. (1 Hour)
* Created my GitHub repo for the capstone and edited the README file with the basics of the project. (~5 Minutes)

February 8th, 2018

* Re-Downloaded Android Studio on my main laptop (Windows) due to the prior version of Android Studio on the laptop being very out of date and causing errors. (~30 Minutes)
* Set up Google Maps API key and other settings (Phone Emulator, SDK Versions, etc.) (~30 Minutes)
* Update Java JDK Version (~5 Minutes)
* Made sure the emulator was working with the base google maps application that Android Studio created and then pushed its java file and xml file to Git (~10 Minutes)
* Created another Git Repo for just the Android Studio application itself and pushed the current code to it through Android Studio, although I did have to figure out how to do that which took longer than expected. The other repo will be for word docs (this logbook, weekly updates, etc.) (20 Minutes)

February 12th, 2018

* Watched/Read Android Studio tutorials, some on just the basics of android programming for a refresher and the rest on how to implement a google maps activity in which the program asks the user if it can access their location and then, if the user allows it, it marks it on the map (2 Hours)
* Began to create my UI model for the app (30 Minutes)
* Began to implement getting the user’s location and marking it on google maps (30 Minutes)

February 13th, 2018

* Downloaded Balsamiq for designing the UI Mockeup (5 Minutes)
* Used a Google Android Studio demo to get the app to find the current position of the user (3 Hours)

February 14th, 2018

* Had a Gradle issue and I believe a fixed it (1 Hour)
* Deleted some extra code from the demo app that I found online that was unnecessary for my app (10 Minutes)
* Created Base Template repo on GitHub and a base template project in Android Studio in case I need to reset a UI element or something else back to what it was when I started (20 Minutes)

February 19th, 2018

* Created a UI Mockup using Balsamiq (1 Hour)

February 25th, 2018

* Implemented the UI in the mockup (3.5 hours)

February 26th, 2018

* Added UI elements to the new activities added earlier (2 Hours)

March 12th, 2018

* Timer now starts and stops on command (30 Minutes)
* The app now stores the current run data (just time currently) on local storage and this will only delete itself if the app is uninstalled (2 Hours)
* Created a Run object which will be the object that all run data (time, distance, etc.) will be stored (1 Hour)