Second Project Proposal

General Overview

Trail Tracker App. This app will help hikers know what hiking routes they have previously completed, what length they are, and they can even see pictures that they took on their previous hikes. I think it would be nice to have an app like this so I can remember all the hikes I've done and how long they are and having the pictures would be nice too because then I can remember what they look like and what time of year I did them.

Technical Challenges

- We'll need to figure out how to store and display all of the information we're gathering. We'll probably have a main page with a picture icon and a map icon for each hiking trail, and from there you click on those icons to access the other information.
- We'll also need to figure out how to start and stop collecting hiking information. Again we'll probably just put a start and stop button on the main page.

Requirements

1. **Make use of the following features:**
   - **GPS**: We plan to use GPS to track the trail routes.
   - **Maps**: We will use Google Maps to show the trail routes
2. **Your app must make use of at least one of the following features**: Firebase Realtime Database, Camera, or Accelerometer
   - We plan to use the Camera feature to allow hikers to store pictures of their hiking route.
3. **Your app should have a custom launch icon:** We will use a mountain logo as our app's launch icon
4. **Your app must be useful:** Our app will help hikers store information about hiking trails that they've completed.

Time Estimation

The goal is to implement the project in 12 hours (per person), so we broke it up into 5 sections that should take roughly 2 hours each: main page display hikes, gps input, map input, camera input, and launch icon. We'll have about 2 hours left which we'll use to refine and combine all the elements.

Group Members

Allison Oborn: A02082529   Andrew McMullin: A02229791