sdmay20-53 Bi-Weekly Progress Updates

Mobile: Shuangquan & Madison

- What we've been working on
  - Setup project in XCode
  - Created diagrams for use cases of application
  - List some functional/non-functional requirements
  - Discuss source control with clients
- Accomplishments
  - Tabbed view for main screens setup
  - Login view implemented
  - Signup view implemented
  - Structure of the app implemented
- Goals for next interval
  - Configure Firebase project
- Impacts on project
  - Outlines direction for starting code implementation

Hardware: David & Kevin

- What have we worked on:
  - Test hardware
  - Determine if accuracy & precision will work for our use case
  - Determine necessity
- What have we accomplished:
  - Set up and tested accuracy of GPS and Flow sensors. Began Bluetooth module testing
- Goals for next Interval:
  - Get all sensors working and determine if they will suffice for our project
  - Format the data to be sent
- Impacts on project:
  - Once sensor data is collected, we can begin to think about how to send/organize data

API Team: Sean & Donald

- What have we worked on
  - Research on Mapbox, and potential solutions to transferring data to and from the server
  - Design Documentation: Architecture, Screen-Flow Chart Diagram
- What have we accomplished:
  - Verified Mapbox with clients along with discussed potential programs for data transfer
  - Creation of Screen-Flow Chart Diagram
- Goals for next Interval:
  - Decide on program for data transfer, and drafts for firebase and Mapbox
  - Create project outline for Firebase
  - Begin integration of Mapbox SDK into iOS Application.
  - Continue working on Design Document
- Impacts on project:
  - Data Transfer for the application
  - Documentation for Presentations Down the Line

TO DOs

- Bluetooth
- Format the information
- Design Documents