

sdmay20-53 Bi-Weekly Progress Updates

Mobile: Shuangquan & Madison

- What we've been working on
 - Data content table
 - Writing the testing requirement for the app
 - Core data/local storage
- Accomplishments
 - Data content table
 - Detail View of the data content
 - Testing requirements for functional requirement and non-functional requirement
- Goals for next interval
 - Establish communication between devices
- Impacts on project
 - Outlines direction for code implementation

Hardware: David & Kevin

- What have we worked on:
 - Bluetooth module
 - Combining all sensors in 1 program
 - Collect data simultaneously and format with JSON
- What have we accomplished:
 - Able to create JSON object with all data we will need to send
 - GPS, Flow, Compass, Date/Time
- Goals for next Interval:
 - Get bluetooth module to work
 - Gain ability to send data over bluetooth
- Impacts on project:
 - We now have a format we can share with API/iOS team, but need to work on being able to communicate with mobile device.

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:
 - Login/Signup/Password Reset Functions with iOS and Firebase Auth Services.
 - Started modeling data in Database and mapping display.
- Goals for next Interval:
 - Decide on program for data transfer, and drafts for Mapbox
 - Continue working on Design Document
- Impacts on project:
 - Data Transfer for the application
 - Documentation for Presentations Down the Line

TO DOs

- Bluetooth
 - Can establish connection, but not much after that
- Design Documents