

sdmay20-53 Bi-Weekly Progress Updates

Mobile: Shuangquan & Madison

- What we've been working on
 - Figuring out the tech stack
- Accomplishments
 - Researched potential 3rd party libraries & cloud providers
 - Set up the project in App Store Connect
- Goals for next interval
 - Setup project in XCode
 - Mock-ups/determine use cases for application
 - List some functional/non-functional requirements
 - Discuss source control with clients
- Impacts on project
 - Outlines direction for starting code implementation

Hardware: David & Kevin

- What have we worked on:
 - Received Hardware
 - Learn Hardware
 - Begin getting sensors working
- What have we accomplished:
 - Guides/Datasheets for all hardware
- Goals for next Interval:
 - Get some of the sensors functioning
- 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
- What have we accomplished:
 - Verified Mapbox with clients along with discussed potential programs for data transfer
- 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.
- Impacts on project:
 - Data Transfer for the application

TO DOs

- Firebase and mobile app talking
- Read hardware sensors
- Decide on PCB board
- Basic data for firebase, mapbox, ios
- iOS UI