

Weekly Report 9 (3/10/16)

Iowa State Bike Share Program Advisors: Professor Mina / Professor Kargol

Members / Group Rules

- Jorden Studer - Team Leader
- Molly Schaeffer - Team Key Concept Holder
- Kaitlynn Kruse - Team Key Concept Holder
- Kyle Perkins - Team Communication Leader
- Brian Anderson - Team Communication Leader
- Jeffrey Neel - Team Webmaster
- Mohammad Darwish - Team Webmaster

Weekly Summary

This week, the hardware team continued work on the PCB board and sent it out for manufacturing, as well as did more testing with the RFID reader and its placement. The software team continued working with Django and the web application mostly.

Members Present (Date of Meeting)

Meeting with Mr. Kargol - Members Present: Molly Schaeffer, Kaitlynn Kruse, Kyle Perkins, Brian Anderson, Jeffrey Neel, and Mohammad Darwish. This meeting, we updated Mr. Kargol on our current whereabouts of the project, what we plan to get done over spring break, and what we need to be prepared for after spring break.

Accomplishments of Past Week

This past week, we finished designing the PCB board and got it sent out for manufacturing. We also worked with our current RFID tag and found that if it is extended out from the aluminum frame of the bike with plastic, it will actually read. This needs more testing and further analysis on whether we want to still keep this tag and reader or try and find metal-mount ones.

Plan for Coming Week

This upcoming week, the hardware team will continue working with the RFID tag and reader, studying what other people with similar problems have done, and try to come up with a solution to this problem. The software team will continue work with the web, android, and server applications.

Pending Issues

- Deciding between a new metal mount RFID tag and reader or our current ones

Individual Contributions

- Jorden Studer - Continued work on Android Map directions and dealing with bugs.
- Brian Anderson - Finished PC board and tested the RFID tag when encased in a plastic replacement.
- Jeff Neel - continue reasearch on Iowa State systems and developed web application
- Mohammad Darwish - worked on server configurations
- Kaitlynn Kruse - Continued working on the Contact Request and Maintenance Request pages.
- Kyle Perkins - Finished PCB board, worked with RFID tag and reader
- Molly Schaeffer - Attended meeting and continued work on dock and station pages in web app.

Individual Hourly Contributions

Team Member	Weekly Hours	Cumulative Hours
Jorden Studer	4	34
Molly Schaeffer	10	50
Kaitlynn Kruse	7	39
Kyle Perkins	4	38.5
Brian Anderson	4	38.5
Jeffrey Neel	5	38
Mohammad Darwish	2	28