

Weekly Report 7 (2/25/16)

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

Members / Group Rules

- Jordan 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, our team continued work on the website, android app, and server. The hardware team also continued to research and investigate which RFID reader and tags would work best with the system. This involved researching and asking questions online, as well as consulting our advisors and other faculty.

Members Present (Date of Meeting)

Meeting with Dr. Mina (2/26/16) Members Present: Brian Anderson and Kyle Perkins. In this meeting the hardware team discussed our issues with the bike and bikestand RFID reader and tag. The RFID tag is mounted on metal on the bike, and the RFID reader is surrounded by metal in the bikestand, so overcoming these issues has been a sticking point. We discussed our different options and how to go about getting more information on the subject.

Accomplishments of Past Week

This past week, we had our meeting to discuss the RFID reader and tag and how we should go about investigating our different options and deciding on a best fit. We also continued work on the website, android app, and server in hopes of tying these pieces of software together with the hardware sometime in the following weeks.

Plan for Coming Week

Our plan for the upcoming week involves researching more about the RFID reader and tag and trying to figure out a more permanent solution to that problem. We are also still working on drawing up a PCB board for the power lines in the bike stand. The software team will continue development on the user and admin sites, the app, and the server.

Pending Issues

- Tying the software together with the hardware
- Resolving our RFID reader and tag issues
- Finish PCB board

Individual Contributions

- Jorden Studer - Continued work on Android applications, getting map working
- Brian Anderson - Attended meeting with Dr. Mina, clarified concepts for using RFID
- Jeff Neel - continual developement on web application and setting up server environment to start building ansible tower and playbook
- Mohammad Darwish - continued working on the admin web pape developement.
- Kaitlynn Kruse - Fixing dev server issues. Working on Django base app to be utilized in admin/user.
- Kyle Perkins - Attended meeting with Dr. Mina, discussed solutions and ideas for the RFID reader and tag.
- Molly Schaeffer - Working on completing tying the main administrative pages into the database. Debugging dev server issues.

Individual Hourly Contributions

Team Member	Weekly Hours	Cumulative Hours
Jorden Studer	4	23
Molly Schaeffer	8	30
Kaitlynn Kruse	7	25
Kyle Perkins	2	31.5
Brian Anderson	2	31.5
Jeffrey Neel	6	27
Mohammad Darwish	4	23