

Weekly Report 12 (3/31/16)

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 main point of focus for both teams was to get our presentation put together and organize the different parts of our project. We also tied together the basic functionality of the hardware and software so that transactions (checking in and checking out a bike) appears on the web application after going through the server. This way, we can keep track of who checks out which bikes at which docking stations and also which docking station the bike is returned to.

Members Present (Date of Meeting)

Presentation Meeting (March 31) - Members Present: Jordan Studer, Molly Schaeffer, Kaitlynn Kruse, Kyle Perkins, Brian Anderson, Jeffrey Neel, Mohammad Darwish. This meeting was to give a mock presentation to our professor to show how our final presentation will be, receive feedback, and answer any questions about our project.

Accomplishments of Past Week

This past week we began integrating the software with the hardware, which was actually a fairly smooth process due to our extensive preparation on both the hardware and

software sides. Bike transactions now show up correctly on the website now whenever they occur. The Android app has also made progress and has map functionality with nearby stands and their current levels of fullness.

Plan for Coming Week

This upcoming week we will continue integration of the hardware and software. We are also in the progress of rewriting the code on the PI to make it easier to follow and change in the future. The software team will be continuing work on the web applications, server, and Android app.

Pending Issues

- Rewriting the old PI code to make it as easy to follow and simple as possible
- Further integration of hardware and software
- Designing a plastic piece to mount on the bike and hold the RFID tag in place

Individual Contributions

- Jordan Studer - Worked on presentation and got API calls correctly working on Android
- Brian Anderson - worked on the presentation and began work on writing the stand code from the ground up.
- Jeff Neel - worked on presentation and rewriting the code for the stand to make it more functional, reliable, and easier to interface with the server
- Mohammad Darwish - Worked on improving the CSS for the web application
- Kaitlynn Kruse - Worked on presentation and worked on a base template
- Kyle Perkins - Presentation Meeting, began rewriting some of the old PI code
- Molly Schaeffer - Working on presentation, working on REST API for adding & listing contact & maintenance requests, getting dock to work with REST API for check in and check out.

Individual Hourly Contributions

Team Member	Weekly Hours	Cumulative Hours
Jorden Studer	8	56
Molly Schaeffer	12	85
Kaitlynn Kruse	7	65
Kyle Perkins	3	45.5
Brian Anderson	3	45.5
Jeffrey Neel	12	68
Mohammad Darwish	4	39