

# Weekly Report ELEVEN (Nov. 17, 2015)

---

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 hardware team worked on testing the RFID reader and trying to make that work with the current system as well as did heating tests with the bike-stand components to make sure they could withstand Iowa summers. The software team continued work on admin and user web-pages, the server, and the android app.

## Members Present (Date of Meeting)

Meeting with Prof Kargol (Nov. 16, 2015): Members present - Molly Schaeffer, Brian Anderson, Jeff Neel, Mohammad Darwish, Kaitlynn Kruse, Kyle Perkins. Updated Prof Kargol on the status of the project and what we will be working on in the next couple weeks before the end of the semester and the presentation. The hardware team updated everyone on the progress with fixing the RFID reader issues.

## Accomplishments of Past Week

The hardware team finished heating tests with the components that will be used in the bike stand. Progress was made with the RFID reader, but work still needs to be done

with it. The hardware team also looked at what would be required for fabricating a PCB for all connections in the bike-stand. The software team has continued work on getting the server up and working with the admin and user pages, and google maps functionality is being added to the android app.

### **Plan for Coming Week**

The plan for the coming week is to continue working with the RFID reader and get it to be able to scan a reasonable distance. We will also begin work on designing the PCB. Google Maps functionality will be added to the android app, and the admin and user pages, as well as the server, will continue to be worked on.

### **Pending Issues**

- Getting the RFID working to scan a reasonable distance
- Learning the process for designing/fabricating a PCB
- Getting Google Maps implemented and adding basic functionality to the android app
- Getting the server up and running with the rest of the system

### **Individual Contributions**

- Jordan Studer - Started Android App Shell for the application, created the map system to view docking stations, started looking at database structure for project, and documented everything that needs to be completed for the prototype by presentation.
- Brian Anderson - Worked to test a new configuration for the RFID reader and did heat tests on the raspberry pi board
- Jeff Neel - worked on RFID testing and developing server infrastructure
- Mohammad Darwish - worked on creating the web application user interface
- Kaitlynn Kruse – Started working on the Android App Shell for the application, working with Google maps, looked at database structure
- Kyle Perkins - Did heat tests, worked with the RFID reader
- Molly Schaeffer - Attended meeting with Prof Kargol, worked on Python tutorials

## Individual Hourly Contributions

Team Member	Weekly Hours	Cumulative Hours
Jorden Studer	3	25
Molly Schaeffer	2	26
Kaitlynn Kruse	2	26.5
Kyle Perkins	2	30
Brian Anderson	3	31
Jeffrey Neel	4	41
Mohammad Darwish	3	30