sdmay18-21: Smart Laundry Planner
Week 1 & 2 Report
January 08 - January 24

Team Members

Yazan Okasha — *Hardware Engineer*
Almedin Mulalic — *Backend Engineer*
Nathan Francque — *Hardware Engineer*
Grant Wanderscheid — *Team Lead and Mobile Development Engineer*
Lily Mosman — *Backend Engineer*
Jay Sanborn — *Mobile Development Engineer*
Devesh Mohan - *Hardware Engineer*

Summary of Progress this Report

During this first reporting period of the semester we acquired a new team member. Devesh met with us as a team and also separately with the hardware team to be brought up to speed for what he is going to be working on. He and the hardware team were able to do some parts research and ordered some components that they think could finally lead to a successful sensing device. Yazan was also able to set up a machine sensing device data simulator so that other memebers of the team could have live/changing emulated data in the database to work with for things such as scheduling when we get to that stage soon. During this period the database team was also able to further develop some UI features for use within a web console and the mobile application. Finally, the mobile application's google maps page was the main focus for the mobile development team the past two week. Multiple changes and improvements have been made to that page within the mobile application.

Pending Issues

- Waiting for parts – Hardware Team
- Having some build issues in android studio – Jay
- Thinking about scalability of interactive store map page - Lily

Plans for Upcoming Reporting Period

Obtain parts and real sensor sample data to process and store in database – Hardware Team
Get flip animations done on the machines page of app – Jay
Continue the interactive store map development and be able to parse/use database data correctly – Lily
Clean up software for data simulator and local server – Yazan
Add animated swipe to delete functionality and fix the default store selection upon deletion – Grant
Talk with team to see if scheduler should be done next and do what is decided - Almedin

Individual Contributions

Team Member	Contribution	Report Hours	Total Hours
Yazan Okasha	- Ordered parts - Developing sensor device data simulator	8	8
Almedin Mulalic	Developing UI for web console analytics	5.5	5.5
Nathan Francque	- Discussed new plan for sensor system with hardware team - Ordered parts - Started plans for making the Express app into an Electron app	4	4
Grant Wanderscheid	- Sensor research - Google maps page development - Adding a settings switch to view "all stores" or "my stores" - Updated some functionality of the page - Code documentation - Info window button research and implementation for adding locations from there	14.5	14.5
Lily Mosman	Development on interactive store map, it now connects to the database and can parse its data	5	5
Jay Sanborn	Android studio build fixes	2	2
Devesh Mohan	- Researched current sensors and use cases/conditions - Ordered parts	3	3