

sdmay18-21: Smart Laundry Planner

Week 13 & 14 Report

April 5 - April 20

Team MembersYazan 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

This reporting period has consisted of wrapping up our project. Everything has been finalized so it can be presented on and showed off. The hardware team has done a lot of testing in order to find some bugs within the Arduino code and fix them. The mobile and backend team have been cleaning up their code and UI's as well getting them into a finalized presentable state. During this reporting period a considerable amount of time was also spent working on documentation. All of the documentation will be available on our team's webpage in the coming days.

Pending Issues

- NA
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Plans for Upcoming Reporting Period

NA

Individual Contributions

Team Member	Contribution	Report Hours	Total Hours
Yazan Okasha	<ul style="list-style-type: none"> Finalized the client-side server node js portion Testing and cleanup of Arduino sensor code Additional group documentation reviews 	18	69
Almedin Mulalic	<ul style="list-style-type: none"> Finalizing of the weighted averaging of machine usage algorithm Additional group documentation reviews 	5	47.5
Nathan Francque	<ul style="list-style-type: none"> Finalized electron desktop application Integrated graphics into electron app Tested washer/dryer sensing algorithm Fixed various bugs in Arduino sensing algorithm and electron app Discussed improvements for the averaging algorithm used for predictions Added status LEDs to device and worked on the device enclosure Additional group documentation reviews 	18	48
Grant Wanderscheid	<ul style="list-style-type: none"> Documentation drafting and revisions Changes to the android code/UI to finalize it for demo Made the store to use suggestion page “smarter” using database cycle information data Additional group documentation reviews 	9	89
Lily Mosman	<ul style="list-style-type: none"> Finalized the interactive store map Final report formatting Additional group documentation reviews 	10	49
Jay Sanborn	<ul style="list-style-type: none"> Poster creation Poster revisions Additional group documentation reviews 	12.5	42
Devesh Mohan	<ul style="list-style-type: none"> Finished sensor testing (including washer cycle tests on multiple washers) Drilled, painted, and completed box enclosure Verified washer cycle information using mobile app (more testing on full data pipeline) 	20	54.5