

**sdmay18-21: Smart Laundry Planner**

Week 8 Report

October 18 - October 25

**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*

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**Summary of Progress this Report**

This week progress has been made within the mobile app with the continued development the machines visual analytics page. Development has also continued the google maps page to reflect the store locations that are in the database for each store. The hardware team has further coupled their developed code to allow the setup and use of a client server. They have also begun the node.js code development that allows the sending of data from the local server to the central database.

This week everyone on our team met to discuss how they were coming along with their goals. This gave each leg of our team the opportunity to see the current state of the project as a whole. We are working closely together more and more as the different project components we have been developing near the point to communicate with each other. We have made a goal to be able to sense data on the hardware team's developed device and be able to see some form of its data within the mobile app. We aim to be able to do this within the next week to show our client (Mr. Trajcevski) the progress we have made a whole thus far.

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**Pending Issues**

- Waiting to receive new sensors –Hardware Team
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**Plans for Upcoming Reporting Period**

Work on creating UI for client allowing a user to clearly see data from the WIFI connected hardware -Almedin

Continue development of visual analytics card views in mobile app -Jay

Add functionality in google maps page and fix some bugs within mobile app -Grant

Help with documentation revisions and continue interactive store map research -Lily

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**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Yazan Okasha	<ul style="list-style-type: none"><li>• Got python script working without errors</li><li>• Updated Arduino code to match python communication</li></ul>	4	44.75
Almedin Mulalic	<ul style="list-style-type: none"><li>• Finished integration of Firebase with node.js code</li></ul>	3	22
Nathan Francque	<ul style="list-style-type: none"><li>• Researched and found new sensors to purchase</li></ul>	2	27
Grant Wanderscheid	<ul style="list-style-type: none"><li>• Documentation revisions</li><li>• Added more functionality to store selection page in mobile app</li><li>• Added functionality for google maps page markers</li><li>• Database storage revisions</li></ul>	8.25	64.75
Lily Mosman	<ul style="list-style-type: none"><li>• Continued Interactive store map research</li><li>• Updated database diagram for use within documentation</li></ul>	2	22.5
Jay Sanborn	<ul style="list-style-type: none"><li>• Worked on developing android machine visual analytics page</li><li>• Documentation revisions</li></ul>	6	26.25