
sdmay19-13: Small Equipment Checkout System

Week 9 Report

April 15 - April 21

Client & Advisor:

Leland Harker

Team Members

Yimin Wang — *Hardware team (Chief Manager)*

Fengnan Yang — *Hardware team (Hardware Reporter and Meeting Manager)*

Jiaxin Li — *Hardware team (Treasurer)*

Caining Wang — *Software team (Software Reporter)*

Summary of Progress this Report

In this week, the hardware group rebuilt the Master Device circuit on breadboard and connected with Slave Device PCB and adjusted the OWFS config file, ensured the communication between hardware. At end of week, they combined the master and slave device together and finished the test. For the software group, they reset owfs.config file with hardware group, figured out how to install ow-shell package when the package is not available from apt-get list. Also, we started to write the final project report and poster.

Pending Issues

1. Finalize the whole project, and fix bugs.
 2. Frontend still can't send the correct request to the backend
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Plans for Upcoming Reporting Period

1. Connect master circuit with all slave PCB and test if they can communicate well.
 2. Use the website to control the hardware.
 3. Fix the bug that frontend doesn't send the correct request to the backend.
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Individual Contributions

| Team Member | Contribution | Weekly Hours | Total |
|-------------|--------------|--------------|-------|
|-------------|--------------|--------------|-------|

| | | | Hours |
|--------------|---|----|-------|
| Jiixin Li | <ol style="list-style-type: none">1. Rebuilt the Master Device circuit on breadboard and connected with Slave Device PCB.2. Resoldered the LED and Ds2408 for our problematic PCB to make sure each of them works. | 10 | 136 |
| Yimin Wang | <ol style="list-style-type: none">1. Built the master circuit on the breadboard with the new master device.2. Worked on the OWFS config file, ensured the communication between hardware. | 10 | 134 |
| Caining Wang | <ol style="list-style-type: none">1. Work with teammates to write final report.2. Reset owfs.config file with Yimin, figured out how to install ow-shell package when the package is not available from apt-get list.3. Modified owfs.js file to suite new hardware design, so website can communicate with hardware. | 8 | 134 |
| Fengnan Yang | <ol style="list-style-type: none">1. Built and tested master device on a breadboard.2. Combined the master and slave device together and finished the test.3. Finished project poster design. | 7 | 130 |

Gitlab Activity Summary

Nothing to report.
