sdmay19-13: Small Equipment Checkout System
Week 10 Report
November 19 - November 30

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)*
Bei Zhao — *Software team (Secretary)*

Summary of Progress this Report

During this week, our software team enabled the web application to communicate with the OWFS via FQDN and solved the IP host problems to make the previous team server work as it supposed to do. At the same time, our hardware team assembled all the circuit together and tested it. Besides this, the whole group members improved our design document and project plan and edited the final presentation powerpoint.

Pending Issues

1. Obtain our own team server.
2. Implement corresponding lockers' control in the web application with the address of lockers.
3. Figure out how to set up the firewall for the OWserver.
4. Figure out how to set up auto-popup for the web application.
5. Connect the Android application with database.
6. PCB design

Plans for Upcoming Reporting Period

Our team is planning to work on the preparation of the final presentation of the whole semester. Firstly, We will revise our project plan and design document and record the videos of our software and hardware implementation. Then, we will edit and finish our powerpoint for our final presentation and separate the tasks of speech among our teammates. One day before the presentation date, we will rehearse our presentation in front of our adviser and obtain some suggestions on that. Before Friday, every team members will submit the peer evaluation form to Canvas.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Bei Zhao	1. Enabled the web application to communicate with the OWFS via FQDN. 2. Allowed the previous team web application server connected. 3. Composed my portion of weekly status report 10. 4. Finished the final version of the project plan with other teammates.	15	81
Jiaxin Li	1. Combined all hardware circuit. 2. Tested the result for connection between final prototype circuit and OWFS. 3. Worked on rest documents.	6	75.5
Yimin Wang	1. Connected the whole door detecting circuit with other hardware parts 2. Did the final test while connecting to the Raspberry Pi. 3. Finished all documents.	6	80
Caining Wang	1. Tried to run Android Virtual Machine on the raspberry pi, but meet a serious problem that raspberry pi is not powerful enough to run a Virtual Machine. 2. I asked my professors to get help with the problem, but with all these help, it still cannot be solved, because it's a hardware restrict. 3. Worked with Bei to solve the IP host problems. 4. Learned Json data structuring, and how to react Json server works.	10	74
Fengnan Yang	1. With Jiaxin Li and Yimin Wang, we assembled the door detecting circuit and control circuit together and tested it to make sure it is working. 2. Written the design document. 3. Finished the final presentation PowerPoint with others group members.	10	76

Gitlab Activity Summary

Nothing to report.