

sdmay19-13: Small Equipment Checkout System

Week 1 Report

February 4 - February 10

Client & Advisor:

Leland Harker

Team MembersYimin 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, our group getting start to do the second half of our senior design based on the previous semester's work. One of the biggest issue is our group lost the only person, Bei Zhao who has the background of the Web design experience. We discussed with the client and class instructor to seeking a solution. Our hardware team keep working on the test of the banana board of our door detecting and control circuit and start to build the PCB. Our group meet together and make a new work schedule of the new semester and discuss with Harker.

Pending Issues

1. In this semester, we lost one of the group member, Bei Zhao, the only person in our group who is familiar with Web development. We need to discuss with our client and Senior Design instructor to looking for a further solution.
 2. Obtain our own team server.
 3. Implement corresponding lockers' control in the web application with the address of lockers.
 4. Figure out how to set up the firewall for the OWserver.
 5. Figure out how to set up auto-popup for the web application.
 6. PCB design
 7. Firewall for the web application is not set correctly.
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Plans for Upcoming Reporting Period

1. Meeting with the client and Senior Design instructor to find out solution of the group member lost situation.
2. Obtain our own team server.
3. Implement corresponding lockers' control in the web application with the address of lockers.
4. Figure out how to setup the firewall for the OWserver.
5. Figure out how to set up auto-popup for the web application.
6. Connect the Android application with database.

7. PCB design
8. Connect to previous team's server.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Jiixin Li	<ol style="list-style-type: none"> 1. Tested the circuit for hardware locking system from the previous semester and figured out the other reasonable solution that we could use for improving our product. 	4	79.5
Yimin Wang	<ol style="list-style-type: none"> 1. Discussed in the group and with the client about the situation that the only team member who is good with JavaScript has quit the team for an internship. 2. Setup the circuit we designed last semester and tested. 3. Made plan with all team members and decided to finish designing and start to order the PCB by March. 	4	84
Caining Wang	<ol style="list-style-type: none"> 1. Communicate with Bei Zhao who was working on web application but left in this semester. 2. Follows Bei's suggestion, started to learn javascript, node.js and react.js. 3. With the help from Bei, enabled the web application to communicate with the OWFS via FQDN. 	5	79
Fengnan Yang	<ol style="list-style-type: none"> 1. Tested the door detecting circuit and control circuit together with Jiixin Li and Yimin Wang. 2. Sent email to schedule a meeting time with Harker. 	2	78

Gitlab Activity Summary

Nothing to report.

