sdmay19-13: Small Equipment Checkout System
Week 2 Report
February 11 - February 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, our group start to design PCB based on our door detecting and control banana board. Also started finding parts online that can work with our circuit design and have a suitable size. We discussed with several PCB manufacturing about the PCB produce period and price. At the same time, the software team keep touching with Bei Zhao to try to figure out improvement of Web application. Added the e-mail address col to the manager's table in the database.

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

Plans for Upcoming Reporting Period

1. PCB design
2. Finding the PCB manufacturing and discussing about the PCB build period and price.
3. Figure out how to design and improve the web design application.
4. Obtain our own team server.
5. Connect the Android application with database.
6. Apply our own server and transfer the data to the new server.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Jiaxin Li	1. Rechecked the design file from the last semester to make sure everything works fine and prepare to find suitable components to make a PCB rather than the prototype on the banana board. 2. Checked all the components we need to use on the PCB and planned to order a new part for the 1-wire system and test it to see how it works.	5.5	85
Yimin Wang	1. Tested the design for the lock-detecting circuit from last semester. And made little modification to improve it. 2. Started PCB design for the detecting circuit. Also started finding parts online that can work with our circuit design and have a suitable size.	4	88
Caining Wang	1. Set the correct port and IP address for the firewall. 2. Connected to the previous team's server. 3. Added the e-mail address col to the manager's table in the database.	5	84
Fengnan Yang	1. Discussed with several PCB manufacturing about the PCB build period and price. 2. Meeted with Harker and discussed the schedule for hardware development in this semester.	5	80

Gitlab Activity Summary
Nothing to report.