sdmay19-13: Small Equipment Checkout System
Week 1 Report
September 3 - September 10

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

We have met with our project group and client/advisor Leland Harker, and discussed the scope of our group project with him. Because our project is inherited from the previous team project, Harker has introduced what the previous group has done to us and described some new requirements and ideas that our group need to achieve in this semester. After that, our group held first meeting in TLA to discuss our group meeting roles and made a fundamental monthly plan to keep our project fluid. What's more, during the meeting, we decided each group member's responsibility. For example, we separated our project group into two small teams, including software and hardware to make sure everybody in our group is not working alone. Last but not the least, we have brainstormed feasible ideas towards our group project.

Pending Issues

1. Choose Software platform
2. Find the function of the level shifter
3. Learn how to control one-wire register

Plans for Upcoming Reporting Period

1. Bei Zhao, Caining Wang: Decide the Software platform
2. Jiaxin Li, Yimin Wang: Learn how to use Raspberry Pi
3. Fengnan Yang: Set up group meeting time and write group weekly report
4. The Whole Team: Test previous group achievement including hardware part and software part.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Fengnan Yang	1. Took notes during the meeting with the	6	6

	client. 2. Watched some videos and read some papers about how to use Raspberry Pi. 3. Built the Senior design group official website.		
Jiaxin Li	1. Acquired the circuit and plastic box which made by the previous team from the advisor 2. Got the new model to think about the totally new design to resize the circuit.	6	6
Yimin Wang	1. Did some researches on the one-wire device and the functionality of the desired product. 2. Did some researches on door detecting function.	6	6
Caining Wang	1. Got the detailed needs for the project in the first meeting. 2. Checked previous team's work and found out what more functions needed to add to meet the project requirements. 3. Did research online for the advantages of different platforms.	6	6
Bei Zhao	1. Looked through previous team project and help to figure out the software platform. 2. Attended the weekly group meeting and get familiar with the needs of the client. 3. Worked on the team reflection assignment 1: Team expectation and setting roles with other team members and write my portion of weekly status report 1. 4. Worked on the Powerpoint of the first Lightning Talk Presentation.	6	6

Gitlab Activity Summary

Nothing to report.