

sdmay19-13: Small Equipment Checkout System

Week 5 Report

March 11 - March 17

Client & Advisor:

Leland Harker

Team MembersYimin Wang — *Hardware team (Chief Manager)*Fengnan Yang — *Hardware team (Hardware Reporter and Meeting Manager)*Jiixin Li — *Hardware team (Treasurer)*Caining Wang — *Software team (Software Reporter)*

Summary of Progress this Report

In this week, our hardware group finished to test our new slave device circuit on the breadboard. Then, they built and ordered the PCB version 2. For the software group, they added new route to new GridList. Also, they added a new file called index.js to be the homepage. In the end, they added new routes to login as Administer or return equipment.

Pending Issues

- 1.
 2. The logic and routes for creating record and report are not correct.
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Plans for Upcoming Reporting Period

1. Solder and test the PCB version 2
 2. Add new routes for creating record and report after checkout.
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Individual Contributions

| Team Member | Contribution | Weekly Hours | Total Hours |
|-------------|---|--------------|-------------|
| Jiixin Li | 1. Created the PCB shape for some special | 7 | 100 |

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|--------------|---|---|-----|
| | <p>component that is not in the library, such as Slave Device and Hall-Effect sensor.</p> <ol style="list-style-type: none">2. Figured out the package number for each component to fit into the size of our PCB outline. | | |
| Yimin Wang | Designed PCB version 2 | 4 | 98 |
| Caining Wang | <ol style="list-style-type: none">1. Added new route to new GridList.2. Added a new file called index.js to be the homepage.3. Added new routes to log in as Administer or return equipment.4. Changed routes and logic in App.js so the checkout process meets new requirement. | 7 | 102 |
| Fengnan Yang | <ol style="list-style-type: none">1. Tested our slave circuit version 2 on the breadboard.2. Discussed with Harker about the new slave circuit.3. Finished up PCB version 2 design.4. Ordered PCB and components online. | 8 | 100 |

Gitlab Activity Summary

Nothing to report.
