**sdmay19-36: IoT sensor integration and back-end development for Sequoia**
Week 15 Report
February 28– March 6

## Advisor
Daji Qiao

### Team Members
Michael Ludewig — *Meeting Facilitator*
Justin Somers — *Gitlab Administrator*
Josh Lang — *System Architect*
Josh Hatton — *Scrum Master/Website Manager*
Cody Brooks — *DevOps Lead/Report Manager*
Guan Lin — *Testing Lead*

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### Summary of Progress this Report
During the last week we continued to move forward on all parts of our project. We installed one of our smart plugs in our client's office to have real data generated and test to make sure everything is working before we install it in the test environment. We got the flow meter to send data to the server successfully. We cleaned up the android app to display the data from the flow meter, and we started development on both the front end and the backend for the smart watch.

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### Pending Issues
One big issue that we are working on at this point is that we still don't have the RightMider API documentation, and it is starting to get to the point where we will not have time to finish everything that needs to get done with it. Another issue we are working through is getting our app installed and working on the smart watch. A third and final issue that we are working on is that pi that the flow meter is on is not booting up correctly.

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### Plans for Upcoming Reporting Period
We will continue to monitor the smart plug to make sure everything is working well. We will also get some prototypes for the front and back end of the smart watch code to start testing. The final thing the we will work on is starting to put the layouts for the smart watch data in Android.

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### Individual Contributions

| Team Member | Contribution | Weekly Hours | Total Hours |
|---|---|---|---|
| Michael Ludewig | Clean up flow meter display on app | 8 | 84 |
| Justin Somers | Patching smart plug script | 6 | 97 |
| Josh Lang | Smart Watch front end development | 7 | 65 |

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| Josh Hatton | Test environment set up | 5 | 79 |
| Cody Brooks | Created skeleton code for backend smartwatch | 4 | 62.5 |
| Guan Lin | Debugging and adding logs to flow meter | 6 | 76 |