

**sdmay19-36: IoT sensor integration and back-end development for Sequoia**

Week 11 Report

January 31 – February 6

**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***Summary of Progress this Report**

During this reporting period we worked on getting the end points for the Android application established so we could display the events on the app. We also worked on adding a duration item to the data that the smart plug gives so we know how long a plug was active for. The third big thing we worked on this week was talking with our client to understand where the previous 492 group left off, and what the final scope of our project would be.

**Pending Issues**

The two biggest issues that we are working with is making the data types of the event in the Android app match the data the plug is giving us, so it can be displayed, and adding a circuit to the Pi attached to the flow meter so it has enough power to power both flow meters.

**Plans for Upcoming Reporting Period**

For the upcoming reporting period we plan to work to change the current flow meters that we are using with very similar food safe flow meters since they will be used in the kitchen. We also going to work on adding the duration field to the smart outlet data, and getting the data to display on the android app.

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Michael Ludewig	Work on the Android app view	6	58
Justin Somers	Fixed the logs for smart plugs to see errors, and refined git repository	6	75
Josh Lang	Smart watch development prep	4	48
Josh Hatton	Fixing the time date issues with smart plug code	4	54
Cody Brooks	RightMider Research	4	47.5

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Guan Lin	Work on flow meter calibration	5	52

**Gitlab Activity Summary**

Nothing to report.

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