sdmay19-36: IoT sensor integration and back-end development for Sequoia
Week 17 Report
March 14 – March 28

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*

Summary of Progress this Report
During the last reporting period our group continued to make progress on all parts of the project. We got the smart plug installed in the piolet program, and the data the was being generated was correct from both plugs. We also continued to integrate the flow meter into the system by having the data be sent to the local hub pi. We also fixed some threading issues with the Android app.

Pending Issues
Two big issues we are working on at the moment is figuring out the best way to send data from the smart watch to the backend server and database for storage, and getting all the flow meter calibrated for instillation.

Plans for Upcoming Reporting Period
During the upcoming reporting period we plan to get the flow meter installed in the piolet program. Get the smart watch to send data to the server, and start to plan what we will do for our final presentation and poster.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Ludewig	Resolved Android app threading issues	5	93
Justin Somers	AWS management	3	105
Josh Lang	Smart Watch app development	4	74
Josh Hatton	Installed smart plugs at Bob's	4	93
Cody Brooks	Smartwatch backend implementation	3	68.5
Guan Lin	Logging and error catching for flow meter,	10	91

	and soldering circuits to new PI		