sdmay19-36: IoT sensor integration and back-end development for Sequoia
Week 10 Report
November 19 - November 29

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 this reporting period for the smart plug we worked on setting up the spring instance for the smart plug that will be used to send data to the server, and integrating our code into the already existing AWS server. For the Android app we worked on setting up everything that we needed to display the smart plug data so when we get data from the smart plugs we will be able to display it on the app, and got the flow meter put together so it can be calibrated.

Pending Issues

The biggest issue that we are encountering is being able to make the code on the sensor hub for the smart plugs to run continuously, and restart itself when the code fails.

Plans for Upcoming Reporting Period

To close out the semester we plan on continuing to work on the smart plug to get it up and running early next semester, Calibrate the flow meter so we it can be installed early next semester, and get everything prepared to start working on the smart watch programs when it gets here next semester, and to start working with the Red Point Positioning API.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Ludewig	Work on the Android app view	6	53
Justin Somers	Spring Instance for smart plug	15	69
Josh Lang	Smart watch development prep	4	42
Josh Hatton	Set up server instance from smart plug	6	50
Cody Brooks	NodeJS smart outlet work	5	43.5

Guan Lin	Work on flow meter	8	47

Gitlab Activity Summary
Nothing to report.