sdmay19-36: IoT sensor integration and back-end development for Sequoia
Week 6 Report
October 9 - October 17

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

Summary of Progress this Report
Over this reporting period the group worked on two main tasks. The first was to look into/write skeleton code for the smart plug the uses a different API that will allow us to be notified when the power through the socket reaches a certain threshold so we could send data to the server when an appliance turns on. The second group was working on doing final research for choosing the smart watch that would be best to use for the senior.

Pending Issues
The penning issues that we are working on is figuring out what features each of the smartwatches have without being connected to a smartphone. The other major issue that we are working on is that the smart plug that we chose can not connect to WiFi networks with certain security so we can't test the plug on ISU WiFi networks.

Plans for Upcoming Reporting Period
Our plans for the upcoming reporting period are to test code for the 2nd API for the smart plug to make sure that the subscriber service will work, and to make the final decision on the smartwatch that we will use for the senior so we can purchase it and begin programming for it, and testing it.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Ludewig	Researched Android fall detection API's	4	28
Justin Somers	Smart watch API research	3	31
Josh Lang	Smart watch research	4	25
Josh Hatton	Look into 2nd NodeJS API for smart plug	4	30
Cody Brooks	Researched other available smart plug API's	4	24.5
Guan Lin	Apple watch API research	4	23

Gitlab Activity Summary

Nothing to report.