

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

Week 4 Report

September 25 - October 1

Team MembersMichael 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 our team was working on three separate tasks. The first task was to work with our client to order the smart plug that we decided to use so we can start working with it. The second task was to research different solutions for tracking the seniors indoors with a smart watch. The third task we were working on was writing the project plan to formalize in writing our plan for the semester.

Pending Issues

Issues that we are still working on include writing code for the smart plug that will transmit that data properly, and getting in contact with the senior design group that is working on other parts of this project to make sure that we can integrate the system.

Plans for Upcoming Reporting Period

Our plans for the upcoming reporting period are to get in contact with the member of the other team who is working on the server so we can get code written for the smart outlet, and to continue work on researching the best smartwatch to use , and the solution for tracking the senior in their home.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Ludewig	Talked with our client about getting the smart plug ordered, contacted other team	3	18
Justin Somers	Apple Watch API research	3	21
Josh Lang	Bluetooth beacon tracking for Android research	5	15
Josh Hatton	Refining design diagram, and researched MQTT	5	20
Cody Brooks	Researched TP-Link Cloud API	4.5	15.5

Guan Lin	Research on Android Wear	3	14

Gitlab Activity Summary

Nothing to report.
