sdmay19-36: IoT sensor integration and back-end development for Sequoia
Week 19 Report
April 4 – April 10

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 we continued to make progress on all parts of our project. The smart watch was finished so that it successfully sends data about heart rate and step count to the server. The backend server is finished to receive and send data from the smart watch. The smart watch was completed to successfully receive and process data from the server. Finally, we finished the implementation of the flow meter.

Pending Issues
The two biggest issues that we are dealing with right now are trying to get all the main features of our project done before we record our final demo video this week, and not having clear guidelines about what needs to be done for our final presentation and report.

Plans for Upcoming Reporting Period
During the next week our group plans to put the final touches on the development of all our systems to have some time to test before our final projects. We are also planning to start working on our final poster and record our final demo video.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Ludewig	Implemented Android code for heart rate and step count	8	105
Justin Somers	Server management	4	112
Josh Lang	Smart Watch app design	5	83
Josh Hatton	Data visualization and backend maintenance	7	102

Cody Brooks	Backend development, integration and deployment	10	83.5
Guan Lin	Finishing up flow meter Implementation	7	101