

## EE/CprE/SE 491 WEEKLY REPORT WEEK 13

April 8, - April 14

Group Number: 14

Project Title: IoT Passive Monitoring of Assisted Living Homes

Client: Andrew Guillemette, Optical Operations

Advisor: Goce Trajcevski

Team Members/Role:

Trevor Henderson	--	Test Engineer
Nick Schneider	--	Meeting Scribe
Austin Kerr	--	Chief Engineer
Austin Sudtelgte	--	Chief Engineer
Ryan McCullough	--	Meeting Facilitator
Josh Blanck	--	Report Manager

### Weekly Summary

Met with Client on Sunday. Discussion focused on new diagrams desired by client, Greg's Presentation experience, and a brief overview on next semester goals. Met as a team Monday. Focused on bringing everyone up to speed on current progress, and goals for the Tuesday work session. Met with Advisor on Monday. Goce requested versions of our Project Plan and Design Document by Sunday, and advised us to pick up the pace on our presentation. Met on Tuesday for a work session. Met on Friday for another work session.

### Past week accomplishments

Trevor Henderson: Continued working on design document. Finished REST endpoints and database mapping for sensor information. Finished login endpoint for mobile application. Server is now deployed onto a web service and is accessible to the outside web. We also have a fully functioning database.

Nick Schneider: Continued taking meeting notes during all meetings and posting said notes on google drive. Continued to work on the android application and nearly achieved a working login screen. Began preparations for final presentation by working on presentation slides

Austin Kerr: Worked with the back end team to get the endpoints set up and began testing them. Worked on the registration page and connected it with the login page for the app.

Austin Sudtelgte: Worked to get flowmeter pushing data to local server. Fixed formatting issues with data being sent from both flowmeter and door sensor.

Ryan McCullough: finished connecting the local server to the cloud server and tested communication all the way down the line.

Josh Blanck: Worked on Sensor Pi and Local Server interaction. Worked on Design Document and Project Plan. Finished and submitted Weekly Report 12.

### Pending issues

None.

### Individual contributions

Name	Individual Contributions	Hours this week	Hours Total
Trevor Henderson	See past week accomplishments.	13	56.5
Nick Schneider		5	49
Austin Kerr		7	53
Austin Sudtelgte		10	57
Ryan McCullough		8	51
Josh Blanck		12	51.5

### **Plan for coming week**

Trevor Henderson: Continue working on final presentation and provide help with server if needed.

Nick Schneider: Continue working on final presentation and helping finish up loose ends on the software side of things

Austin Kerr: Finish testing endpoints and work with the team on the final presentation.

Austin Sudtelgte: Work on design document and final presentation. Begin work with load cells, time permitting.

Ryan McCullough: Work on documentation and project presentation.

Josh Blanck: Begin work on Final Presentation, Refine Project Plan and Design Document, assist where necessary on troubleshooting.