

EE/CprE/SE 492 WEEKLY REPORT WEEK 1/2

August 27 - September 7

Group Number: 14

Project Title: IoT Passive Monitoring of Assisted Living Homes

Client: Andrew Guillemette, Optical Operations

Advisor: Goce Trajcevski

Team Members:

Trevor Henderson

Nick Schneider

Austin Kerr

Austin Sudtelgte

Ryan McCullough

Josh Blanck

Weekly Summary

Week 1: Initial meeting with client on 8/28, focused on setting goals for this semester: (Integrating a camera into the toilet apparatus, shoring up the App UI/UX, adding in an administrative aspect) and plotting out a rudimentary schedule. Initial team meeting on 8/30, focused on planning for PIRM presentation, setting up advisor meetings, and figuring out clarifying questions for client (UI design specifics, additional camera input, heatmap clarification).

Week 2: Team meeting on 9/6, focused on division of labor and organizing our upcoming tasks.

Past week accomplishments:

Trevor Henderson: Started implementing a Spring Security Authorization service.

Nick Schneider: Setup Android environment. Took notes during meetings

Austin Kerr: Researched the lighting for cameras and found icons to enhance the UI for the app. Changed the format of the app to make it more modifiable in the future.

Austin Sudtelgte: Organize semester and get door sensor to run tests on

Ryan McCullough: Researched raspberry pi cameras and lights

Josh Blanck: Researched cameras, worked on Bi weekly report, tweaked some formatting on the team site

Pending issues

Trevor Henderson: Finalize authentication.

Austin Sudtelgte: Have not acquired the Raspberry pi or signal wire from client

Individual contributions

Name	Individual Contributions	Hours this period	Hours Total
Trevor Henderson	See past week accomplishments.	3	3
Nick Schneider		3.5	3.5
Austin Kerr		5	5
Austin Sudtelgte		6	6
Ryan McCullough		6	6
Josh Blanck		4	4

Plan for coming week

Trevor Henderson: Finalize authorization between rest endpoints. Look into AWS security measures.

Nick Schneider: Begin work on android app with Austin K. Assist team with documentation discussed with Client.

Austin Kerr: Going to work with Nick to break up what needs to be done for the app. Researching how to display a heat map in the app. Assist with camera decision.

Austin Sudtelgte: Finalize camera decision and test door sensors with length of wire.

Ryan McCullough: Continue looking into camera, catch up on the state of the sensors we worked with last semester.

Josh Blanck: Create Bi-weekly report 2 roughly in tandem with meetings/accomplishments, assist where needed