EE/CprE/SE 492 WEEKLY REPORT WEEKS 3,4
September 10, - September 21
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	-	Server Team
Nick Schneider	-	App Team
Austin Kerr	-	App Team
Austin Sudtelgte	-	Hardware Team
Ryan McCullough	-	Hardware Team
Josh Blanck	-	Hardware Team

Weekly Summary

Week 3: Met with client on Sunday, discussion focused on progress on app and camera. Met with advisor on tuesday, meeting focused on what our team should focus on, in terms of presentation. Security concerns was noted as one of the primary aspects to expand on. Met as a team on Thursday, discussed current progress on tasks, and how best to proceed on image capture.

Week 4: Client meeting was held at test environment, an apartment in Green Hills. Team members toured the apartment and documented via picture the layout and potential installation plans. Our team met with the secondary team; made introductions, briefly discussed respective roles in the project. Hardware team met with Matt (works with client) to discuss and review data collected from load cells. Met as a team on Thursday, discussed current progress with our respective tasks and plan for coming weeks.

Past period accomplishments

All: Tour prospective apartment to determine install locations and best testing practices
Trevor Henderson: Finished Authentication Service, worked on encrypted web token validation, began unauthorizing tokens after a set amount of time.
Nick Schneider:Continued to act as meeting scribe. Setup android environment for development.
Austin Kerr: Added a first pass of the heatmap to the app. Added icons to the app.
Austin Sudtelgte:Test Door sensors, research load cells, purchase camera and AWS account and deliberate deliverables with the client
Ryan McCullough: Finished researching cameras, looked at load cell software and data.
Josh Blanck: Created first bi-weekly report, began work on restructuring repository. Looked over load cell data.

Pending issues

Austin Sudtelgte: Not enough raspberry pi's to do complete testing

Individual contributions

Name	Individual Contributions	Hours this week	Hours Total
Trevor Henderson	See past period accomplishments.	5	8
Nick Schneider		4	7.5
Austin Kerr		4	9
Austin Sudtelgte		5	11
Ryan McCullough		4	10
Josh Blanck		4	8

Plan for coming period:

Trevor Henderson: finalize web token invalidation, restructure database schema to fit new data formats, begin prepping for background analytics.

Nick Schneider:Complete login tasks on android.

Austin Kerr: Discuss how data will be sent to the app for the heatmap. Fix the layout and create and adapter for the heatmap data points.

Austin Sudtelgte: Get multiple flow sensors working on one raspberry pi, install sensors in apartment, develop form for resident to fill out and perform validation on the collected data

Ryan McCullough: Work on hardware placement and sensor software.

Josh Blanck: Finalize restructure of repository, begin work on report 3.