EE/CprE/SE 492 BI-WEEKLY REPORT WEEKS 9-10
October 21, - November 3
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

Period Summary

Week 9: Had quick meeting 10/21 with client, confirmed log format and hardware necessary to proceed with install. Due to other exams, projects, and homework, little progress was made on project.

Week 10: 10/28 Touched base with client to report progress on install. Significant progress made on install, all pieces are in place, only testing is required. 10/29 - Install complete, all sensors transmitting data. Data collection has officially begun. 10/30 - Met with Advisor, focused on planning for the "late stage" of 492, i.e. the poster and presentation. 11/01 Met with advisor again, focused on planning out the remainder of the semester. Key points were to only perform work on project that will enhance our presentation, e.g., troubleshooting the outlier data values will not give good return for the effort put in, and so will be worked around instead of fixed. Met with client 11/4 - finalized schedule for remainder of semester and last deliverables to client: a means to look at the data in plain English, as opposed to strings of values, and the Event Identifier backend.

Past period accomplishments
Trevor Henderson: Collaborated with the app team to set up an endpoint that filters data based on date. Collaborated with the new Senior Design team to ensure that handing the rest of the code base goes smoothly. Helped sensor team with connection issues to the server.
Nick Schneider: Completed authentication for Android app. Helped install sensors in Bob's unit. Collected logs from Bob and troubleshooted sensors. Recorded notes during meetings.
Austin Kerr: Created an endpoint for the door sensors so that events could be viewed within a range instead of retrieving all the events. Added a dropdown menu in the app so the user can select the date range of door events to view. Added completed logs to google drive.
Austin Sudtelgte: completed install and began troubleshooting sensors
Ryan McCullough:
Josh Blanck: Completed Report 4, assisted with install, aided in schedule creation and task planning.

Pending issues
Ryan McCullough:

Individual contributions

Name	Individual Contributions	Hours this period	Hours Total
Trevor Henderson	See past period accomplishments.	13	40.3
Nick Schneider		10	34
Austin Kerr		11	38
Austin Sudtelgte		5	41
Ryan McCullough			36
Josh Blanck		10	30

Plan for coming period:

Trevor Henderson: Clean and comment code thoroughly. Update documentation and work on a tool for the client to better view data after the semester is over.
Nick Schneider: Clean android app code and create documentation said app. Help formulate event identifiers.
Austin Kerr: Document app code and add functionality to display string values instead of the sensor ids.
Austin Sudtelgte: work on documentation, and creating a demo setup. Also meet with the other team for a project handoff and work on poster/presentation
Ryan McCullough:
Josh Blanck: Report 6, look over design documents, aid with event identifiers.