

EE/CprE/SE 491 Weekly Report 3

Group 18

2/16/19 - 3/1/19

IoT Elderly Care Solution

Client: Andrew Guillemette **Advisor:** Daji Qiao

Team Members:

Jared Griffin:	Web App Engineer and GitLab Administrator	Siyuan Zeng:	Behavior Logic and Testing Engineer
Nidhi Dalvi:	Meeting Facilitator and Hardware Engineer	Robert Guetzlaff:	Hardware Engineer
Tyler Borchert:	Hardware and Testing engineer		

Weekly Summary: Focused more on project plan v1. Also, discussed post design reflection and weekly status reports as a team. Updated the senior design website. Did some research on wireless solution. Started working on the web app project setup file.

Past Week's Accomplishments: For now the door sensors work fine with the given prototype. Updated the website. Completed project plan v1 with discussing post design thinking reflection and status reports 2 and 3.

Pending Issues: Meet with the client to talk with the green hills client on this coming sunday to get a better idea on the project. Working on the web app project setup ,reached out to ETG about CI on GitLab, working with them to resolve issues around it.

Individual Contributions:

Member Name	Individual Contributions	Hours this Week	Cumulative Hours
Jared Griffin	Attended weekly team and advisor meetings.	8.5	19

	Worked on project plan v1 and status report 3. Setup web app file structure, node versioning, and documentation. Began communicating with ETG on CI pipeline issues; actively working with them to resolve.		
Siyuan Zeng	Attended all the weekly meeting. Worked on project plan v1 and weekly summary. Study on the design thinking & workshop. Setup the spring framework for the logic and prepared for implementing.	8	17
Nidhi Dalvi	Attended weekly team and advisor meetings. Worked on project plan v1 and weekly status reports 2 and 3. Helped Tyler with the prototype.	8	18
Robert Guetzlaff	Attended weekly team and advisor meetings. Worked on project plan v1. Outlined potential wireless sensor solution	8	19
Tyler Borchert	Attended weekly team and advisor meetings. Helped Jared test the web app documentation. Ran more tests with prototype that Nidhi helped me with. Currently looking into how to make the code run without any interruption (like power).	8	19

Plans for the Upcoming Week: Make a list of events related to the drawers. Start working on the logic. Build a diagram of the apartment with sensors to get a better idea of the project.

Summary of Weekly Advisor/Client Meeting: Discussed project plan v1 in detail with hardware, logic and web application milestones and also technology considerations and logic implementation. Talk about wireless solution and considerations and what are we currently researching on the project(wireless adaptor and microcontroller).Discussed when to meet with the client and the other group member.