

# EE/CprE/SE 491 Weekly Report 7

Group 18

4/6/19 - 4/12/19

IoT Elderly Care Solution

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

## **Team Members:**

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

**Weekly Summary:** This week we met with the client and other team and discussed presentation slides as well as the demo for final presentation. Also Nidhi and Tyler discussed about finding a solution for wireless solution. Jared worked on setting up state management and started working on UX mockups for final presentation. Robert and Siyuan worked on implementing the logic side, modified meal survey and collated previous groups survey data.

## **Past Week's Accomplishments:**

Tyler:

- Researched Wireless solutions
  - Discussed with our advisor about one solution
    - Suggested against it due to reliability issues from personal experience.
  - Looked into SDK of one other possible solution
    - Discovered that we can do some calls to the third party server.
  - Need to bring down the prices on our solutions
    - Will research further.

Robert: Modified survey and collated previous survey data.

Siyuan Zeng: Working on logic server.

- The client indicates that the toaster and microwave data are somewhere in the database and it could help to implement the logic for behavior analyze. So I tried to found them in the database and look at its construction.

Nidhi: Researched wireless solutions. Worked on final presentation slides.

- Discussed with our advisor about one solution

Jared:

- Finished setting up state management
  - Finished configuring our state management library
  - Added state handling for the user's drawer data
- Began building out an overview page
- Began working on mockups for next semester

**Pending Issues:** Tyler and Nidhi: Find out the best wireless solution.

Siyuan: The data of toaster and microwave still not be used in the logic part.

**Individual Contributions:**

Member Name	Individual Contributions	Hours this Week	Cumulative Hours
Jared Griffin	Finished setting up state management in web app, began adding an overview page, began working on mockups for next semester, worked on final presentation slides	4	38
Siyuan Zeng	Working on logic server. Research on the taobao.com for solution	4	41
Nidhi Dalvi	Researched wireless solutions. Worked on final presentation slides.	4	20
Robert Guetzlaff	Modified survey and collated previous survey data.	4	37
Tyler Borchert	Researched wireless solutions. Talked to advisor about them (From his experience).	4	37

### **Plans for the Upcoming Week:**

Robert : Give survey to user and compare this data to our recorded data.

Nidhi : Research more on wireless solution and try to find out the solution. Work on the project plan and final presentation slides.

Siyuan Zeng: After knowing the construction(Pojo, Repository, Service, and Controller) of toaster data and microwave data in the server, I can start to put them together with the previous work to build better logic analyze. Also, our advisor suggest us to use Taobao.com to do the sensor research.

Tyler:

- Go to Bob's apartment
  - Get a demo prepared
  - Look at configuration and see if anything needs to be fixed again
- Look into cheaper wireless solutions with Nidhi

Jared:

- Begin creating mockups for next semester
  - Do some research into using UX tools and how to make a good design
  - Begin designing the pages the web app will need

### **Summary of Weekly Advisor/Client Meeting:**

Discussed about the individual's progress which we are working on the project for hardware, software and logic side as mentioned in the weekly summary. Discussed with the advisor about the solution for wireless sensors. Worked on demo and slides for final presentation slides. Decided to meet bob on this coming weekend with the client and other team.