

## ***EE/CprE/SE 491 WEEKLY REPORT 2 1/16 – 1/30***

***Group number: sdmay20-19***

***Project title: To Online Shop, or to Not Online Shop***

***Client &/Advisor: Goce Trajcevski***

### ***Team Members/Role:***

Amiah Gooding - Electrical Engineer  
Matthew Martin - Report Manager/Scrum Master  
Max Minard - Software Manager  
Smruthi Sandhanam - Meeting Manager  
Travis Stanger - Test Engineer  
Yana Aleksandrova - Meeting Facilitator

**o Weekly Summary** - Got back to school, aligning goals from last semester and feedback learned to start the developmental process. Software team met to setup sprints and goals for the semester going forward by allocation roles. Software development process has been started. Hardware Team figured out specifically what parts to order and placed an order with ETG. Hardware team also planned work flow for the next couple weeks. Since our project has also been accepted for the PerCom Conference, we are also working on travel grants and are trying to get funding to attend this conference in March.

**o Past week accomplishments** - At the end of last semester we finished up the planning stage and had our final presentation and report done. This allowed the team to move into the development phase as we start the new semester. Since we have been accepted to the PerCom 2020 conference, we are planning for our project to be completed by the 3rd week of March (before the conference).

**Yana:** Worked on planning and timelining of goals for software, creating personal role and starting to developed based on frontend role.

**Matthew Martin:** Worked on configuring the AWS instance and ensuring the rest of the team had access. Began writing out tasks that need to be completed that can be divided into sprints. Lastly, looked at the timing different tasks we want to get completed.

**Max Minard:** Help develop a plan and schedule for the upcoming weeks. Attempted to set up development technologies for project development.

**Smruthi Sandhanam:** Worked with Amiah on finding and ordering parts for senior design. Also planned out workflow for the next couple weeks on the hardware side. Working on travel grant for PerCom Conference.

**Amiah Gooding:** Worked with Smruthi on finding and ordering parts for senior design. Also planned out workflow for the next couple weeks on the hardware side. Placed an order to ETG.

**Travis Stanger:** Began working on travel grant for PerCom Conference. Began developing a schedule for the semester, primarily through the third week of March. Updated senior design team website and met with software team.

**O Pending issues**

**Max Minard:** Having trouble setting up the current version of Xcode.

**Smruthi Sandhanam and Amiah Gooding:** Waiting for the Raspberry Pi and Barcode Scanner to arrive. We expect the barcode scanner to arrive first. The plan is to rent a Raspberry Pi temporarily from ETG and working with the barcode scanner. This way when our Raspberry Pi arrives we can switch our work over.

**O Individual contributions**

Name	Individual Contributions	Hours this week	Hours cumulative
Amiah Gooding	Analyzed our required hardware and narrowed down a list of acceptable parts and conversed with team our what we desired our final product to look like and placed an order for the parts.	10	10
Matthew Martin	Set up AWS Amplify framework and lay out documentation for rest of software team to connect. Assisted in assigning roles and who will be working on tasks. Code is started in XCode and pushed to GitLab.	11	11
Max Minard	Meet with software team to help determine future schedule and tasks. Assign roles and tasks to every software member.	11	11
Smruthi Sandhanam	Working on travel grant for PerCom conference (2-3 hours) which requires an essay and CV. Met with Amiah to discuss and order Raspberry Pi and Barcode	12	12

	Scanner. Discussed upcoming workflow with Amiah over the next two weeks and our contingency plan if parts take additional time to arrive.		
Travis Stanger	Meet with software team to develop plan for the semester and assign roles. Updated senior design website.	10	10
Yana Aleksandrova	Meet with software team to discuss sprints and goals, starting up development cycle, with role aligned.	12	12

### o Plans for the upcoming weeks

**Yana Aleksandrova:** Will work on first set of features for the first sprint, making first commits to git and making sure that the framework for the code is set up being able to build features off initial work.

**Max Minard:** Will continue figuring out how to complete set up of software development environment and continue working on development features.

**Matthew Martin:** Begin turning on the resources necessary on AWS for the code to be auto-deployed. Begin tasks in spring one, which include starting on the screens of the application.

**Smruthi Sandhanam:** Meeting with Amiah this upcoming weekend once the barcode scanner arrives to begin initial setup and configuration. Hopefully write up the python script for receiving barcoded items. Finish up the travel grant due Feb 5th and meet with WiSE to request funding for the conference.

**Amiah Gooding:** Meeting with Smruthi this upcoming weekend once the barcode scanner arrives to begin initial setup and configuration. If the scanner does not arrive, we will see what else we can accomplish on the hardware side that will make it easier for us once the hardware arrives. Set up the barcode scanner with the Raspberry Pi (hopefully wireless) and test connection and see if barcode is received.

**Travis Stanger:** Continue to work with software team and work on first sprint. Begin developing application, primarily some of the main screens. Finish travel grant.

### o Summary of weekly advisor meeting

Met with the advisor to discuss plans for the rest of the semester dealing with the project and his expectations of the outcome. Additionally, had a discussion about attending a conference for the research completed by our team. Bi-weekly meetings with Professor Trajcevski.