EE / CprE / SE 491 - sdmay20-19
To Online Shop or To Not Online Shop
Week 3 Report
October 14 - October 20
Client: Goce Trajcevski
Faculty Advisor: Goce Trajcevski

Team Members:
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

Past Week Accomplishments

- Team: Created end to end behavior of project and made decision about conference in Austin. Narrowed down on a basic scenario for project application and brainstormed on more complex scenarios that we could work towards in the future. Focused on and researched areas of professional responsibility.
- Yana: Research concrete justification of why we are making certain decisions regarding the frontend, as well as finished reflection on areas of responsibility
- Matthew: Worked on lighting talk and began initial research into AWS
- Max: Research on overall system design and infrastructure and software development practices.
- Travis: Researched into AWS and looked into iOS vs android development
- Amiah - Discovered more about barcode scanners and found that they actually hold more than enough capability to be our main sensors to populating our database ad there are some repositories online that can help with integrating the information with a raspberry pie. Additionally, they are rather inexpensive
- Smruthi - Discussed with team and came to the conclusion that the combination of barcode scanner and Raspberry Pi would be the best for this project. This will keeps costs low. Plans to integrate a possible weight sensor will be discussed later.

Pending Issues

- Yana: Research working with Xcode and Swift for IOS development

- Matthew/Max: Decide on Google maps vs Apple maps for the application
- Having chosen the Barcode scanner, Smruthi and Amiah are researching how to interpret the information from a barcode scanner such as what will be our identifying trigger between the different products

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Amiah Gooding	Selecting barcode scanners, helping writer the design document	2	6
Matthew Martin	Researched into the AWS amplify framework and how it is going to be used in our project.	2	6
Max Minard	Software development process decisions, worked on the database design.	2	6
Smruthi Sandhanam	Selecting combination of barcode scanner and Raspberry Pi, helping with design document.	2	6
Travis Stanger	Researched AWS, set up necessary applications on my PC for Swift development	2	6
Yana Aleksandrova	Justification Research, Reflection Component for turnin, Swift research	2	6

Plans for Coming Week

- Yana: Continue experimentation with Xcode/Swift, get means necessary to access software and try small scale demo, preparation for the next team meeting
- Matthew: Begin laying out the relational databases and how the information is going to be stored. Begin the project creation and setup in AWS/Xcode.
- Max: Meet with software development group to establish user stories, workloads, application views, and solidify the database design.
- Travis: Refresh myself on Swift development, meet with software group to create user stories
- Amiah and Smruthi gathering more information on how to use barcode scanners and understanding any limitations incorporated with using them.