

EE / CprE / SE 491 - sdmay20-19
To Online Shop or To Not Online Shop
Week 4 Report
October 21 - October 27
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

- Yana: Justification on choices made on the software side, Reflection finished and submitted, Research IOS separately to gain better understanding
- Matthew: Looked into the amplify framework more deeply with how that will be integrated with our project
- Max: Drafted a database design and software development decisions.
- Travis: Looked into Swift, finished reflection, met with team to discuss database design
- Smruthi and Amiah: Researching how to retrieve data from barcode scanner to the Raspberry Pi. Also figuring out how we plan to send data from the Raspberry Pi and store it in the database. This way the software team will be able to use the data received for their application

Pending Issues

- Yana: Design Document Version 2

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Amiah Gooding	Hardware discussion with Smruthi, figuring out the data flow between Barcode Scanner, Raspberry Pi, and database	2	8
Matthew Martin	Began to design the database after	2	8

	walking through end to end cases. Figured out the type of database that will be used with AWS		
Max Minard	Designed and mapped out the view controllers for the mobile application. Conducted software develop meeting to discuss these ideas.	2	8
Smruthi Sandhanam	Hardware discussion with Amiah, figuring out the data flow between Barcode Scanner, Raspberry Pi, and database	2	8
Travis Stanger	Added many of our documents to the senior design website, added bio and picture for team member page, fixed some formatting on website	2	8
Yana Aleksandrova	Software decision meeting, user stories/database and app functionality, following with justification for all of these decisions	2	8

Plans for Coming Week

- Yana: Work on end-to-end scenario for overall design, another reflection component, lightning talk, and design document
- Matthew: Finish lightning talk on technical challenges. Write reflections on IEEE standards. Meet to work on finishing the end-to-end scenarios to create a better overall picture for our design document. Finish version 2 of the design document.
- Max: Help construct the end-to-end use case scenario for the entire system. Write reflections and work on lightning talk.
- Travis: Finish lightning talk, finish design document v2, meet with team to discuss end-to-end scenarios
- Smruthi and Amiah: Research and discuss how data will flow from the barcode scanner to the Raspberry Pi, and how we will store data received into the database. The goal is to figure out how this will be possible and if any additional materials are needed.