EE/CprE/SE 492 Bi-Weekly Report 1

1/13/20 - 1/30/20

Group Number sdmay20-23

Project Title: Multi-Context Shopping Optimization

Client & Advisor: Goce Trajcevski, Ashfaq Khokhar

Team Members/Role: Max Garton - Meeting Lead, Arnoldo Montoya-Gamez - Deadline Manager, Ethan Shoemaker - Issue Tracker, Karla Montoya - Testing Specialist, Jesrik Gomez - Public Relations, Nate Wernimont - Meeting Scribe

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Weekly Summary

This week the team worked on re-familiarizing itself with the project, as well as started planning the next steps of the project. We did this by coming up with the tasks that align well with our gantt chart. In addition to the planning, the team started scheduling team meetings and advisor meetings. We began development of individual functional components of the system.

Past Accomplishments

Accomplishments during 1/13/20 - 1/30/20:
- Added Gitlab development milestones with start and end dates (Max)
- Organized team documents for meeting notes & tasks (Max)
- Listed development tasks to be completed in two weeks and the corresponding sub-component they belong to (Ethan)
- Began development on individual components of the project (All)

Pending Issues

- Max Garton: N/A
- Arnoldo Montoya-Gamez: N/A
- Ethan Shoemaker: N/A
- Karla Montoya: N/A
- Jesrik Gomez: N/A
- Nate Wernimont: N/A

Individual Contributions

Arnoldo:
- Started Communication schema discussion with affected team members
- Planned frontend sub-tasks with the frontend sub-team

Ethan:
- Listed tasks for each sub-component to be developed for the end product
- Chose 2 tasks per sub-component for completion in the next two weeks
- Updated Gitlab to reflect these issues

Jesrik:
- Began setting up development environments for our different processes, and containerizing them in Docker.

Karla:
- Collaborated on frontend subtask brainstorming.
- Set up development environment for upcoming Android Development tasks.

Max:
- Organized team documentation (meeting notes & tasks)
- Scheduled team & client meetings
- Added Gitlab development milestones with start and end dates
- Began development on inventory sensor setup process, beginning with connecting a raspberry pi to the user's wifi network.

Nate:
- Refamiliarized myself with the project
- Set up database for the users service
- Started to consider how to mock the stores

Name	Individual Contributions (Quick list of contributions. This should be short.)	Hours This Week	Cumulative Hours
Arnoldo	Started Communication schema discussion with affected team members Planned frontend sub-tasks with the frontend sub-team	3	47
Ethan	Updated Gitlab with tasks for each sub-component	4	44
Jesrik	Started setting up development environments and creating Docker containers for our different microservices.	6	41
Karla	Collaborated on frontend subtask brainstorming. Set up development environment for upcoming Android Development tasks.	4	39
Max	Organized team documentation (meeting notes & tasks). Scheduled team & client meetings. Added Gitlab development milestones with start and end dates. Began development on inventory sensor setup process.	8	63
Nate	Refamiliarized myself with the project. Set up database for the users service. Started to consider how to mock the stores.	5	45

Plans for Next Week

- **Max:** Continue developing the process to set up a user's inventory sensor. This includes connecting the raspberry pi to the user's wifi network (by having the user select the wifi network using an android app), calibrating the sensor, and registering the sensor with the remote inventory service (as well as associating the device with the user in the user service).
- **Arnoldo:** Create Android App Skeleton, Work on a basic list app.
- **Ethan:** Further experiment with hardware and development of WiFi and/or data collection software on Raspberry Pi
- **Nate:** Implement the users service. Start setting up some mocked services for the different stores.

- **Karla:** Develop Main screens for our android app.
- **Jesrik:** Finish initial development environment set up, and push the containers to Docker Hub in order to streamline development across different machines. Start implementing system microservices.

Summary of Weekly Adviser Meeting

In our meeting with Goce on 1/27, we established goals along with a timeline for the semester. We aim to have significant progress completed on a demo of the project by Feb 24. The goal is to have a working demo by Mar 16. We also established the specific items that each person will be developing.