

# SE 491 WEEKLY REPORT 6 - Pivoting and Frontend

sdmay20-25: Consumer Aware Warehouse Management

11/6/19 – 11/12/19

Team Member	Roles
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Andrew Smith arsmith3@iastate.edu	Database Administrator Quality Assurance Engineer Software Developer
Elijah Buscho elijah@iastate.edu	Test Engineer Software Dev Proj Manager

# Weekly Summary

## Objective

The group objective for the week was to finalize testing plans and work breakdown for the design document and to stabilize the development environment, finish an initial prototype of the frontend, and create endpoints to display data in the frontend prototype.

## Accomplishments

The group accomplished all of the tasks specified in the objective. Additionally, we got the final presentation prepared and presented this semester's work to our client and to our advisor.

## Past Week Accomplishments (Individual)

### **Lindsey Sleeth**

This week I worked on the Work Breakdown Structure and helping to map our requirements to the tasks that should be completed, as well as making sure that everyone was assigned to tasks. Additionally, I continued to work on the design document by finishing up the testing plan with Sam. The test plan was based on the requirements that we wrote at the beginning of the semester.

### **Elijah Buscho**

I worked on the testing plan and the development plan. I also revised the timeline to reflect the work we have already completed, and incorporate the changes to the testing and development plan.

### **Jameel Kelley**

This week was dedicated to finishing the frontend for the demo during our presentation. I completed some basic error handling, fully mapping the JSON data to the visual table component. I also integrated both the region selector and distributor selector. These needed to be set up so that they both updated the table. One thing I could do to improve the speed is to time cache the results of a specific distributor and its products.

### **Andrew Smith**

For this week I worked on getting endpoints on the server-side setup for the frontend to connect to and pull data from the database. I have 3 out of the 4 requested for use right now. Getting all distributors for a region, getting all regions, and listing all the information needed for a specific distributor.

### **Omar Ijaz**

Since the server had moved this week, I had to move our script as well. In terms of project planning; I had created a Gantt chart for the second semester as well as revising the tasks for second semester. Our initial version of the algorithm will need pandas to manipulate the data, so I spent some time this week working with pandas. I did a few simple tutorials and some tasks included: importing data from .csv, being able to filter data in pandas, and formatting data by associating time with it.

### **Sam Stifter**

This week I focused on a server migration. We requested server space from ETG since the free tier of AWS did not have enough resources. I had the responsibility of getting the new server installed with the required software, migrating the CI/CD pipeline to the new server, and moving the configurations over to the new server. Once everything was moved over, I made sure all team members had access to the new server and did some testing to make sure the migrated server was functioning the same as the old server.

Name	Individual Contributions	Hours this Week	Hours Cumulative
Lindsey Sleeth	Finalizing design document, working on input fields for frontend, work breakdown	17	70
Jameel Kelley	Finalize frontend for presentation demo	12	73.5
Sam Stifter	Migrating the server from one provider to another, testing the new server, software installation and debugging.	15	78
Andrew Smith	I made the initial server side endpoints for front	10	67

	end to connect to.		
Omar Ijaz	Creating backend deployment script, creating gantt chart for the second semester, project planning for second semester.	11	70
Elijah Buscho	Testing, development plan, timeline	10	70

## Plans for the Upcoming Week

### Lindsey Sleeth

Next week I plan to help create a class diagram and get all of the classes in place for the algorithm.

### Elijah Buscho

Next week I'm going to blow away the faculty with our awesome presentation.

### Jameel Kelley

Next week I will be preparing the presentation for our demo, recording a demo of the frontend to play (minimize the potential for error when presenting), and potentially looking into features to implement during next semester for the frontend.

### Andrew Smith

Getting ready for our final presentation and final version of the design document. Other than that everything will be pushed to next semester where I first plan on getting the products that a distributor has available.

### Omar Ijaz

Next week the backend team will focus on implementing pandas, which is a python library to our current existing system.

### Sam Stifter

Next week will focus on making a basic program using pandas, python and java to create a proof of concept for data travel between different components of the system architecture.

## Summary of weekly advisor meeting

This week we presented to our advisor who had feedback for us on how to structure our presentation and also basic presentation advice like memorizing what we would say for the presentation and making eye contact with the audience.

We discussed final needs for the semester so that we can be evaluated such as filling out peer reviews and finalizing our design document.