

sddec22-21: Internal Infrastructure Web Application

Week 3 Report

February 14 - February 20

Team Members

Colton Hazlett — *Project Manager, Security & Frontend*

Dustin Heims — *Security & Frontend*

Anthony Nuss — *Frontend*

Kevin Nguyen — *Frontend*

Ty Wallis — *Backend*

Chris Tan — *Backend*

Summary of Progress this Report

The team has moved towards the research and development phase for the inventory page. The team is split into the frontend researching react and creating the user interface. Next, is the security working on the authentication for the different types of users and access control through AWS. Then, the backend is implementing the ER-diagram they created in AWS and starting to work on the mutations, queries, and subscriptions that AWS provides.

Pending Issues

N/A

Plans for Upcoming Reporting Period

The next reporting period shall detail the finished work that we are currently working on for the frontend, backend, and security.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Colton Hazlett	During this week I created AWS accounts for all the teammates to start working on the AWS implementation. Then I worked with Dustin to get introduced to the AWS authentication and how to build a role based access control (RBAC). I started a aws website through a tutorial and started playing with the different services that AWS offers.	8	38
Dustin Heims	This week I started the exploration of AWS and was helped by Colton to get started with signing in and getting everything ready. I explored how stuff worked and look through a tutorial on how everything functioned.	6	36

Anthony Nuss	This week I went through tutorials about AWS amplify and react. I then got our project set up on my machine. I then started working on the frame for our website. It currently has a header and an interactive sidebar that moves in and out. It also has each page connected to it.	8	38
Kevin Nguyen	I watched and read resources online on how to use AWS amplify with react and attempted to get it working onto my machine. I am still working on getting it set up. I then worked on the gantt chart by creating a template for it and filling some must do things on the list. I plan on presenting it to the team by next meeting next week.	7	37
Ty Wallis	This week I met with our project lead and redesigned the ER diagram for our database. After this meeting, Chris and I worked to create the tables and relations from the ER diagram in AWS amplify. I am currently going through some tutorials for amplify so that I will be ready for the next stage of the project.	6	36
Chris Tan	Starting this week, I got introduced to AWS amplify and began to learn about it as well. I took some time with Ty and added some tables to our database such as the product and installed AWS amplify CLI while following the tutorial. Still learning how AWS amplify works since this is my first time using anything related to AWS.	6	36

Gitlab Activity Summary

Overall:

- Created the AWS-react project using a backend in aws amplify.

Frontend:

- Started working on the menu bar to switch between all the pages.
- Started to design the “frame” or the stagnate part of the UI that will never change.

Security:

- Created an AWS authentication system to control users login information.
- In progress of creating a signup and log in page for the application.

Backend:

- Created all the tables into the AWS amplify UI.
 - All tables have all the attributes and relationships implemented.
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