sddec22-21: Internal Infrastructure Web Application
Week 4 Report
February 21 - February 27

Team Members
Colton Hazlett — *Project Manager, Security & Frontend*
Dustin Hiems — *Security & Frontend*
Anthony Nuss — *Frontend*
Kevin Nguyen — *Frontend*
Ty Wallis — *Backend*
Chris Tan — *Backend*

Summary of Progress this Report
In this, week we have started to enter the research and development phase of the project. We are starting to design the frame for the UI implemented by react JavaScript. On the backend we have started to implement the tables that we have designed by an ER-diagram. Also, on the backend for the R&D phase we have started to create the necessary mutations, subscriptions, and queries to access the information from the database. Lastly, for security we have started to look into the services that AWS offers for necessary cyber security needs. Such as using AWS Cognito to hold all the users login information with their specific role.

Pending Issues
N/A

Plans for Upcoming Reporting Period
In the next week we plan to continue the R&D phase in the frontend development in react JavaScript and to using AWS services for data storing and any other needed services. We will start intertwining the fronted and the backend.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Colton Hazlett	I worked alongside Dustin to start working on creating a login page for the web application. In order to keep the user information secure and encrypted we will be using AWS cognito which will store all the necessary information for that user in a user pool. Then I started to work on a login page in react alongside of AWS amplify.	15	53
Dustin Hiems	Found some examples for a login page that I could use for a login page that I was to make with Colton. I found a couple more examples of encryption types that AWS can use to keep	9	45

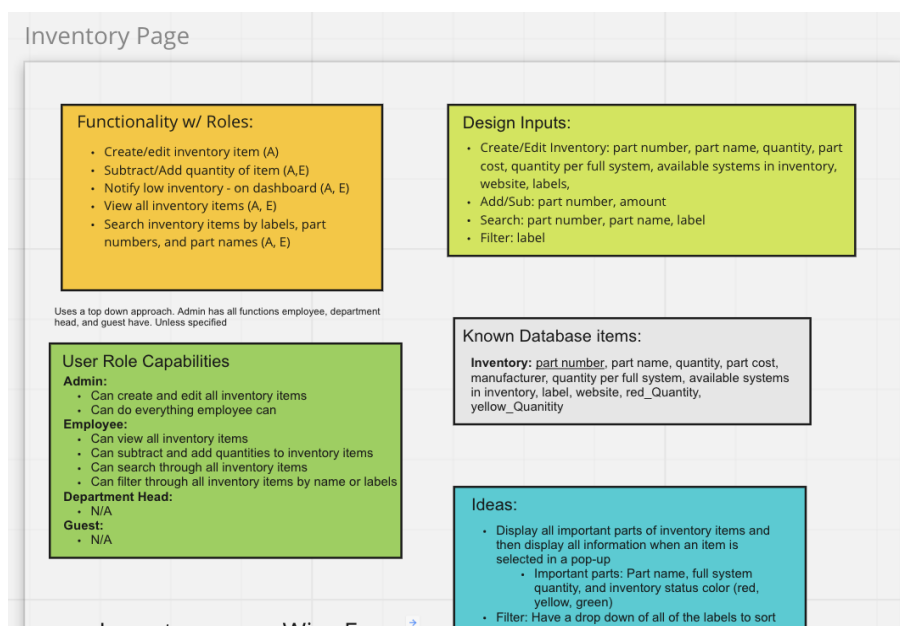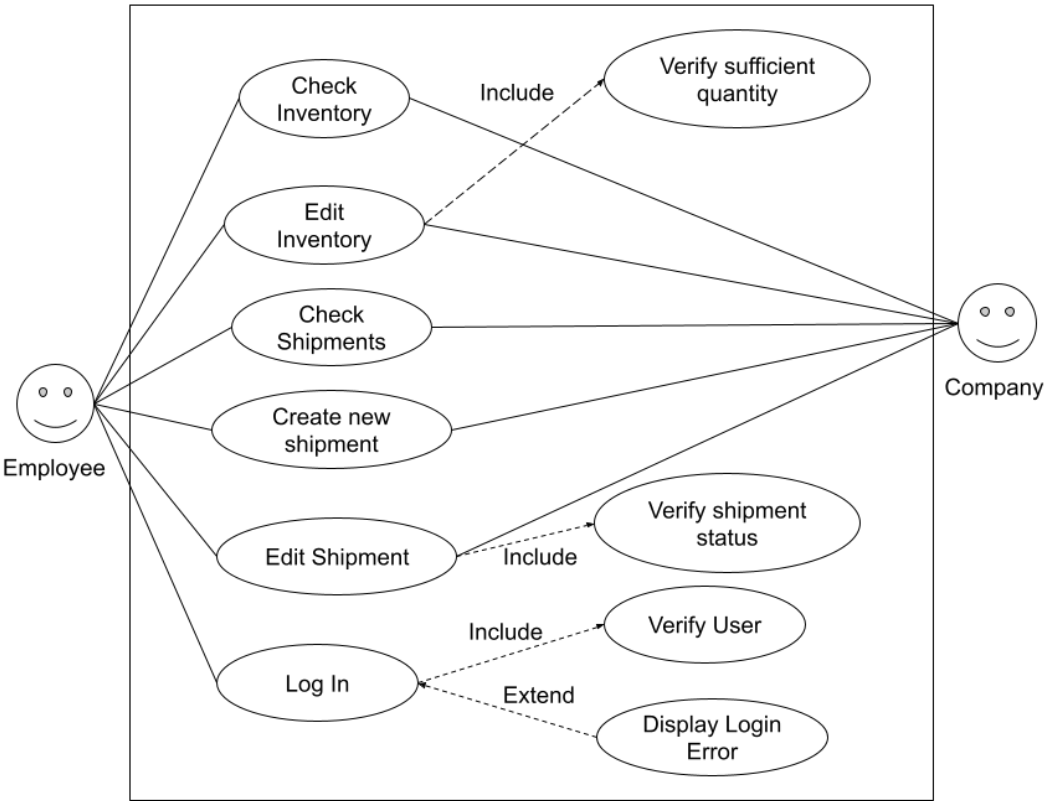|	information secure.		
Anthony Nuss	I worked on editing things with the sidebar and header i made last week to clean them up a bit. I then worked on creating two tabs in the upper right side of the screen. On is for notifications and the other is a user tab. They both have a drop down when pressing on them and they both close when pressing anywhere on the page. The user tab has three tabs inside of it, profile, settings, logout. The notification tab will have new notifications when needed.	7	45
Kevin Nguyen	I got AWS w amplify installed and set up on my laptop and was tasked to define the dashboard design on our web application. I was very busy this week with a few other deadline so I wasn't able to contribute much.	4	41
Ty Wallis	Created sample queries to help with the login page.	3	39
Chris Tan	Looked into queries and mutation tutorials for database. Out this week because had to visit family in New York.	4	40

Gitlab Activity Summary

Frontend:
- The main "frame" or the stagnate part of the web application that will never change.
- Creating a LogIn popup
- Using AWS cognito to store user credentials

Backend:
- Creating the needed mutations, queries, and subscriptions to start retrieving data from the database tables.

Use Case

Personal Person - Guest

Person Profile - Guest

Name:
Tony
Profession:
Paramedic
Age:
30
Personal BG:
From Minnesota and choose to be a paramedic to help people.

Interests:
He spends his time working.
He spends his time staying up to date with EMS industry

Powers:
He has influence on paying for the product
He has control of how much he works

Needs:
He needs easy and fast customer service
He needs easy access to the web application

Behaviors:
He always gets to work on time
He buys new EMS tools

Values:
He cares to help people in their pain and save their lives when necessary.

Aspirations:
He wants to move up the ladder and become a deputy chief of the department station.