

EE/CprE/SE 491 WEEKLY REPORT 09

Start Date – End Date: 11/8 - 11/14

Group number: 25

Project title: dripdrop

Client &/Advisor: Simanta Mitra

Team Members/Role:

Team Liaison/Communication Leads: Zachary Foote

Research Lead: Logan Roe

Project Manager: Kaden Wingert

Technical Lead/Architect: Elyse Kriegel

Testing/Quality Assurance: Gavin Rich

Documentation/Meeting Lead: Kolby Kucera

○ **Weekly Summary**

This week, we made the home page dynamically populate posts rather than using hardcoded placeholders. This included creating fetches for post information as well as the username of the user who posted. We also added the frontend to allow users to update their account information along with updating the design and functionality of the search feature. We added salt/hashing to user passwords, but still need to test it. Created an endpoint for getting user by username. Made small updates to Post endpoints. Developed prototype for new backend structure to demo and discuss as a team.

○ **Past week's accomplishments**

Kaden Wingert:

- Made the home page dynamically populate with posts from the API
- Added frontend to allow the user to update email, username, and password
- Added logout button

Gavin Rich:

- Built updated search bar that searches for users by username and connected it to backend
- Built skeleton for lists page
- Updated post design and added functional follow button

Kolby:

- Added Salt/Hashing to user passwords, still need to test, the MainAPI was in an update mode
- Moved the backend documentation to our gitlab repo. Created wiki for our backend and our API, adding instructions for contributing to the backend or API, as well as instructions for important resources.
- Worked on small backend stories:
 - Created date for posts gets auto filled by the current timestamp
 - Added get user by username endpoint
 - Cascade Delete: when a user gets deleted, all their posts get deleted
 - Create Post endpoint checks that the userID is valid
- Worked with Logan to flush out our new plan for the backend structure
 - Created a prototype lambda that can handle all endpoints with path /users. Will demo to team Thursday

Logan Roe:

- Worked on refactoring of the backend with Kolby to create our new plan for the backend structure
- Created a tag.py file that will be the new way of setting up the functionality in the backend that performs CRUD operations on the database
- Prototyped a lambda which uses the new backend CRUD operations
- Created a new structure for return values and error/exception values to be more descriptive and universal

Zachary Foote:

- Added on to Kaden's generation of posts pulling from the API on the homepage by making a feed component that is used by the home page and having the post information correctly displayed.
- Added a fetch for the user's username of each post so that it can be displayed with the post.
- Started working on calling the API to POST posts to the database using information gathered on the frontend

Elyse Kriegel:

- Created a way to connected the the aws aurora database on a local machine without exposing it the public subnet
- Created, trained, and tested different models that could potentially be used for out AI implementations

- **Pending issues**

- **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Kaden Wingert	Added a logout button on the profile screen, made the posts generate dynamically, and added the UI to allow the user to change their account information	8	61
Kolby Kucera	Added Salt/Hashing to user passwords, still need to test. Worked on small backend stories, details provided in the accomplishments section. Worked with Logan to flush out our new plan for the backend structure. Created a prototype lambda that can handle all endpoints with path /users. Will demo to the team Thursday. Added backend documentation to our repo, details in accomplishments.	8	39
Logan Roe	Primarily worked on the backend refactor including a new plan for the backend structure, a prototyped handler, an example file for how the functions should be structured, and improvements to errors and returns. I also refactored the tag lambdas to no longer have endpoints, but just functionality accessible by the backend.	7	42
Gavin Rich	Built an updated search bar that searches for users by username and connected it to the backend. Also built a skeleton frontend for lists page to show a good idea of what it'll look like before connection to back end. Updated design for posts in feed and added functional follow button to each post so users can follow each other that way.	6	39

Zachary Foote	Improved the posts displayed on the home screen by displaying more information and fetching the username of the poster. I also started working on setting up the API for creating posts.	5	44
Elyse Kriegel	Created a secure way to connect a local machine to the aws aurora database without exposing it to the public subnet using a ec2 bastion and the aws sessions manager. Also created, trained, and tested different ai models using various public datasets that I modified to fit our specific application.	20	63

- **Comments and extended discussion**

- **Plans for the upcoming week**

Kaden - Update the sign-in logic to have their own pages rather than doing swaps on a single page. Update the backend responses to reduce duplicate code

Kolby - Probably won't make a lot of progress this week, it is my last week of MBA classes so I have final exams and final projects. With the time I do have I want to continue to restructure the backend, or work on any small stories.

Logan - Refactor the backend to follow the new plan for the backend structure. Specifically, I want to finish refactoring the tag functionality, and refactor the other existing tables. After refactoring, I want to implement functionality for clothing items, clothing item tags, and items as well as the tables for these.

Zach - I plan to finish API for creating posts so that users can enter post information and create it, and then the home screen displays it.

Elyse - I plan on halting progress on the AI to focus on the more needed task of image storing and retrieval via the api gateway and aws lambdas. Will also work on UI routing using react router and cloudfront configurations.

Gavin - I'm planning on making the user profile page dynamic and show actual user data rather than pre-set text. Once that's done, I'll link the search bar and posts to the user page.

- **Summary of weekly advisor meeting**

We did not meet with our advisor this week.