

## **EE/CprE/SE 491 WEEKLY REPORT 07**

**Start Date – End Date:** 10/24 - 10/31

**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 significant progress across multiple areas. We improved the frontend by adding automatic redirection to the homepage after post creation, linking the frontend to backend user search functionality, resolving CORS-related issues, and completing a search page with filters for users and posts. We also created a shared Postman collection for easier API testing. On the UI/UX side, we designed Figma mockups for feed and post layouts, created a product pop-out modal, and began adding basic website settings. For backend development, we completed the basic USER and post endpoints, including create, delete, update, get, and getByID. We also documented the backend, explaining API endpoint structures and Lambda function creation. We restructured how we want to implement image-related tables to improve data relationships and handling of items and tags. Finally, we made significant progress on our pipeline.

### ○ **Past week accomplishments**

Kaden Wingert:

- Updated the create post page to now automatically redirect the user to the home page
- Connected the frontend to the backend by allowing users to be searched
  - Debugged backend issue causing requests to be denied due to CORS restrictions
- Implemented the search page, so a user can now search for dummy posts and

- real users and have the results displayed
    - Includes the ability to filter the search results to posts and/or users
- Created a shared Postman collection with the team to make it easier to test the API

Gavin Rich:

- Created figma mockup for feed/posts design
- Implemented new feed design into the website
- Designed product pop-out modal
- Started incorporating basic settings on website

Kolby:

- Completed development and testing of the basic USER endpoints:
  - Create, delete, update, get, getbyID
- Created documentation for the backend, highlighting how the API Endpoints are set up and how the lambda functions are created

Logan Roe:

- Did some more work on the Image-based lambdas and tables.
- I re-designed how we want to handle the image table and related tables, such as an item table, coordinates table, clothing item table, and a tag table.
  - The post table should connect to an image table, which connects to an item table, which then has relationships with a clothing item and coordinates table. Finally, the clothing item table has a relationship with a tag table.

Zachary Foote:

- Created a post table that has a relationship with the users table
- Created post lambdas for createPost, deletePost, updatePost, getPosts, and getPostById
- Fixed one of the user lambdas

Elyse Kriegel:

- Worked on the pipeline
- Pipeline now runs cdk deploy to both frontend and backend
- Pipeline now deploys branch infrastructure for frontend

- **Pending issues**

○ Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Kaden Wingert	Updated the create post page and created the search page. Created a shared Postman collection to make it easier to test the API	9	46
Kolby Kucera	Completed development and testing on the 5 basic USER endpoints. Created documentation for the backend, highlighting how the API Endpoints are set up and how the lambda functions are created	4	26
Logan Roe	I worked on the image lambdas and tables and redesigned the current idea of how these tables should be related for a simpler and more universal solution.	5	27
Gavin Rich	I worked on redesigning and reformatting the website's feed and posts. I started designing the pop-out modal for displaying product pricing and information. I also added some basic settings and user actions (sign out, change username, change name, etc.)	5	27
Zachary Foote	I created 5 lambdas for posts (delete, updates, create, getAll, getById). I also created a table for posts and gave it a relationship to the users table.	6	35
Elyse Kriegel	I updated the pipeline to work on both frontend and backend changes. When a change is made, the pipeline runs the cdk deploy depending on what changed and what current branch the merge is to.	7	37

- **Comments and extended discussion**

- **Plans for the upcoming week**

Kaden - create the component for what a post looks like when searched and create the user's profile screen

Kolby - Create a new Endpoint specifically for signing a user in. Update the create user endpoint to check to make sure no one has used that email or username before. Add bio and profile picture to the user table.

Gavin - Circling back to my initial plan for this week - working on bookmarks/saved page design and implementation. Build lambda for following users.

Elyse - I am going to continue working on improving the pipeline and I will also continue looking for datasets to start training the AI on.

Zach - I am going to update the posts tables to where a post can only be created if the userID is in use. I also am going to edit the lambdas so that if a user is deleted so is all of their posts. I will also hop over to the frontend and start working on the create post function.

Logan - I plan to hopefully finalize the new table design and finish the image lambdas and table, as well as work on some other tables and lambdas. If time permits, I may begin some work on the front end.

- **Summary of weekly advisor meeting**

We did not have a meeting with our advisor this week.