

## **EE/CprE/SE 491 WEEKLY REPORT 10**

**Start Date – End Date:** 11/15 - 11/21

**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, the common backend code was simplified to use a util function for the return responses. We updated and refactored most of the backend code, improving organization and simplicity. As a part of the backend refactor, we lessened the number of endpoints by removing unnecessary endpoints. We also finished the create post API so that posts can be created from the frontend now. Along with that, we fixed the profile page to be more dynamic based on the user.

### ○ **Past week's accomplishments**

Kaden Wingert:

- Created a backend utils function and updated all backend responses to use this util, reducing code duplication
- Updated team website
- Created new backend function to get posts by a user given their ID

Gavin Rich:

- Added links from search bar results to profile page
- Made profile page content dynamic based on selected user
- Hide search bar on page change
- Fixed styling of side bar.

Kolby:

- Worked on refactoring the database, backend, and endpoints related to the following feature. Added an endpoint for unfollowing a user. Need to finish validating changes
- Collaborated with Logan on the entire backend restructure process.

Logan Roe:

- I refactored the user, post, image, and tag backend functionality so that there are fewer unnecessary endpoints, functionality is centralized, and the structure makes sense.
- I collaborated with Kolby to work on this restructuring process.
- I rearranged the backend utility functions to make more sense and implemented an exception handling utility function for less duplicate code and better exception handling.

Zachary Foote:

- I created the API for creating a post, so that posts can now be sent to and stored in the backend, and then displayed in the feed.

Elyse Kriegel:

- Continue training the classification AI model
- Improved the dataset used for training
- Worked on getting images to s3

○ **Pending issues**

○ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Kaden Wingert	Cleaned up duplicated backend code, updated team website, made a new backend function for retrieving all posts made by a specified user	6	67

Kolby Kucera	Reorganized the backend/API for the following feature. Added an endpoint for unfollowing a user. Need to finish validating changes. Collaborated with Logan on the entire backend restructure process.	4	43
Logan Roe	I refactored the user, post, tag, and image functionality to fit the new backend structuring. I worked with Kolby to complete the backend restructuring. Further, I restructured the utility function files to make more sense and be better organized.	11	53
Gavin Rich	I added links from search bar results to the user's profile page. Made profile page content dynamic based on selected user. Worked on hiding the search bar on page change and fixed the styling of the side bar.	4	43
Zachary Foote	I created the API for creating posts so that a user can use the create post popup and put the post info in, and send it to the backend. Posts are immediately then displayed on the frontend.	4	48
Elyse Kriegel	I have been training the ai model and improving the dataset used to train. I also have worked on getting images to an s3 bucket and connecting it to the database	5	68

- **Comments and extended discussion**

- **Plans for the upcoming week**

Kaden - Finish the UI for displaying the posts made by a particular user.

Kolby - Finish validating the new following functionality. Finish salt/hash of passwords. Work on any other backend stories that come up. Add to documentation for backend.

Logan - Implement the backend functionality for the item, clothing item tag, and clothing item tables. Begin work on setting up/designing the algorithm that will provide the posts for the feed.

Zach - I will edit the feed and create posts APIs to be able to handle images after Elyse is finished setting up images on the backend.

Elyse - I will be fixing some networking issue on aws to get s3 images working from our lambdas and get a test sagemaker instance

Gavin - I plan to work on the project some over thanksgiving break. I will work on following functionality on the front-end and displaying a dynamic feed. I also plan to work on redesigning the site to be more attractive. Also plan to rework the posting process to be more expanded but also more intuitive and user-friendly.

- **Summary of weekly advisor meeting**

Discussed final presentation and what we need to accomplish between now and demo day.