

EE/CprE/SE 492 Status REPORT 5

Start Date – End Date: March 14 - April 13

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**

Progress was made on the frontend's create post functionality. There are now screens where the user can create their draft, wait for AI to add the clothing tags, and a screen to validate each of the image markers. Completed the final item lambda and endpoint to handle editing clothing item details. Fixed small errors with some core endpoints. Began exploring options for how to implement the advanced search endpoint and the ai recommendations endpoint to include AI capabilities. Started implementing integration tests for our backend and API endpoints. Will need to build off these going forward to achieve more coverage. Additionally, the frontend had updates on searching posts. When a post is searched and clicked on, our app creates a feed of searched posts for the user to scroll through, similar to how Instagram does this.

○ **Past week's accomplishments**

Kaden Wingert:

- Created the Image Marker screen as well as the screen for the user to verify and change the clothing items' details
- Created a toolbar on the image marker screen where the user can add, delete, move, and click on image markers
- Created Wiki pages for the frontend of the website and mobile app.
 - These pages consist of information including how to run the programs, troubleshooting tips, and information.

Kolby Kucera:

- Updated getPostByUserID endpoint to handle different post types
- Fixed the search posts error so that is working now
- Created /updateItemsDetails lambda and endpoint so that frontend can allow users to make edits to clothing items they are tagging
- Revisited AI workflow lambdas to prepare for Elyse's changes
- Started exploring options for the advanced search feature and ai recommendations feature that will incorporate our AI capabilities.
- Started creating integration tests for our backend that test our core endpoints to make sure everything performs as expected. Currently have tests for /user and /like endpoints.

Logan Roe:

- Got the basics of the feed on the app finalized.
- Improved the backend feed algorithm to now take into account the status of a post.
- Added the HasSeen API call functionality to the app.
- Implemented the HasSeen functionality in the app feed.
 - A user can scroll through their feed and new posts will be added onto the feed every time they finish that set of posts.
 - Posts scrolled past will be marked as seen on the backend.
 - Once the end of the feed has been reached, or if a user launches the app to no posts, they can reset the feed when prompted.

Gavin Rich

- Finished up base profile page
 - Changed post retrieval method to gather public, private, and ready for review posts separately rather than in bulk
 - Fixed header styling
- Continued working on edit profile page including allowing for changes to username, email, password, and ability to delete user.
- Added ability to change profile picture

Elyse Kriegel

- Security setup almost finished
- Updated endpoints for new security setup
- Updated signup and sign lambda for new security setup
- Updated knowledge base on nova research computer

Zachary Foote

- Added liking and commenting functionality for the searched posts
- Changed the viewing of the search post results, now it is only the images displayed until the post is clicked on, and then the search goes into a feed

- Updated the logos and formatting of the search feed so that it matched the main feed that Logan created, except for with single post auto-scrolling instead of free scrolling as he has

Pending issues

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○ Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Kaden Wingert	Created the screen showing the image and the image markers. When clicked, the markers take the user to another new screen where they can validate the AI-populated info about the clothing items. Created toolbar on image marker screen. Created wiki pages for the mobile app and website in the GitLab repository	17	79
Kolby Kucera	Updated getPostByUserID endpoint to handle different post types. Fixed the search posts error so that is working now. Created /updateItemsDetails lambda and endpoint so that frontend can allow users to make edits to clothing items they are tagging. Revisited AI workflow lambdas to prepare for Elyse's changes. Started exploring options for the advanced search feature and ai recommendations feature that will incorporate our AI capabilities. Started creating integration tests for the backend. /user and /like endpoint tests.	11	44
Logan Roe	The basics of the feed on the app are finalized. The backend feed algorithm is improved to consider the status of a post when returning the posts for the user's feed. The HasSeen API functionality was added to	13	51

	the app. Using this API functionality, the feed now properly marks posts as seen and provides the user with new posts every time they run out of the current set of posts on the feed. The user may also reset the feed when prompted.		
Gavin Rich	Finished up the base profile page and changed post retrieval method to gather public, private, and ready for review posts separately rather than in bulk. Also fixed header styling and continued working on the edit profile page and its options including allowing for changes to username, email, password, and ability to delete user. Added ability for users to change their profile picture.	15	41
Zachary Foote	Created a feed for search posts. The search also has been updated to use special posts/search and users/search endpoints. I also changed the formatting of the search posts to be similar to Instagram, so only the images show when searched, and then the feed starts at whatever post is clicked, allowing the user to scroll up and down.	11	45
Elyse Kriegel	The new security setup with jwt token and secure endpoints is nearly finished. The signup and signin lambdas now use cognito and the old way of verifying users is being changed. I have also done more research on how the nova computer works so I can start training the AI to be better.	15	87

○ **Comments and extended discussion**

- **Plans for the upcoming week**

Kaden - Fix the dark mode bugs and continue implementing the pages related to creating a post

Kolby - There are 3 main things I need to accomplish that are critical for our project this semester. The first is the AI workflow lambdas that will connect the AI workflow to our backend database. The second is the AI recommendation lambda that will leverage complex queries and AI generated data to provide similar products. The third is incorporating the ai recommendations into the search posts feature. Over the next few weeks I need to allocate my time between these three tasks.

Logan - I need to finalize the HasSeen functionality on the app's feed. I then need to implement the markers for the clothing items on the posts in the app's feed. To do this, the user will be able to toggle the markers on/off for each post individually. If the markers are toggled on, they will be able to click the marker and a pop-up will appear showing the information for that clothing item. The user can look at that information for that item and scroll between the various items in that image without closing the pop-up, if they desire.

Gavin - I plan to add modals to the profile page for following and follower lists. I also need to incorporate post pop up modals from the profile page so users can look at posts more in-depth from that screen. If I have time, I'd like to look into the post creation process and see if there are any improvements that can be made to the interface and/or experience.

Elyse - I plan to finish the new security setup. I also plan on learning more about the nova computer so I can train the AI to be better.

Zach - I plan to start creating tests for the search page and the signup and signin pages. As a team, we are starting to create testing for frontend and backend, so I will focus on doing my part for that.

- **Summary of weekly advisor meeting**

We did not meet with our advisor during this period because he had a schedule conflict during our normal meeting time. We are planning to meet with him next on April 10th.