

EE/CprE/SE 491 WEEKLY REPORT 5
Start Date – End Date : 10/12 - 10/19

Group number: 25

Project title: MoonDeal

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**

We have begun working on the API using AWS Lambdas. The AWS CDK has been set as a rough draft, and that can continue to be updated as needed, but the majority of what we will need to get started is implemented (VPC, private subnets, API Gateway, S3 for website hosting). More progress was made on the UI with a dummy UI to create a post and the option for post filters. As a team, we set up some standards for documenting what we are working on, and being diligent with the use of our gitlab issue board.

○ **Past week's accomplishments**

• Kaden Wingert:

- Developed the user interface for a user to create a post
 - Includes a dropzone object to support multiple file uploads
- Added the option to filter posts on the sidebar
 - Users can filter by color, brand, season, and occasion
- Updated the team's website with the most recent reports
- Began work on pipeline to update s3 bucket with the most up to date changes when a push to master occurs
- Created AWS budget

• Gavin Rich:

- Designed profile page for website

- Added new login/signup page styling to website
- Changed styling for website navbar

• Kolby:

- Started working on the user API
- Created lambda functions for creating a user and querying all users
- Read SQLAlchemy documentation

• Logan Roe:

- Worked on and researched AWS some to get a better understanding of how it works.
- Looked into what lambdas we will need, how to develop them, and experimented some.
- Practiced some Python as that is what our lambdas will be based on and I have limited Python experience.

• Zachary Foote:

- Pitched our app idea in the PapaJohn startup company pitch competition, won 3rd place in the finale and won \$1000
- Cleaned up how posts are created on the frontend
- Set up CLI on my machine for backend and started creating a managedDB lambda

• Elyse Kriegel:

- Develop the aws infrastructure more with the aws cdk
- Created base lambdas and initial lambda code
- Create util functions and ORM objects needed for the python layer

○ **Pending issues**

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Kaden Wingert	Developed the create post-UI and added a filter option on the website. Updated the teams's website with reports. Created AWS	13	30

	Budget		
Kolby Kucera	Started working on the user API. Created lambda functions for creating a user and querying all users. Read SQLAlchemy documentation	6	18
Logan Roe	Worked with AWS some to get a better understanding. I looked into how to develop lambdas for our use case and did some experimentation. I practiced Python to get some more experience with it.	4	19
Gavin Rich	Worked on designing and implementing UI changes for website, namely for login/signup pages and the navigation bar. Created figma design for user profile page.	6	19
Zachary Foote	Competed in PapaJohn pitch competition to pitch our idea. Made post object more universal on the frontend. Set up CLI on machine for backend	7	25
Elyse Kriegel	Setup the cdk and deployed most of the needed aws infrastructure. Also created some lambda code for sqlalchemy and all the needed ORM objects. Created Util functions	10	23

- **Comments and extended discussion**

- **Plans for the upcoming week**

Kaden - Add functionality for the user to create a post and filter posts. Currently, a UI for this exists, but it doesn't actually do anything. I plan to add this logic on the front

end so the post is brought to the feed when the create button is pressed, and the filters limit the posts shown. I also want to finish the pipeline for uploading to s3 automatically.

Kolby - I am going to clean up our SQL tables. Going to remove most of what we have right now so that we can start small and increment as we add tables and relationships. I am also going to continue working on and testing the user API

Gavin - Build user profile page on website. Think of/incorporate potential user settings on website. Work more on designing product page for website.

Elyse - Start developing/researching potential AI solutions for recommendations.

Zach - Continue working on the backend, specifically creating lambdas for users and for posts. Additionally, work on creating tables for posts, and add all of the attributes that a post might have.

Logan - Work on creating some tables, such as user tables, and creating lambdas to perform some of the base functionality we need for the backend.

- **Summary of weekly advisor meeting**

We met with our advisor last week, so we did not meet with him this week.