

## *sEE/CprE/SE 491 WEEKLY REPORT 4*

*10/28 - 11/04*

*Group number: sdmay26-27*

*Project title: MYSTEM Growth Survey Tool*

*Client & Advisor: Dr. Diane Rover*

### *Team Members/Role:*

**Nina Gadelha:** Cybersecurity Developer/Pentesting

**Caleb Hemmestad:** Backend/Cloud

**Ethan Buenting:** Backend/Cloud

**Ethan Van Caster:** Developer/Client Contact

**Sam Craft:** Developer/Tester

**Ryan Mamrot:** Developer/Tester

### ○ **Weekly Summary**

- Gained access to Digital Ocean
- Added member bio with links to LinkedIn and email to the project website
- Got client feedback on layout ideas
- Worked on lightning talk slides/presentation
- Continue work on early features

### ○ **Past week accomplishments**

#### ● **Nina Gadelha**

- Continue work on delete account feature (frontend and backend)
- Tested reformatting main view (navbar, button layout, etc)
- Created/worked on lightning talk slides
- Researched MFA pros/cons and implementation
- Gained access to Digital Ocean (created login/account)

#### ● **Sam Craft**

- Logged into Digital Ocean account
- Started learning Digital Ocean UI
- Looked back at CI/CD script and verified/changed based on further digging into how it works

#### ● **Caleb Hemmestad**

- Added bios and links for team members in the project website and added new docs
- Worked on the lightning talk slides

- Got access to digital and explored the UI to better understand what the transition from AWS will look like
- Continued working on implementing tokens
- Got feedback from the client for the prototype UI for more ideas and better understand what they like and don't like
- **Ryan Mamrot**
  - Refined the overall layout and styling of the survey interface to improve clarity, consistency, and user navigation
  - Implemented smoother transitions and input validation to enhance the overall user experience during survey completion
  - Began testing portions of the updated UI on multiple devices to identify early design or responsiveness issues for future fixes
- **Ethan Buenting**
  - Got access to the Digital Ocean account Friday afternoon
    - Had to send a pricing estimate before the payment method was added, waiting for response to that estimate now.
  - Worked on S3 objects transfer from AWS to DO storage buckets as S3 is proprietary to AWS
- **Ethan Van Caster**
  - Added small screen behavior for the survey, where the question and answer stack are easy to use on a mobile screen
  - Worked on the lightning talk
  - Updated the card element to have small screen behavior

○ **Pending issues**

- No pending issues

○ **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Nina Gadelha	<ul style="list-style-type: none"> <li>● Delete account feature</li> <li>● UI format editing</li> <li>● Worked on lightning talk slides</li> <li>● MFA research</li> <li>● Gained Digital Ocean access</li> </ul>	7	33
Sam Craft	<ul style="list-style-type: none"> <li>● Logged into Digital Ocean</li> </ul>	4	25

	<ul style="list-style-type: none"> <li>● Learned UI</li> <li>● Revisited CI/CD</li> </ul>		
Caleb Hemmestad	<ul style="list-style-type: none"> <li>● Added more details to website</li> <li>● Explored Digital Ocean UI</li> <li>● Reviewed client feedback</li> <li>● Worked on tokens</li> <li>● Lightning talk slides</li> </ul>	8	35
Ryan Mamrot	<ul style="list-style-type: none"> <li>● Refined survey layout and styling</li> <li>● Implemented smoother transitions</li> <li>● Tested UI across devices</li> </ul>	6	31
Ethan Buenting	<ul style="list-style-type: none"> <li>● Created Account for Digital Ocean</li> <li>● Created pricing estimate report for ETG</li> <li>● Researched conversion from S3 objects in AWS to buckets in DO</li> </ul>	5	31
Ethan Van Caster	<ul style="list-style-type: none"> <li>● Changed survey page and related elements to have small screen behavior</li> <li>● Changed elements in admin home to adjust to small screens</li> </ul>	6	27

○ **Plans for the upcoming week**

- Nina Gadelha
  - Continue work on delete account
  - Push to main git branch (if cloud/pipeline is setup for it)
  - Work on UI formatting (navbar mainly)
  - Possibly implement other security measures or integrate bcrypt in other parts of the program
- Sam Craft
  - Help implement CI/CD from gitlab to Digital Ocean
  - Help with setup/transfer on Digital Ocean
- Caleb Hemmestad
  - Finish up the transition to Digital Ocean
  - Finish up implementing tokens
  - Change prototype UI based on client feedback

- Update website bio for team members
- Start implementing cookies
- Ryan Mamrot
  - Log in to Digital Ocean
  - Review what changes need to be made for transition to Digital Ocean
  - Continue Frontend updates
- Ethan Buenting
  - Work on conversion from S3 to DO storage buckets for object storage on users and survey results
  - Create CI/CD pipeline for git to Digital Ocean account
  - Move the link to DO DNS from Route Manager on AWS
  - Shutdown AWS entirely if the transfer gets completed this week
- Ethan Van Caster
  - Work on changing answer elements to see if different forms work better for mobile use
  - Change top and bottom banners to fit small screens

- **Summary of weekly advisor meeting**

We did not have a meeting this week due to our client being on a business trip.