

EE/CprE/SE 491 WEEKLY REPORT 4

10/21 - 10/28

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**

- Completed Design Document part 4
- Presented 'User Feature' document and sample UIs to clients during weekly meeting
- Decided to not use Qualtrics (after research and discussion)
- Continued work on Cloud transition
- Progression with implementing tokens and 'simple' frontend features

○ **Past week accomplishments**

● **Nina Gadelha**

- Work on 'Delete Account' feature
- Presented 'User Feature' document during weekly meeting
- Researched/experimented with tokens/authentication strategies to implement
- Logged into AWS to see/experiment with enabled features/capabilities

● **Sam Craft**

- Worked on prototyping a design using Qualtrics as survey tool
- Determined that it was a large scale change

● **Caleb Hemmestad**

- Made progress with implementing tokens
- Looked into Qualtrics and what they offer and how it could potentially be implemented
- Shared design layout ideas to improve PC view
- Finished the project website

- **Ryan Mamrot**
 - Reviewed how integrating Qualtrics would impact the overall functionality and data flow of the web application
 - Analyzed potential effects of the Qualtrics integration on existing backend and user experience components
 - Updated the frontend user interface to better align with the behavior and structure of a survey-based tool
 - Enhanced user interaction features to make the application function more seamlessly as a dynamic survey platform
- **Ethan Buenting**
 - Got a timeline from ETG for acquiring a Digital Ocean, should get our account either Wednesday or Thursday
 - Fixing the ECS tunnel for AWS, had some issues with permissions but I believe I have a fix
 - Updated some the .yml and .node files
- **Ethan Van Caster**
 - Fixed backend environment so that development running on local can communicate with aws database
 - Continued changing pages to accommodate small screens
 - Looked into how to make survey elements design for small screen

○ **Pending issues**

- No pending issues

○ **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Nina Gadelha	<ul style="list-style-type: none"> ● Work on 'Delete Account' ● Researched security strategies ● Clarified/corrected user features with clients during meeting ● AWS navigation 	5	26
Sam Craft	<ul style="list-style-type: none"> ● Worked on Qualtrics + current tool prototype ● Determined scale of change 	4	21

Caleb Hemmestad	<ul style="list-style-type: none"> ● Worked on implementing tokens ● Updated view ideas with feature clarification ● Added bio and docs to website 	4	27
Ryan Mamrot	<ul style="list-style-type: none"> ● Reviewed Qualtrics integration impact ● Analyzed effects on web application ● Updated frontend UI design ● Enhanced survey-style interactions 	6	25
Ethan Buenting	<ul style="list-style-type: none"> ● Got status report and timeline for DO from ETG, had some delays there ● Cleaning the CI/CD tunnel and some object files in preparation for the cloud hosting transition 	4	26
Ethan Van Caster	<ul style="list-style-type: none"> ● Fixed the backend environment so local backend can read from aws database ● Continued changing pages to accommodate small screens 	7	21

○ **Plans for the upcoming week**

- Nina Gadelha
 - Continue work on 'Delete Account'
 - Start draft of student UI
 - Research on chakra/react to determine what features can be utilized
 - Look into MFA (multi-factor authentication) and determine if possible (and useful to implement in project)
- Sam Craft
 - Finally implement CI/CD on Digital Ocean once we have access.
 - Start looking into changes/ideas talked about in advisor meeting
- Caleb Hemmestad
 - Hopefully finish implementing tokens finally
 - Gather client feedback to refine user layout concepts
 - Add new GitLab issues based on feature clarifications

- Work on upcoming lightning talk slides
- Ryan Mamrot
 - Refine the overall layout and styling of the survey interface to improve clarity, consistency, and user navigation
 - Implement smoother transitions and input validation to enhance the overall user experience during survey completion
 - Begin testing portions of the updated UI on multiple devices to identify early design or responsiveness issues for future fixes
- Ethan Buenting
 - Improve object tables on cloud for changes we discussed in our client meeting
 - Finish fixing CI/CD for AWS
 - Set up hosting on Digital Ocean once we get access after delay
- Ethan Van Caster
 - Continue changing pages for small screens, work on survey page

- **Summary of weekly advisor meeting**

During our weekly meeting, we discussed user features more in depth. We started going over a document, made to clarify which user types should have access to what features (current and future). We also presented a 'test' UI for users to obtain feedback from our clients. We updated our clients in regards to the status of cloud transferring (AWS → Digital Ocean) and decided to not utilize Qualtrics within the website, as it would limit the survey format.