

EE/CprE/SE 491 WEEKLY REPORT 1

9/15 - 9/23

Group number: sdmay26-27

Project title: INSPIRE Survey System for STEM Undergraduate Research

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

○ **Weekly Summary**

- Completed Team Contract
- Met with Client/Advisor
- Looked into AWS (and possible alternatives such as Digital Ocean)
- Brainstormed tasks for next week/report
- Took MySTEMGrowthSurvey

○ **Past week accomplishments**

- Nina Gadelha: Cloned repo/accessed github (made a [README.md](#) to test), edited team website (basic; added name, member role), researched difference between AWS and Digital Ocean (made a compare/contrast document between the two), joined team discord, took survey and tested some aspect of the current state of the website (tested different survey results and poked around for basic vulnerabilities)
- Sam Craft: Verified access to github, added my name to the team website, joined team discord, took the survey. Spent time reading through previous team's design documents and reports to understand at what point the project has been left
- Caleb Hemmestad: Added name, role, bio, and profile pic to the team website. Read some of the previous teams reports. Did the survey for better understanding of the project. Discovered major vulnerabilities in the website and got an idea for all of the features for each role (admin, program coordinator, student). Created a discord server for the team and invited everyone including the clients. Looked into possible alternatives for AWS like Digital Ocean, Cloudflare, etc. Working on getting a meeting with the previous team to better understand the limitations of AWS, why they chose it, and general structure of their design. Cloned repo from GitLab although empty.
- Ryan Mamrot: Verified access to GitHub, took the MyStemGrowth survey, added my name

to the team website, spent time reading the previous team's design document, joined the team Discord

- Ethan Buenting
 - Filled out individual profile on the project website
 - Read through documentation on the previous teams website
 - Took the MyStemGrowth Survey
 - Started scheduling a time to meet with previous groups cloud maintainers to discuss the transition of the website code, both Git and AWS
 - Investigated some potential alternatives for AWS
 - Verified Access to our teams Git
- Ethan Van Caster
 - Added personal information to team website
 - Joined team discord
 - Accessed the git
 - Read through portions of the previous teams documentation
 - Took the MyStemGrowth survey
 - Took notes on user experience of the survey to identify aspects that may need changing to improve user experience

○ **Pending issues**

- We are in the process of acquiring access to the previous team's code, both on Git and in AWS. We attempted to set a meeting for the end of Wk 4 but have not heard back on a confirmed time.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Nina Gadelha	Current state website testing, AWS vs Digital Ocean research, github clone/access/testing, website access, completed survey, attended client meeting and began reading previous team's reports/documentation	5	5
Sam Craft	Website access, team requirements, read previous team documents	4	4
Caleb Hemmestad	Team Contract, Discord, Prev. Documentation Exploration, Team Website, Alternate AWS Research, Client Meeting, Survey Completion and Notes, Discovered Vulns., GitLab Access/Clone	7	7
Ryan Mamrot	Website access, team contract, team requirements, completed survey, read	4	4

	previous team documents		
Ethan Buenting	Team Contract, Website profile, Completed Survey, Read Documentation, Research, Performed Initial steps in acquiring previous application iteration	5	5
Ethan Van Caster	Team Contract, Completed survey, website profile	4	4

○ **Plans for the upcoming week**

- Nina Gadelha: Brainstorming improvements to security (possibly attempting to solve if we have access to code), editing team website more, read through more previous teams code/documents
- Caleb Hemmestad: Previous team meeting, Testing AWS alternatives when we get access to previous teams code, Previous code set up for local development, Explore frontend and backend code, Continue reading previous teams documentation, Explore features for other roles in the website.
- Ethan Buenting: Reach out to Rover to check in on progress with setting up transfer of previous application. Research AWS semantics and usage. Review the backend of the application, namely the databases and AWS callbacks.
- Sam Craft: Work on understanding the login/registration process. Had an issue with registration and want to make sure it was on my end and not an issue with the program. Also want to look through any CI/CD tests left by the previous group to understand how the program is compiled/tested

○ **Summary of weekly advisor meeting**

We met with Dr Rover and Graduate student Yiqi Liang to discuss basic information regarding the current state of the MySTEMGrowth Survey Tool. One of the main topics was deciding if we would move forward with the usage of AWS (current status) or try to see if there is a better alternative (such as Digital Ocean). We were instructed to test out the tool by taking the survey and seeing the results. We also discussed obtaining the current tool's code (github/AWS access) and that is still in progress.