EE/CprE/SE 4920 Status REPORT 5

Date: 3/14 - 4/3

Group Number: sdmay25-24

Project Title: IINSPIRE Survey System for STEM Undergraduate Research

Client &/Advisor: Dr. Diane Rover

Team Members/Role:

- Max Strater: Frontend
- Nick Pinnello: Backend
- Alex Moeller: Project Management/Misc.
- Charlie Moreland: Backend
- Matthew Bennett: Cloud
- Landon Gulotta: Cloud
- Isabelle Raghavan: Frontend

Weekly Summary

This week, we cemented what each user role's capabilities should be and what their respective dashboards should look like. We are working on the final stages of the program coordinator dashboard, the results page, and the admin page. Cloud was able to get a URL working with our most recent changes deployed, so now anyone with the link can access the website.

Past Week Accomplishments

- Alex Moeller: Redesigned and implemented the new PC home page. Designed and implemented the PC resources page (view, add, delete resources). Planned out the remaining sprint and assigned tasks to developers. Met with Yiqi to discuss the disconnect over the PC home page and its functionality.

- Max Strater: Finished the "program help" view for the program coordinator, started work on creating a new program instance. Presented our project to university of iowa to get feedback

- Nick Pinnello: Got nextAuth files added to the project for creating an account. Added the necessary configs for detecting whether a user is creating with a Google or a Microsoft account.

- Charlie Moreland: Finished all Program Coordinator Endpoints, Admin Endpoints, and added an Excel download functionality. Troubleshot Survey Results not calculating averages correctly and fixed.

- Matthew Bennett: Setup CI/CD pipelines to not only upload the docker files to ECR but create and tag task images and then run a new revision with those tagged images on ECS.Worked with landon on getting production environment set-up. This completes CI/CD.

- Landon Gulotta: This week I was able to get the frontend ECS service connected to the backend ECS service to allow the frontend and backend to communicate with each other. Had to create a new backend service and update the frontend service. Also rolled out the production server so that we can access the URL and have frontend and backend functionality.

- Isabelle Raghavan: I integrated the actual results from the backend endpoint to display onto the graph. I also added the capability to export survey results to a pdf and worked on the feature to compare past results on the same graph

Individual Contributions

NAME	Individual Contributions	Hours this week	HOURS cumulative
Nick	- Got nextAuth files added to the project for creating an account. Added the necessary configs for detecting whether a user is creating with a Google or a Microsoft account.	8	35
Alex	Redesigned and implemented the new PC home page. Designed and implemented the PC resources page (view, add, delete resources). Planned out the remaining sprint and assigned tasks to developers. Met with Yiqi to discuss the disconnect over the PC home page and its functionality.	16	49
Matthew	ECS work, CI/CD, Docker files, Cloud doc updates	10	39
Isabelle	I integrated the actual results from the backend endpoint to display onto the graph. I also added the capability to export survey results to a pdf and worked on the feature to compare past results on the same graph	10	34
Charlie	Finished Program Coordinator and Admin Endpoints, Added Excel Generation Endpoint	6	48
Landon	Connected ECS frontend service to the backend service using environment variables/files and got the production server up and running.	13	45
Max	Finished the "program help" view for the program coordinator, started work on creating a new program instance. Presented our project to university of iowa to get	8	36

	feedback there. and fixed many styling bugs on the survey		

Plans for the Upcoming Week

- Nick Pinnello: Keep working on create account. Add backend functionality to send a new user to the database if they do not already exist. Add frontend components to make the whole page more user friendly and match our other pages.
- Alex Moeller: Finish up resource pages (delete resource), start working on "create program" pages, iterate on feedback gathered from meeting with Ally
- Matthew Bennett: Cleanup and optimize cloud resources, finish documentation for future teams on how the cloud is setup, change Ci/Cd for landons changes Charlie Moreland: Add any necessary endpoints for frontend changes from client meetings. Troubleshoot any requests not working for the frontend team.
- Landon Gulotta: For the next week I will mainly be focusing on getting the cors error I am getting when trying to run the production server and the local host. As of now only one of them may work at a time so I will be troubleshooting getting them to work at the same time.
- Max Strater: going to work on finishing up the create program page and start refactoring the survey with UIowa's feedback
- Isabelle Raghavan: I plan to finish the feature to allow you to compare past survey results with the most current one and to work on creating the admin dashboard.

Summary of Weekly Advisor Meeting

We did not meet with Dr. Rover this week; however, we have been messaging her in Discord about our final plans for the website, mostly regarding the program coordinator's view. We have agreed on what we want the final product to look like.