EE/CprE/SE 4920 Status REPORT 4

Date: 2/27 - 3/13

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

Past Week Accomplishments

- Alex Moeller: Met with Frontend team to discuss prioritization for frontend tasks. Met with backend team to ensure cohesion and alignment on tasks (endpoints) that frontend needs to continue their work. Redesigned Navbar to include new buttons and refined look/style.

- Max Strater: Finished take survey screen, started working on saving the inputs and submitting the survey. Also met with Dr. Rover and Ally to demo and get some feedback. The front-end team also met with Dr. Rover later to discuss the feedback.

- Nick Pinnello: Started to work more on the questions endpoints but after talking with Dr. Rover and the researchers at UofI, they don't think a feature to edit/add questions would be required as of now. Started coding more for survey results to better refine saving and storing data/ averages in the backend.

- Charlie Moreland: Fixed the Schema for the updated cloud database. Removed the program specific survey questions functionality. Worked on updating the simple login functionality to NextAuth. Revised previous teams code to document how graph statistics were being calculated.

- Matthew Bennett: setup ECR to hold versions of our app and connected to the ECS , switched various resources to private subnets for security, changed cloud layout to allow for separate api and web app server which will now be 2 separate ECS tasks. Cloud overview doc for Dr. Rover

- Landon Gulotta: Fully tested ECS tasks for frontend and backend code as well as the ECR. All tasks are up and running. Also looked into the ASG and the ALB and have started to get them configured for our project.

- Isabelle Raghavan: Created the frontend for the results page and met with Dr. Rover about UI suggestions following the demo with Ally

Individual Contributions

NAME	Individual Contributions	Hours this week	HOURS cumulative
Nick	Started to work more on the questions endpoints but after talking with Dr. Rover and the researchers at UofI, they don't think a feature to edit/add questions would be required as of now. Started coding more for survey results to better refine saving and storing data/ averages in the backend.	5	15
Alex	Met with Frontend team to discuss prioritization for frontend tasks. Met with backend team to ensure cohesion and alignment on tasks (endpoints) that frontend needs to continue their work. Redesigned Navbar to include new buttons and refined look/style.	5	21
Matthew	Separate Frontend and API Ecs, ECR to ECS connections, Cloud overview doc	6	21
Isabelle	Created the frontend for the results page and met with Dr. Rover about UI suggestions following the demo with Ally	4	14
Charlie	Updated User API routes to include NextAuth, Recreated Schema on new Database, Documented previous teams calculations.	5	22
Landon	Tested and deployed ECS tasks for frontend,backend, and ECR. Started work on ALB and ASG.	6	21
Max	Finished take survey screen, started working on saving the inputs and submitting the survey. Also met with Dr. Rover and Ally to demo and get some feedback. The front-end team also met with Dr. Rover later to discuss	8	20

	the feedback.		

Plans for the Upcoming Week

- Nick Pinnello: Look more into how we can export data to an Excel spreadsheet for survey results. Will look over the break to make sure I can implement a feature like this when we are back.
- Alex Moeller: Implement the new "constant flow" dashboard style for the student view. Create dashboards for other types of users to prepare for user typing and next steps. Make sure team is connected and on the same page for future weeks.
- Matthew Bennett:
  Charlie Moreland: Complete the NextAuth integration for user login, add different routes for admin and program manager functionalities. Add program routes for the user signup page.
- Landon Gulotta: For next week I will be working on finishing up the ASG and ALB configuration. Also looking to get both of these connected with the ECS tasks and running without errors.
- Max Strater: finish working on the form functionality to be able to save/submit answers
- Isabelle Raghavan: Planning to switch the format of dashboards to scrolling as suggested by Dr. Rover and to get the backend integrated with the frontend for the results page

Summary of Weekly Advisor Meeting

With Dr. Rover, we talked about the progress each team has made. She was happy with the results of the demo overall, but we talked about some additional things she would like to see with the remainder of the semester.