

EE/CprE/SE 4920 Status REPORT 3

Date: 2/14 - 2/27

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

We met with Dr. Rover twice (on Mondays) and also had our meeting with the TA. We discussed our project and we reinforced our belief of getting a simpler project with solid working features instead of casting our net too thin. Our team has made great progress over the last two weeks, intending to have the first demo next Monday, March 3rd.

Past Week Accomplishments

- Alex Moeller: Developed weekly stories for the frontend team to organize our time and efforts. Developed a significant portion of the Student Dashboard Page. Created page routes for almost every planned page.
- Max Strater: Started developing the "Take Survey" screen, implementing the API call to the backend to get all the questions and displaying them with their corresponding input types. Started working on a bit of the styling for the page as well.
- Nick Pinnello: Worked on questions API routes and getting them connected to frontend applications and SQL schemas. Created a document with Charlie for future API endpoints we need to implement and split up the work within that.
- Charlie Moreland: Created the Program API Routes and started work on User API Routes. Met with Nick to split up backend work and schedule out the rest of the semester.
- Matthew Bennett: Setup ECR, Setup query optimizations on the RDS prisma queries and setup multi AZ Zones for the DB, ECR has automated backdrop retentions policy, Planned out ALB setup, Changed from Serverless RDS to just a instance
- Landon Gulotta: Started work on the ECS to ECR and RDS connection. ECS is set up but still working on the service that connects the ECS and RDS. Began work on this but requires troubleshooting and testing.
- Isabelle Raghavan: Created the results page and the graph creation functions.

Individual Contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Nick	Worked on questions API routes and getting them connected to frontend applications and SQL schemas. Created a document with Charlie for future API endpoints we need to implement and split up the work within that.	5	9
Alex	Developed weekly stories for the frontend team to organize our time and efforts. Developed a significant portion of the Student Dashboard Page. Created page routes for almost every planned page.	10	16
Matthew	RDS Changes, ECR setup, Updated cloud plan	6	15
Isabelle	Created the results page and the graph creation functions.	4	10
Charlie	Worked on Program API routes and User API routes. Created document for frontend with API routes and documentation.	4	15
Landon	ECS setup and task definition setup, Updated Cloud plan and progress.	5	14
Max	Started developing the "Take Survey" screen. implemented the API call to the backend to get all the questions and display them with their corresponding input types. Started working on a bit of the styling for the page as well.	6	12

Plans for the Upcoming Week

- Nick Pinnello: Continue to finish up questions API routes and have that pushed before our demo next Monday. Transition to working on results endpoints so we can better display user results.
- Alex Moeller: Continue working on the student dashboard page. Particularly, routing and mobile view flexibility.
- Matthew Bennett:
Charlie Moreland: Complete the Users API routes, transition the current DBs to the new DB set up by cloud. Map out the integration of NextAuth into the user's API.
- Landon Gulotta: I will work to test the connection between the ECS, ECR, and RDS. I will troubleshoot any errors and test to make sure everything is connected before we move on.
- Max Strater: finish the styling on the survey screen and start working on the form functionality to be able to save/submit answers
- Isabelle Raghavan: Plan to get the endpoint for the user results and integrate it with the frontend logic to get full functionality for the results page

Summary of Weekly Advisor Meeting

With Dr. Rover, we talked about the progress each team has made this last week and the upcoming plan for a demo at our next meeting. We reinforced our belief in getting a simpler project with solid working features, and adding additional functions/ features as we make our MVP.