
EE/CprE/SE 491 WEEKLY REPORT 2

9-19 – 9-26

Group number: sdmay25-24

Project title: IINSPIRE Survey System for STEM Undergraduate Research

Client &/Advisor: Diane Rover

Team Members/Role:

Landon Gulotta: Security/AWS
Isabelle Raghavan: Frontend
Max Strater: Frontend
Alex Moeller: Cloud/Rover/Figma
Nick Pinnello: Backend
Matthew Bennett: Cloud AWS

(All the above information should be there in each weekly report. The format/color scheme etc need not be the same. However, please remove everything that is in a bracket from your final submission. These are just part of the template and need not be a part of the report.)

- **Weekly Summary** (Short summary about what the group did for the week. This should be about a paragraph in length. These are just a few questions to help you get started. What was the overall objective for the week? In general, what tasks were completed? Were there any changes made to the project?)

This week we wanted to get access to the previous project code as well as any of the credentials we needed to start more research on the project. We did receive the previous code and some credentials from our advisor. We also wanted to start working on the project's website for our group. We have begun the work on it but it still needs to be finished. We also met with our advisor as well as our Graduate Advisor for more insight about the project and the expectations we are looking to meet. Overall, as a group we met all the expectations we had for this week and will be looking more into the design of the project next week.

Past week accomplishments *(Please describe/summarize as to what was done, by whom, when and, collectively as a group. This should be about a paragraph or two in length. Bulleted points are acceptable as well. Please keep only your technical details related to your project. Figures, schematics, flow diagrams, pseudocode, and project related results are acceptable, but please ensure that they are legible (clear enough to read) and to provide an explanation. If researching a topic, please add a few details about what was learned and how it is relevant to the project. If two or more people worked on a single task, be sure to distinguish how each member contributed to the task. Specific details relating to the assistance provided to other members may be included here. **Do not include classwork, such as individual reflection assignments, and group meetings as part of your duties.**)*

Landon: Gained access to the previous code used for the project. Started looking at the security features in the code. Also received more credentials for tools that were previously used by the last team. Got access to our group Figma page to start our design of the project.

Nick: Took the survey from the previous group. Got access to the previous code and looked through some of the backend and the javascript libraries used. Brainstormed ideas on possible improvements with all aspects of the project.

Isabelle: Took the survey and made notes on areas of improvement, especially pertaining to frontend. Looked through the frontend code to see how the project was structured. Got access to our group website and added my member profile and our first report to the website.

Max: Looked through the most of the frontend code to see how the past team was setting everything up also created a Figma workspace for the team to create a redesign proposal for the look/layout of the website. Plus took the survey

Matthew: Finally got access to last year's teams account and code. Spend a decent amount of time reviewing the code and cloud setup and drafting a proposal for changes to some of the Cloud and infrastructure setup

Alex: Began researching and developing potential color schemes and front end design ideas. Took survey and made notes of improvement areas. Gathered further requirements from Faculty Advisor in weekly meeting and created new communication channels in our team discord.

Charlie: Gained access to the previous team's code. Read through the previous code to understand the previous system architecture and understand the previous backend

structure and javascript libraries used. Troubleshooted gaining access to the team website files, downloaded an smb client to gain access to the website folder.

- **Pending issues** *(If applicable: Were there any unexpected complications? Please elaborate.)*

Landon: No pending issues at the moment.

Alex: No issues other than code accessibility

Nick: No unexpected complications as of right now

Matthew: Past Project has no mention of CI/CD pipelines will likely need to be set up for our iterations on the project. I have no idea how they managed deployments so I will need to dig further into the code to see if there is anything salvageable

- **Individual contributions** (Creating this section is optional, but it is **Required** to include the “Hours Worked for the Week” and their “Total Cumulative Hours” for the project for each member somewhere relevant in your report. Your individual weekly hours should be at a minimum of 6-8 hours for this course. So please manage your time well. Also, ensure that individual contributions support your claim to the weekly hours. Be honest with the reports.)

<u>NAME</u>	<u>Individual Contributions</u> (Quick list of contributions. This should be short.)	<u>Hours this week</u>	<u>HOURS cumulative</u>
Landon Gulotta	Started to look at previous code as well as how to access the tools they used. Looked into the previous survey to see what could be improved and updated.	6	12
Matthew Bennett	Got access to code and cloud accounts. Drafted proposal for multiple changes to cloud infrastructure such as switching from api gateway to a ORM and setting up CI/CD pipelines for auto deployment	6	12
Alex Moeller	Began researching and developing potential color schemes and front end design ideas. Took survey and made notes of improvement areas. Gathered further requirements from Faculty Advisor in weekly meeting and created new communication channels in our team discord.	6	12
Isabelle Raghavan	Took the survey and made notes on areas of improvement, especially pertaining to frontend. Looked through the frontend code to see how the project was structured. Got access to our group website and added my member profile and our first report to the website.	6	12
Charlie Moreland	Analyzed previous code to understand system architecture as well as the structure of backend code, troubleshooted gaining access to the shared team website files	6	12
Nick Pinnello	Took survey from the previous group. Got access to the backend code and looked through the different clients/ javascript files. Made notes on improvements for the whole project.	6	12
Max Strater	Created Figma workspace for the team. Dove through the frontend code to see how they set up the structure of everything.	6	12

- **Plans for the upcoming week** *(Please describe duties for the upcoming week for each member. What is(are) the task(s)?, Who will contribute to it? Be as concise as possible.)*

Landon: Work on the project website for personal portion as well as the description. Start looking more into the security features in the code as well as the overall tools that the previous owners used for the project. Get into AWS using the previous credentials and see how the previous team set that part of the project up.

Nick: Continue to look over the backend code and understand their system more. Research better or more efficient ways we can make the backend run more smoothly. I will create my profile on our team website so we can start making that part of the project.

Isabelle: Work on creating designs for the UI using Figma and look into the component libraries and frameworks we can use to implement those designs. Also want to continue to look through the existing front end code so we can figure out a good approach for migrating the old components into our new version of the website.

Max: Work on the Figma redesign, and look into component libraries to help implement new designs that Alex is talking about with the new buttons, dropdowns, etc and also going to go through all the files and see what can be optimized.

Charlie: I am going to dive deeper into the backend code to continue to understand the code structure looking for opportunities for improvement . Research potential other backend options besides javascript I have worked with php and java in the past so going to check those out compared to javascript as well as the system architectures I am familiar with Model View Controller from previous projects so am going to see if that can be applied in this sense. I am going to create my profile on the project website as well and help edit any other required information on the page.

Alex: I want to finalize a color scheme and general design concept for the ne frontend screens. I also want to create basic component designs like a logo, nav bar, footer, chart/graph display, and assemble some common clickable items like buttons, dropdown/select menus, etc. These will be repeated across the frontend design and allow the frontend portion of the start working on that aspect. Additionally, I want to work with Landon and Matthew to take a look at existing cloud structure and create a plan for that.

Matthew: Work with Landon to finalize a plan for changing / adding to our cloud /infrastructure and start documenting how we will accomplish that. The api gateway -> Prisma ORM will likely be the first thing we start on as it affects the backend team

○ **Summary of weekly advisor meeting** *(If applicable/optional)*

(Provide a concise summary on the contents and progress made during the advisor meeting.)

Met with our advisor as well as introduced ourselves to Yiqi (Graduate Advisor) to go over next steps and more detail on what the expectations are for the overall project. Changed our communication system around a bit to make it easier for us to communicate with the University of Iowa as well as the previous project members. We also explained how we divided up our project between our team members and asked the questions we had about our project. We will not be meeting with our advisor next week since she will be out of town but we got enough information from this meeting to know what we need to be doing for the project.