EE/CprE/SE 491 WEEKLY REPORT 8

Date: 10/31 - 11/7

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

Set up Jira project management software to help with planning, organization, task distribution, and tracking. Scheduled meetings with various outside resources like ETG and U of Iowa, as well as discussed meeting with Survey Specialists at Iowa State to discuss possible tweaks to our survey setup.

Past Week Accomplishments

- Alex Moeller: Assisted frontend with Figma designs. Created a Jira page for the project. This platform acts as a project management, planning, and tracking tool that will be incredibly useful as we begin coding and breaking up tasks for each person. I have created some basic "Epics" (large goals like "complete redesign for an Admin user") and some various breakdowns of those large tasks.

- Max Strater: Created new figma designs for the survey based on the different types of inputs (multi-select, single-select, slider, agree/disagree, etc..) also created a Figma design for the admin to create/edit surveys.

- Nick Pinnello: Looked into previous teams database schema and started to map out the logic of generating the bubble graphs from user response data. Worked on the lightning talk and design document 4.

- Charlie Moreland: Finished the excel template for surveys. Developed a python script to parse the excel file given to get the survey questions and range that should be used for each question. Looked into the backend of the previous team's project and started to map out the logic of generating the bubble graphs from user response data. Worked on the lightning talk and design document 4.

- Matthew Bennett: Worked with ETG team to set up a system so that future teams can continue to work on this project from where we left off and not have to restart from scratch. Reviewed and made suggestions on the Figma file, and started salvaging previous code.
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- Landon Gulotta: Started looking through previous teams AWS cloud formation and what our team could salvage from it. Got an email back from ETG, set up a meeting with them for the next steps in the process. Also worked on 491 team assignments with the group.

- Isabelle Raghavan: Created a new landing page design and worked on finishing user dashboards so we can present our designs to the UofI.

Pending Issues

- Landon Gulotta/Matthew Bennett: Waiting for ETG to confirm a meeting time and set up our AWS account.

Individual Contributions

NAME	Individual Contributions	Hours this week	HOURS cumulative
Nick	Deep dive into previous teams database setup and schemas. Incorporated all previous design ideas into design document 4.	6	54
Alex	Assisted frontend with Figma designs. Created a Jira page for the project. This platform acts as a project management, planning, and tracking tool that will be incredibly useful as we begin coding and breaking up tasks for each person.	6	55
Matthew	ETG meeting setup, setting up systems for future team , UI suggestions. Finalizing setup of cloud infrastructure account	6	54
Isabelle	created a new landing page design and worked on finishing user dashboards so we can present our designs to the UofI.	6	54
Charlie	Created python script to parse survey excel file. Worked on lightning talk and design document 4.	6	54
Landon	Started the process of looking through the previous team's code. Set up a meeting time with ETG to go over the next steps of getting a new AWS account.	6	54
Max	Created new figma designs for the survey based on the different inputs, created figma design for admins to create/edit surveys	6	54

Plans for the Upcoming Week

- Nick Pinnello: Talk with Charlie about what we want to ask University of Iowa in terms of questions for surveys. Connect to AWS account and get old teams server to run so we can test the prototype before developing our own.
- Alex Moeller: Continue working on Jira platform integration to provide accurate stories and backlog for backend, frontend, and cloud to work off of.
- Matthew Bennett: Landon and I are meeting with ETG to finally setup a new cloud account and will start provisioning resources once setup.
- Isabelle Raghavan: Max and I are going to meet with Naifa from HCI next week to go over our UI design and get feedback. Planning to set up a time with the University of Iowa to get their input so we can go forward with creating a prototype for the end of the semester.
- Charles Moreland: Pending New AWS account will hopefully create a simple nodejs server to run. Create a document mapping out the exact logic the previous team was using to generate bubble charts. Prepare questions for the university of Iowa that will be attending our weekly meeting.
- Landon Gulotta: Hopefully meet with ETG and get our AWS account fully set up. Once that account is set up, salvage some code from the previous team and see how we can use it. Also look into implementing some of our new cloud formation applications.
- Max Strater: Isabelle and I have a meeting with Naifa from HCI to go over our survey design and get feedback on what we can change to make the survey more engaging.

Summary of Weekly Advisor Meeting

This week we met with Dr. Rover to discuss our weekly progress. Frontend discussed their goals of finalizing the Figma design after getting feedback from Naifa and University of Iowa. As a team, we would also like to schedule a meeting with CSSM to learn how to format the survey itself. Backend team is waiting to hear from the University of Iowa on how they're computing their results to display in the bubble chart, and the cloud team is waiting to hear back from ETG to set up the new AWS account.