

EE/CprE/SE 491 WEEKLY REPORT 9

Date: 11/7 - 11/14

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

Cloud team met with Jason from ETG to set up the AWS account and a git repository. We researched data collection techniques for certain question topics and took advice from the U of I meeting on how to go about collecting the data. Next Steps will be to set up a meeting with CCSM to talk about data analysis with survey questions.

Past Week Accomplishments

- Alex Moeller: Joined meeting with Allie from U of I to discuss questions about the survey, its usage, and various other project aspects. Using these discussions, updated some Figma design concepts and created more Jira stories as a result. Discussing with CCSM to plan a meeting time for this upcoming week.
- Max Strater: Had a meeting with Ally from the University of Iowa to go over and clarify the next steps and application for our version 2.
- Nick Pinnello: Talked with the University of Iowa rep about some backend data structures and how they want questions/ results stored.
- Charlie Moreland: Reconfigured the database schema to address the additional features that we discovered for the research user. Continued to develop the python script to parse an excel file of the survey and insert them into a database table.
- Matthew Bennett: Finalized AWS architecture with ETG. Decided on taking down the old AWS infrastructure on the same account post December and rebuilding with our new plan. Working on getting a github account setup through Iowa State to allow for future teams to easily continue work
- Landon Gulotta: Met with Jason Boyd from ETG to figure out the accounts for GIT and AWS. With that information we talked to our client and figured out what option we are going with. Emailed ETG back and they have begun setting up our accounts for both GIT and AWS.
- Isabelle Raghavan: Met with Naifa from HCI to discuss survey improvements. Had a meeting with Aly from UI to discuss next steps for version 2 of the application.

Individual Contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Nick	Worked on prototype slides to show the current state of project. Met with U of I about the structure for backend data.	6	60
Alex	Joined meeting with Allie from U of I to discuss questions about the survey, its usage, and various other project aspects. Using these discussions, updated some Figma design concepts and created more Jira stories as a result. Discussing with CCSM to plan a meeting time for this upcoming week.	6	60
Matthew	AWS infrastructure implementation, Beginning to setup Github and pipelines	6	60
Isabelle	Met with Naifa from HCI to discuss survey improvements. Had a meeting with Aly from UI to discuss next steps for version 2 of the application	6	60
Charlie	Developed a list of questions to ask the University of Iowa. Updated schema adding tables to address researcher user cases. Updated the excel file parser to meet the updated table schema.	6	60
Landon	Met with Jason Boyd to set up GIT and AWS accounts. Started looking into what we can access and implement for AWS.	6	60
Max	Had a meeting with Ally from the University of Iowa to go over and clarify the next steps and application for our version 2.	6	60

Plans for the Upcoming Week

- Nick Pinnello: Get old groups database schema running so we can display questions and each of their type based on our meeting results. Figure out a better way to group questions/ topics so the user still answers all questions accurately.
- Alex Moeller: Continue working on Jira platform integration. Continue discussing with CCSM to find a meeting time to discuss survey adjustments for better numerical results and user experience.
- Matthew Bennett: Getting added as Owners of the AWS account, Getting the shared git repository set up, Basically just credentials setup working with ETG
- Isabelle Raghavan: Plan to make the changes suggested by Naifa on our figma design and create a mobile design
- Charlie Moreland: Need to work with Nick to plan out the different user functionalities from a backend sense. Download the DB from the old AWS account and look through the data. Start messing with express framework and testing getting a database connection working.
- Landon Gulotta: For next week, I am going to work with Matthew to get a pricing report for Jason from AWS. We are also going to look into new implementations for our cloud infrastructure. Also need to make sure all the credentials are set for GIT and AWS for the rest of our team.
- Max Strater: Implement the changes that HCI and Ally suggested into our figma design

Summary of Weekly Advisor Meeting

Met with the University of Iowa and asked questions about project structure and what changes we can make to the question layout. Discussed how data/ results will be recorded and sent back to the user. The cloud team discussed the ETG meeting with Dr. Rover and planned out how they want to set up the AWS account for our prototype.