
EE/CprE/SE 491

Iowa State A.I. Schedule Companion

Weekly Report #9

Wednesday, April 3 - Tuesday, April 9, 2024

Group number: ssdec24-08

Client: Koby Fowler

Faculty Advisor: Abraham Aldaco

Team Members:

Koby Fowler - Overall Application Leader

Chandrashekar Tirunagiri - Frontend Design Leader

Raghuram Guddati - Backend Design Leader

Jacob Paustian - Artificial Intelligence Research Leader

Christian Deam - Meeting Manager

Anna Huggins - Team Manager/Communicator

Weekly Summary

Our primary focus throughout the week was working alone or on the presentation. Handling the presentation exceptionally well, we now divert back to our primary goal of completing the project.

Past Week Accomplishments

Deployment & Integration - Koby Fowler

- Nailed researching deployment strategies for smooth operations.
- Mastered integrating the backend with the frontend for a seamless user experience.
- Streamlined communication between different parts of the project.

UI Updates & Research - Chandrashekar Tirunagiri

- Fixed some of the changes on the UI so it looks better
- Researched other components to add to our application

Backend & Research on AWS - Raghuram Guddati

- Wrote Terraform scripts for our backend tables.
- Did a little bit of research on AWS and deployment.
- Did a little bit of research on the connection between backend and frontend.

Lightning Talk Prep - Jacob Paustian

- Lightning Talk prep work

Lightning Talk 6 & SQL - Christian Deam

- Lightning Talk 6
- Tinkered with SQL some more

Updates to User Info Page - Anna Huggins

- **Updates to the User Info Page**
 - Added new menu bar to top of page (from Chan's branch, fech-login)
 - I struggled through some logic issues when updating different user interface components, but have found a decent solution for the time being
 - Added list sub headers for majors list

Majors
▼

Figure 1.0: Screenshot of User Info Page



Figure 1.1: User Info Majors List ALS Subheader.

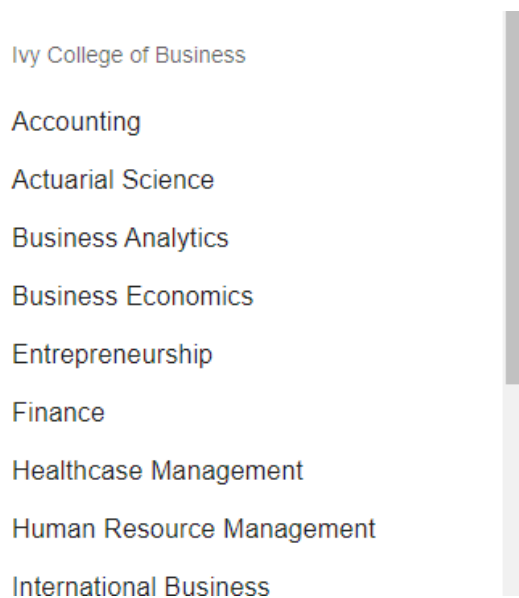


Figure 1.2: User Info Majors List Business Subheader.

Individual Contribution Tracker

| Name | Individual Contributions | Hours this Week | Hours Cumulative |
|------------------|---|------------------------|-------------------------|
| Raghuram Guddati | - Terraform scripts for our backend tables. - Research on AWS and deployment. - research on the connection between backend and frontend. | 2.0 | 31.5 |
| Christian Deam | - Lightning Talk 6 - Tinkered with SQL bench | 2 | 24.0 |
| Jake Paustian | - Lightning talk prep work | 2.5 | 34.5 |
| Anna Huggins | - Created graphs from Qualtrics survey data - Updated User Info page with updated menu bar (from Chan) - Updated select menu for User Info page | 3.5 | 35.5 |
| Chandrashekar | - Fixed some ui issues - Did research on other MUI components we use | 2.0 | 32.0 |
| Koby Fowler | - Research - Integration - Streamlined communication | 5.0 | 51.0 |

Pending Issues

Issue #2 - Integration of Authentication System

- **Koby Fowler**
 - Status: Open (1/5) [IMPORTANT]
 - Get a Mock User Run going ASAP (allow a user to generate a schedule, and that schedule will be saved to their account)
 - Status: Pending (3/5)
 - Revolves around the seamless integration of the new authentication system with the front end.
 - While authentication ideas have been explored, further work is needed to ensure a smooth implementation and user experience. Additionally, addressing potential challenges or compatibility issues during the AWS account migration remains an ongoing

concern. It is crucial to thoroughly assess and resolve these pending issues to guarantee the successful continuation of the project.

- Status: Pending (3/26)
 - Still awaiting mock user testing.
- Status: Pending (4/2)

Plans for the Upcoming Week

Koby Fowler

- Start implementing the deployment strategies we researched
- Focus on testing and debugging the integrated backend and frontend
- Plan and execute effective communication channels to ensure smooth progress

Chandrashekar Tirunagiri

- Work more on the frontend task, especially making the home screen more informative
- Plan to research prompt engineering, as we will be using this in our project

Raghuram Guddati

- Work on the connectivity between the Backend and frontend.
- Research more about AWS and deployment.

Jacob Paustian

- Meet with Koby about the backend. The backend needs to be done, and it keeps getting pushed back.

Christian Deam

- Help with the backend more

Anna Huggins

- Update Senior Design Website with new reports and pictures
- Reconvene with Chan about frontend development