

CS 463: Senior Software Engineering Project

Roles

Prototype a web-based tool for creating and executing task-delineated, collaborative, AI-assisted assignments

Group 28

1. Overview

Our team is divided into 5 roles that focus on different aspects of the project. We divided these tasks up into 3 development roles, a management role, and a documentation role. Since our app has a frontend and backend, we made 2 of those roles focused on each aspect of the project, then the third developer helps out with AI integration because they are in the special AI pathway in their CS program.

This documentation contains our roles and general responsibilities, as well as a short write up about what they contributed in the spring term.

In the fall term, the project management, communication and writing aspects of the project were emphasized, so the support roles were mainly contributing. In the winter term, things were mostly development focused, so the three developers contributed the most. In the spring term, there is a mixture of finishing development and presenting and writing for the project, so all roles contributed significantly to our team this term.

2. Team Members and Roles

Oliver Zhou – Project Manager

General role:

- Responsible for managing the team; internal communication
- Project organization and planning
- Class submissions and writing; class-related communication
- Speaker and presentation

Spring contributions:

Mainly handled internal communications and class submissions for this term, working on the project presentation and project board for the senior capstone expo where the app will be demonstrated. Additionally, organizing and writing documentation is a focus of his role. Mainly contributed to the project in fall and spring, where writing and presentation tasks were heavy.

Collin Kimball – Frontend/Developer

General role:

- Main developer
- External communication for the app/project itself
- Develops the UI and frontend
- Project structure/Deployment

Spring contributions:

Continued working on features alongside the project mentor, finishing off the project and handing deployment of the project. Many implementations are designed by Collin to be integrated into the app, alongside Trent. Collin's role primarily contributes in the winter and spring term of our project where development took place.

Trent Matsumura – Backend

General role:

- Handling the backend technologies in the app
- Working with AI expert in connecting the app together
- Developing other features necessary
- Database management

Spring contributions:

Trent continues to work on the project similarly to Collin in implementing features exactly how they did in the winter term. He primarily focused on javascript and backend features, and communicated with Ethan for collaboration. His role also contributes mainly to the winter and spring development terms.

Ethan Lu – AI Expert/Integration

General role:

- Informing and handling AI features in the app
- Assisting development wherever needed
- Technical documentation for AI features

Spring contributions:

Any AI related tasks are still his responsibility, tuning or development related. Whenever he does not have AI tasks to be working on, then he will collaborate with one of the other developers or will help out Oliver with project submission/presentation related stuff.

Sai Anand – Documentation

General role:

- Writing and organizing documents for the team
- Class submissions and writing
- Documentation for various aspects of the project, technical/non-technical
- Writing Sprint Logs

Spring contributions:

Sai organized much of our documentation this term, and worked alongside Oliver in writing majority of the documents for the project, technical and non-technical documentation, user guides, READMEs, and project retrospectives and sprint logs. Much of Sai's work was in winter and spring, where he wrote development focused documentation, and organized our documents for the end of the spring term.

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