

# 1. AI Reflections

## 1.2.1 - Technologies Used:

- Github Copilot with integration to ChatGPT 4o and Claude 3.7
- Deepseek

## 1.2.2 - Goal:

- As always, the goal of using these technologies was to reduce workload when working on this milestone and generating tests

## 1.2.3 - Advantages:

- AI writes code faster than a human possibly can
- AI already knows how to use tools like jest, docker, and github actions
- We found the github actions setup to be very smooth to integrate

## 1.2.4 - Disadvantages:

- The system is getting too large for LLMs to understand, and it sometimes can't include the relevant parts of the codebase into the necessary context window
- We found this meant the AI struggled to generate our mock tests

## 1.2.5 - Technology Reliance

- Close to 90% of the backend tests were generated entirely with AI

# 2. Contributions

**Connor Johst:** For milestone 5 I wrote the backend tests for everything but Auth and non-functional requirements, including all the documentation. I also integrated the github actions workflows for deploying and running the tests against our dockerized test environment in the cloud. Overall I spent about 30 hours on these tasks.

**Maddy Paulson:** I wrote the frontend tests for the Find Group test case and the Navigate to Existing Group use case. I created the login function to run before tests. I also edited the documentation to match our implementation. I spent about 30 hours on these tasks.

**Jake Rubin:** I wrote the frontend tests for the Submit Report use case, assisted in debugging the setup function running before each test. I also helped in reducing Codacy errors. I spent around 15 hours on this milestone.

**San Halacoglu:** I wrote backend tests for the Auth Controller and Non Functional Requirements. I set up Codacy. I spent 15-20 hours on the milestone.