

Project Summary

Our project allows users to create and keep track of their own topics, notes, quizzes, and flashcards to help them study. They can also share their study material with other users, search for other user's study material, and join study groups. Users can also search for and use other user's shared study notes.

Task breakdown:

Writing/designing SQL queries, including table creation, populating the database, etc: Everyone

UI design: Maggie

Project repo setup: Emma

System architecture design: Everyone

Set up authentication: Oscar

Backend: Oscar

Frontend - Pages: Explore + Search, Topics, Profile, Achievements, Groups : Maggie

Frontend - Pages: Topic, Quiz, Notes, Flashcards, StudyNote settings, Topic settings: Emma

Other Milestone 4 Deliverables: (README, GUI screenshots, etc): Everyone

Timeline:

March 6 - March 7: Design UI wireframe - Everyone

March 6 - March 10: Set up project repo with populated database, a functional frontend that can call the backend and fetch data from the database - Emma

March 6 - March 11: Finish UI design - Maggie

March 11: Setup frontend structure - Maggie, Emma

March 11- March 12: Design system architecture, come up with all SQL queries, map UI elements to backend API calls (We can only come up with a more detailed timeline for the backend after this step) - Everyone

March 10 - March 13: Finish setting up authentication - Oscar

March 13 - March 14: Make data models for all SQL tables, and test them to make sure they all work - Oscar

March 13 - April 1: Finish backend - Oscar

If we finish the backend early, add AI capabilities - Everyone

March 11 - April 1: Finish Frontend - Maggie, Emma

April 1 - April 3: Integrate frontend and backend - Everyone

April 3 - April 5: do all project deliverables (README, GUI screenshots, etc) - Everyone

April 12: Prepare project demo - Everyone

Challenges:

1. We are all unfamiliar with our tech stack as we wanted to try something new (mobile app development) so there may be unexpected challenges throughout the coding process. To counter this, we will all do research on all the new technologies and help each other out if one of us gets stuck
2. Authentication can be hard to implement, especially using an unfamiliar tech stack, so we planned extra time for that and will all work on it together if it is very challenging

3. Our UI is very fancy and has many features, so we will aim to create a MVP first, and only if we have enough time, will we add on more features such as note scanning, AI note parsing, etc