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CS 30700
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Project Charter

Project Idea: Study Group Finder

Problem Statement

Students often struggle to find study partners outside their immediate friend groups, limiting collaborative learning opportunities. While existing platforms like BoilerLink facilitate large-scale events, they lack flexibility for casual, small-group study sessions. Our application directly connects students based on shared classes, study interests, and availability, enabling more effective academic collaboration.

Project Objectives

- Provide a platform for students to connect with peers studying similar subjects or assignments.
- Enable students to create profiles that showcase subject interests, priority assignments, and available study times/locations.
- Offer search and filtering options based on class, subject, assignment type (e.g., exams, homework), availability, and location.
- Implement a built-in messaging system for direct communication and study session coordination.
- Provide forum pages for general discussions and class-related questions to foster peer learning.

Stakeholders

- **Users**: University students seeking study groups

- **Developers**: Ayush Bindal, John Brooks, Manoah Inje, Jalen Mann, Zhaorong Tu
- **Project Manager**: Alex Frey
- **Project Owners**: Ayush Bindal, John Brooks, Manoah Inje, Jalen Mann, Zhaorong Tu

Deliverables

- **Web Application (Frontend)**: A React-based interface that allows users to create profiles, search for study partners, and schedule sessions.
- **Backend Infrastructure**: A Spring Boot and PostgreSQL backend to handle API requests and store user data persistently.
- **Messaging System**: Integrated direct messaging for students to coordinate study sessions.
- **Database Managemen**t: A SQL-based system to track user profiles, preferences, and upcoming study sessions.