Ayush Bindal, John Brooks, Manoah Inje, Jalen Mann, Zhaorong Tu (Group 14)

Professor Xiangyu Zhang

CS 30700

January 28, 2025

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.