

Team 8 Project Charter

Scholasticate

Team Members:

Daniel Karagory, Andrew Lanham, Jackson Rosenberg, Colston Streit, Devin Vering, Ethan Zhu

Project Title:

Scholasticate - Locating scholastic aid near you!

Problem Statement:

Many students are forced to work individually on schoolwork around campus because they don't know anyone in their class, and at the moment they need help, many people struggle to break the ice and seek out the help they need from their peers. Scholasticate fixes this problem by using location services to find students nearby who are studying the same topic and bringing these students together for a more productive and collaborative study session. While there are many applications out there already that work to find "study buddies," there aren't any that use location services as explicitly as Scholasticate or that group students by the specific classes that they are taking.

Project Objectives:

- Build a website designed for students to connect with each other while on campus with real-time updating of location services.
- Develop a real-time geolocation service for all users with individual filters to help find compatible peers
- Implement user profile settings page with customizable settings to specify current course and status
- Integrate direct messaging system to allow students to connect on the website before meeting in-person
- Dual user interfaces consisting of a map showing all user locations and a list of all users organized by distance.
- Include a "study group" feature with a clear distinction of already paired students looking for others on the map / list.
- Create a database of users to allow students to save their preferences and classes with a simple authentication system

Project Stakeholders:

Users: Students who are looking for help with specific classes from people nearby.

Developers: Daniel Karagory, Andrew Lanham, Jackson Rosenberg, Colston Streit, Devin Vering, and Ethan Zhu

Project Coordinator: Rylan B. Kasitz

Project Owners: Daniel Karagory, Andrew Lanham, Jackson Rosenberg, Colston Streit, Devin Vering, and Ethan Zhu

Project Deliverables:

- A React.js front-end for displaying user profiles and all online users searching for study partners or groups
- A geolocation service API for enabling real-time updates of all user profiles
- Direct messaging system to allow students to connect on the website before meeting in-person
- A Python back-end for updating user information, storing all user changes and sending information from database to other users
- User authentication with simple login functionality
- Server-side SQLite database to allow students to save their profile data and personal settings, as well as storing data about study groups currently in session