

Sprint 1: Foundation & User Identity

This sprint focuses on building the core user account and profile features. This is the **most crucial sprint** as it establishes the foundation for all other functionalities. The user stories from Epic 1 are prioritized here.

- **Goal:** To enable users to sign up, log in, manage their basic profile, and add their courses. This creates the essential user identity layer required for matching and scheduling.
- **User Stories to Develop:**
 - **New User Registration:** Implement the sign-up form with all validation rules (Clemson email, password length, etc.) and the redirection logic.
 - **User Login & Logout:** Build the secure login and logout functionality, including session management and error handling for invalid credentials.
 - **Basic Profile Management:** Create a profile page where users can view and edit their name and major.
 - **Course Management:** Add the functionality to let users add and remove courses from their profile. This is vital for the matching logic later on.

Sprint 2: Matching & Scheduling Logic

This sprint builds upon the foundation from Sprint 1 by introducing the core matching and scheduling features. It combines user stories from Epic 2 and Epic 3 to create a basic, but functional, study session workflow.

- **Goal:** To allow users to find and schedule a study session with another student.
- **User Stories to Develop:**
 - **Search for Classmates:** Implement the search functionality to find other students based on shared courses. This is the first step in the matching process.
 - **Set Availability:** Develop a calendar grid or a similar interface where users can set their weekly availability.
 - **Send a Session Request:** Build the functionality for a user to send a study session request to a classmate they've found. This requires the system to check for shared courses and selected time slots.
 - **Accept/Decline Request:** Create the notification and action flow for a user to either accept or decline a pending study session request.

Sprint 3: UI/UX Refinement & Advanced Features

This sprint focuses on enhancing the user experience and adding "quality of life" features, turning the functional app into a more polished and usable product. It addresses the remaining user stories and improves the user interface.

- **Goal:** To provide a better user experience by giving users a clean dashboard, suggesting matches, and allowing them to manage their sessions easily.
- **User Stories to Develop:**
 - **Clean and Intuitive Dashboard:** Design and build a central dashboard that shows a user's upcoming sessions and pending requests. This aggregates the information from the previous sprints.
 - **Suggested Matches:** Implement the logic for "Suggested Matches" based on mutual courses and overlapping availability. This is an enhancement to the search feature developed in Sprint 2.
 - **View All Sessions:** Create a separate page or calendar view to show all confirmed and pending study sessions, providing a clear overview.
 - **Cancel a Scheduled Session:** Add the functionality to cancel a session, which is a necessary part of the complete scheduling workflow.
 - **Filter Search Results:** Enhance the search function to allow users to filter by major and availability.