

StudentHub Requirements draft

The StudentHub is an interactive online multi-user community for students to use student-built academic, social, and recreational tools. Existing apps on this platform include the following:

- Trivia: A simple trivia game with variable levels of difficulty and categories. Trivia questions include both approved trivia submissions and stock trivia questions sourced from OpenTriviaDB under a Creative Common 2.0 license.
 - o Current Features: Selectable difficulty levels and categories
 - o Desired Features: trivia question submission – subject to approval.
- Flashcard: An app to support learning by presenting digital flashcards for the purpose of study and course concept retentions.
 - o Current features: Generate and present flashcard deck filtered by subject, course, and module. Additionally, flashcard decks can have varying lengths.
 - o Desired features:
 - User submitted Flashcards (subject to approval)
 - Admin panel to streamline flashcard approval
 - A “flip” flashcard function to allow more dynamic user interaction
 - Statistical tracking to identify user-specific learning opportunities and “smartly” generate flashcard decks to close knowledge gaps faster

Future apps:

-Class Scheduler: Generate a balanced multi-semester schedule based on anticipated course offerings, course difficulty, desired difficulty, course pre-requisites, and other restrictions.

Requirements:

- A staff admin shall be able to add new majors, course, and course requirements.
- A user shall be able to specify preferred schedule requirements and save those requirements for later use in schedule requests.
- A user shall be able to select their major of choice and store it as part of their profile. (this is considered private information)
- A user shall be able to self-report courses taken and performance in that course.
- A user shall be able to request a generated for a semester, multiple semesters, or the number of semesters required to complete their degree.
- A user shall be able to specify instructor preferences in schedule constraints.
- A user shall be able to save generated schedules for review later.

-Chat: A multi-room encrypted chat service with public and private rooms as well as direct messaging capabilities.

-Battleship: A hosted 2 players game with a dedicated host, client ui, and leaderboards.

General requirements

A User shall automatically have private data hidden – such as name, email address, and so on. However, a user can opt-in to share this data with other users.

A user shall be able to manually reset their password with a new password that meets complexity requirements.

All users will have a “profile” with private and public data fields they can fill out at their discretion – such as name, email address, and a nickname.

A user can request all data stored on the system related to them.