1. Introduction

The Study Buddy app is a command-line tool that allows Clemson students to connect with classmates in the same courses and schedule study sessions. The focus is on simplicity: students create profiles, add their courses, set their availability, and arrange study sessions with classmates.

---

2. System Overview

The system provides the following essential capabilities:

- Students create a profile with basic information and courses.

- Students add or remove available study times.

- Students view classmates in the same course.

- Students propose and confirm study sessions.

---

3. Functional Requirements

3.1 Profile Management

- The system shall allow a student to create a profile containing:

  - Name

  - Enrolled courses

3.2 Availability Management

- The system shall allow a student to add availability time slots (day and time).

- The system shall allow a student to remove availability time slots.

3.3 Study Session Scheduling

- The system shall display classmates enrolled in the same course.

- The system shall allow a student to propose a study session with a classmate, including:

  - Course

  - Time (from availability)

- The system shall allow the invited classmate to confirm or decline the proposed session.

---

4. Non-Functional Requirements

- The app will run in a command-line interface (CLI).

- The system will support multiple students but no authentication or advanced security is required.

---

5. Assumptions & Limitations

- No web interface or admin functionality is included.

- No automatic match-making algorithm beyond showing classmates in the same course with overlapping availability.

- Notifications are not required; session updates are viewed through the CLI menus.