# **Software Requirements Specification (SRS)**

**Project:** Study Buddy – Clemson Student Scheduling App  
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## **1. Introduction**

**Purpose:**Study Buddy helps Clemson students find and schedule study sessions with classmates. Students can create profiles, share courses, manage availability, and schedule meetings.

**Scope:**

* Students create profiles with course enrollment
* Search for classmates in the same courses
* Schedule study sessions based on availability
* Suggest and confirm study partners

**Users:** Clemson students who want to study with peers

**Platform:**

* Command-line app

## **2. Features**

1. **Profile Management:**
   * Create profile
   * Add courses
2. **Availability Management:**
   * Add, remove available times
   * Avoid scheduling conflicts
3. **Study Session Scheduling:**
   * Suggest study partners with overlapping courses and times
   * Schedule, reschedule, or cancel sessions
4. **Search Functionality:**
   * Find classmates by course

## **3. Requirements**

**Functional Requirements:**

* Users can create and manage profiles
* Users can add courses and availability and remove courses
* System suggests study partners
* Users can schedule study sessions
* Users can search for classmates by course

**Non-Functional Requirements:**

* Easy to use interface
* Works on command-line

## **4. Assumptions**

* Students enter accurate course and availability info
* Only Clemson students use the system