

# Study Buddy

Helping students study better and learn faster

Presented by:

Alastair Graham - 301483649

Andres Quintero - 301466379

Pierre Moreau - 301489780

COMP225 - Group 8



# Introduction to Study Buddy

- Innovative educational app enhancing learning beyond classrooms.
- Personalized mock exams tailored to student needs.
- Interactive tasks promoting active learning.
- AI-powered assistant providing real-time feedback and analytics.
- Supports self-directed study and critical thinking.
- Ideal for students, educators, and educational institutions seeking academic excellence.



## Product Scope & Features

- AI Powered Virtual Assistant
- Mock Exam Generation
- Performance Analytics
- Progress Tracking
- Task Assignment
- Exam and Assignment Deadline Alerts

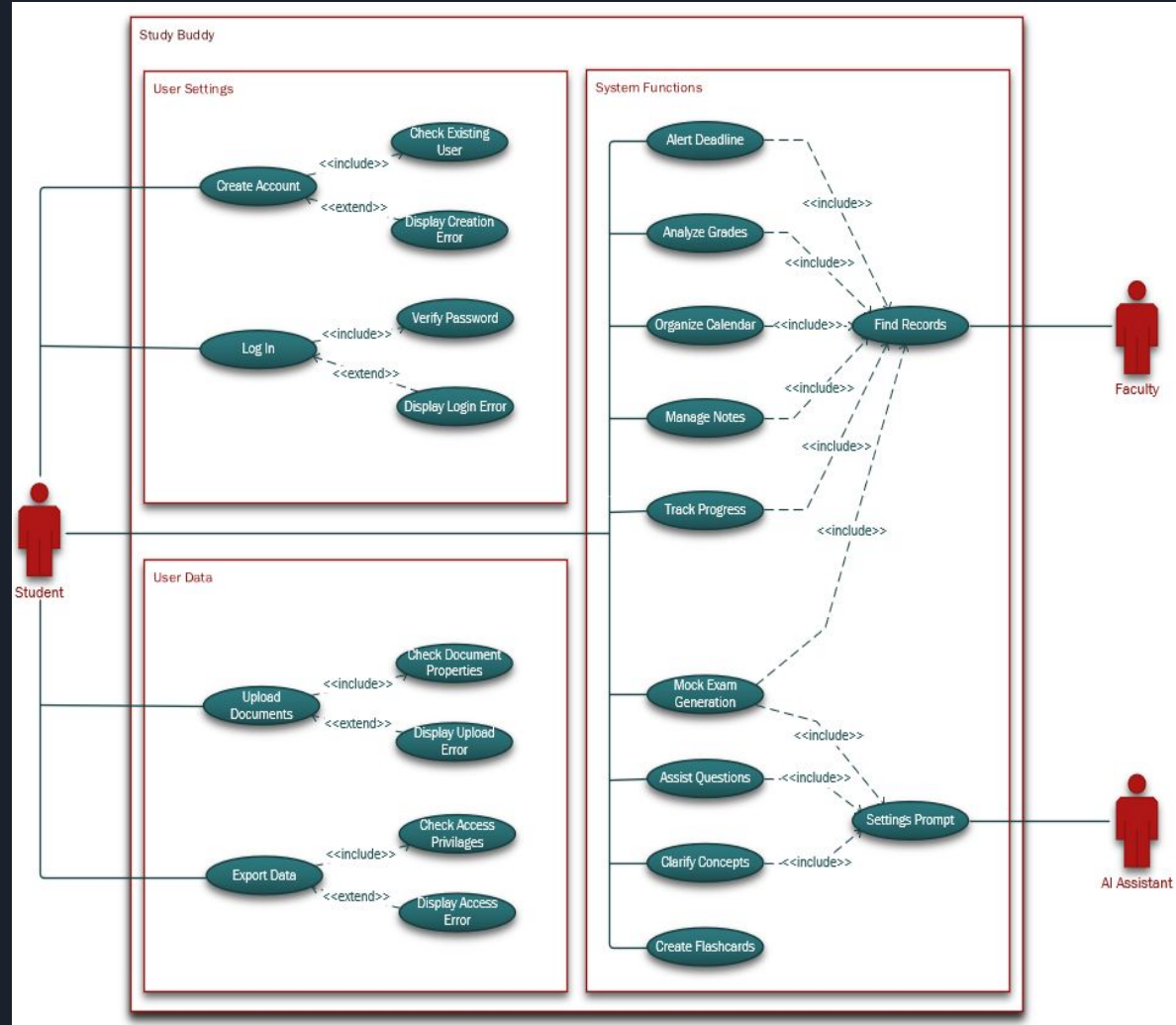
# Use Case Diagram

## Key Actors:

- Students
- Faculty
- AI Assistant

## Highlighted Use Cases:

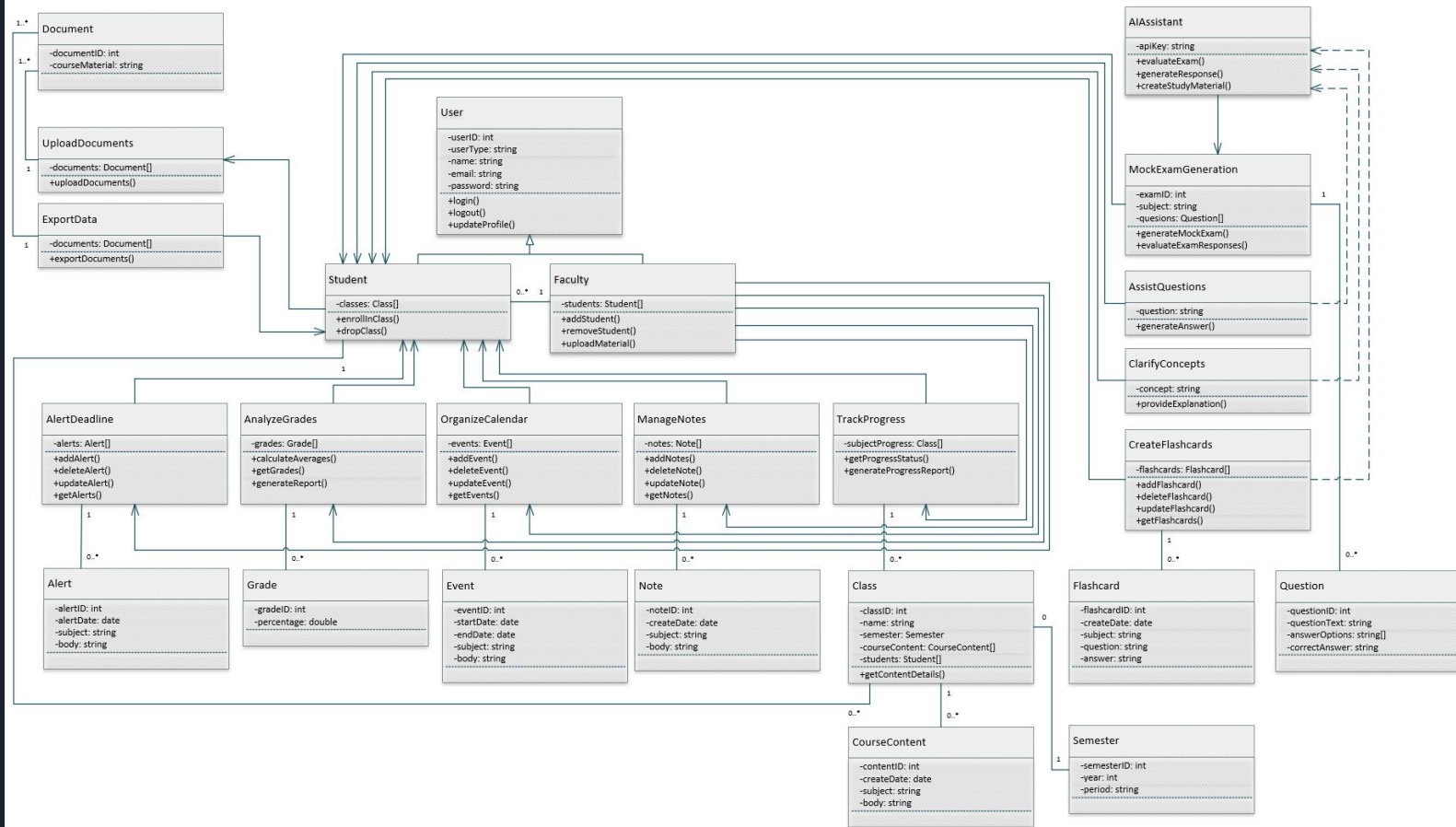
- Create Account
- Upload/Export Documents
- Mock Exam Generation
- Track Progress
- AI Assistance
- Alerts



# Domain Class Diagram

## Key Concepts:

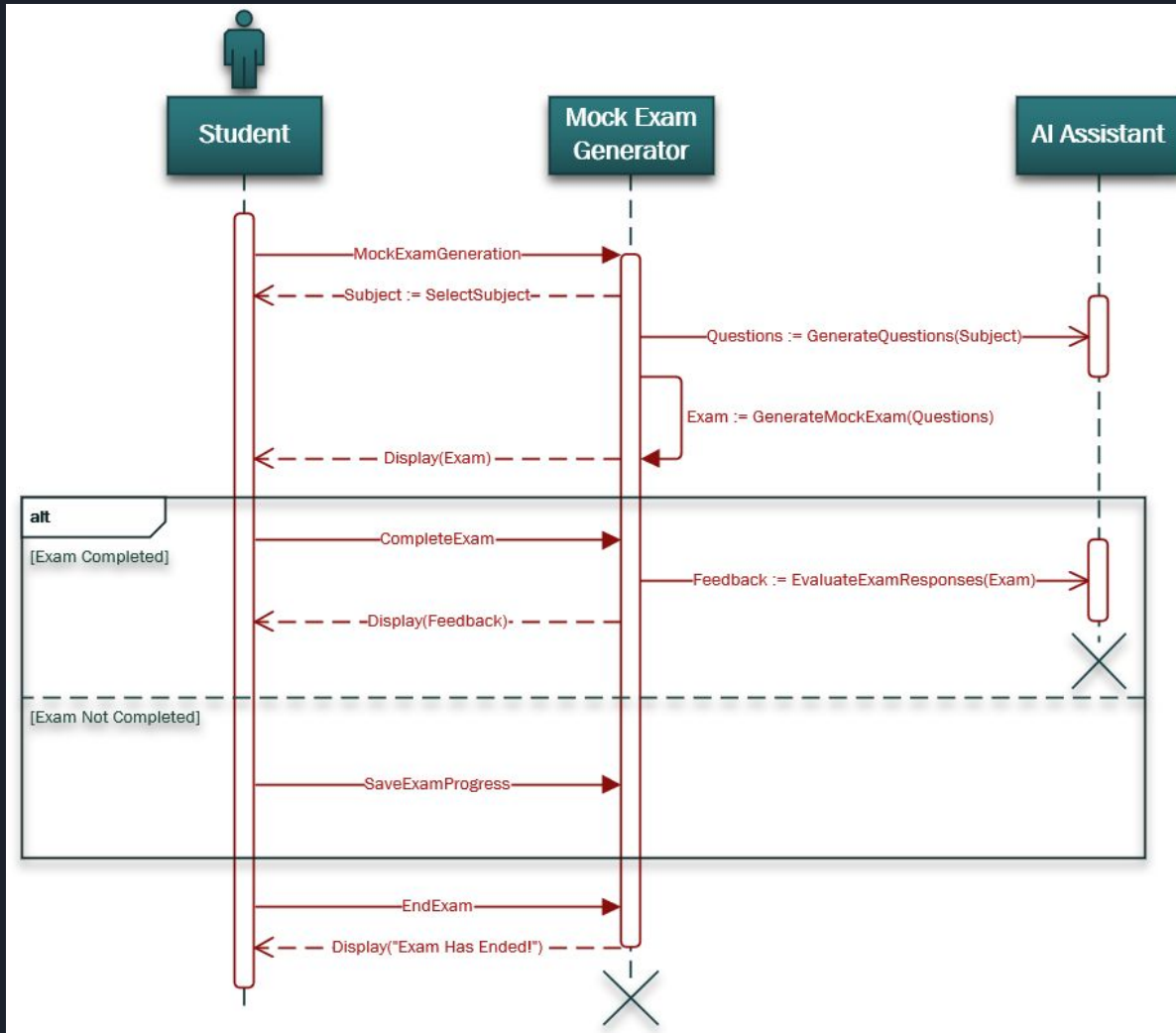
- Attributes
- Methods
- Inheritance
- Support
- Relationships
- Composition



# Sequence Diagram

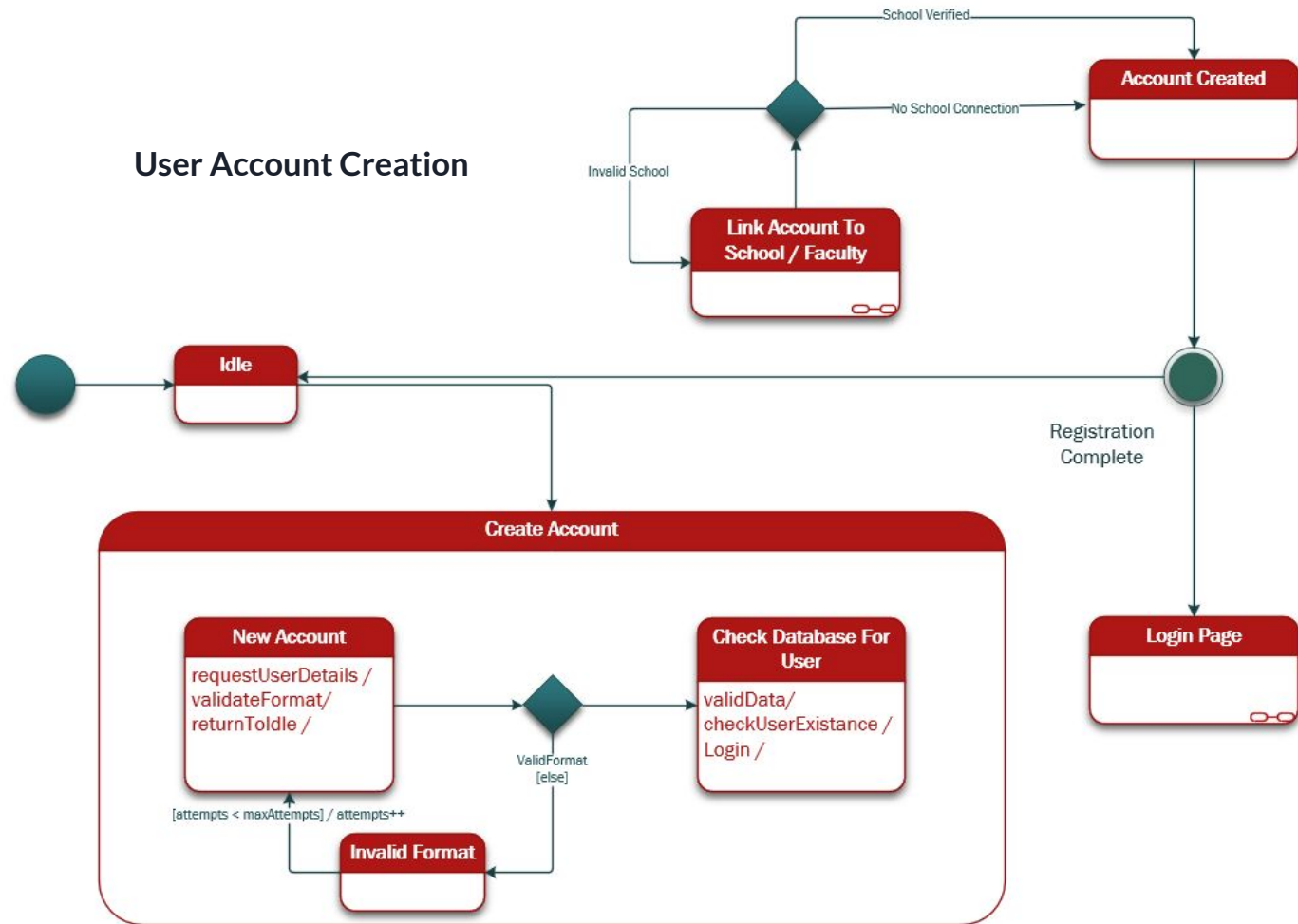
Step by Step:

1. Mock Exam Initiation
2. Subject Selection
3. Question Generation
4. Mock Exam Creation
5. Display Exam
6. Two Outcomes
  - a. Exam Complete
  - b. Exam Incomplete
7. Ending the Exam



# State Diagram

## User Account Creation





Thank You For  
Listening