College Enrollment System Project

By: Aakkash Muthukumar, Christian Ramos,
Felipe Gutierrez, and Svein Quintos

A basic description of the College Enrollment System

Our College Enrollment System simulates the student experience of viewing, enrolling, and paying for a course within a course offered within a University. Additionally, the College Enrollment System simulates the administration updating/controlling the system through accepting or declining students waiting for enrollment to a course and adding, removing, or altering the details of a course from the system.

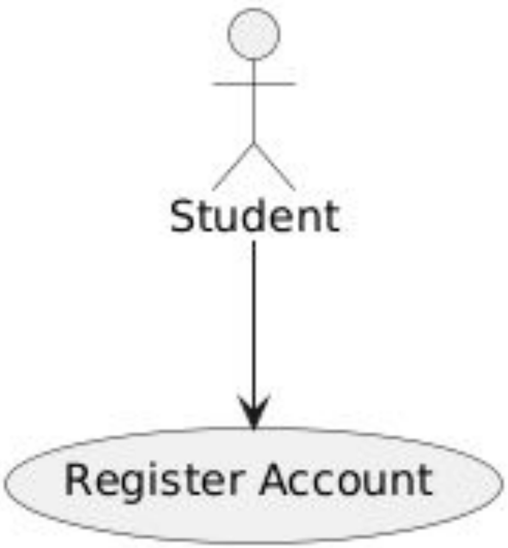
Requirements

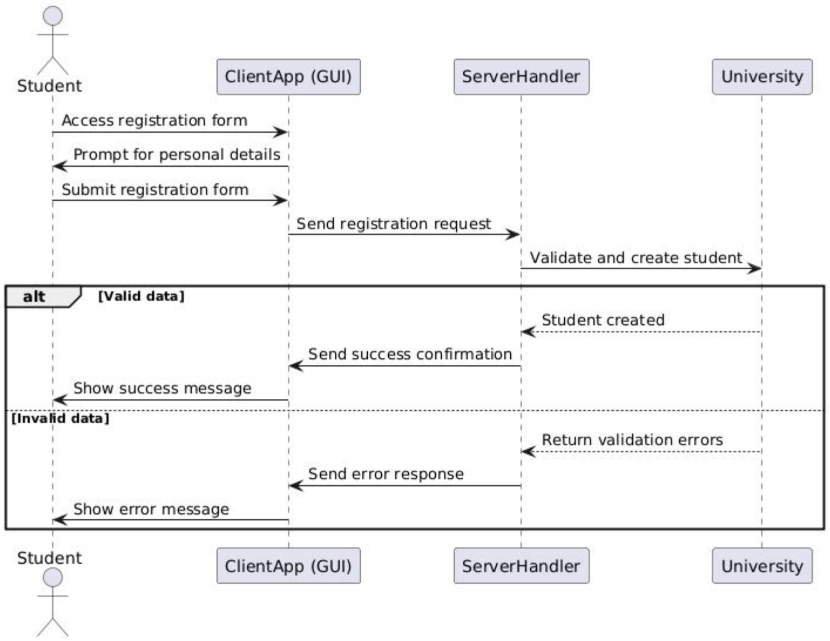
- Admins can view, create, update, and delete courses.
- Students can view a list of available courses and enroll if there’s space.
- If a certain course has prerequisites, then the system should check if the student has completed the requirements.
- If the course is full, then students should be prompted by the system if they want to be added to the waitlist or not.
- Students should be able to drop a course. Only if it’s within the deadline.
- Students should be able to view all the courses they enrolled in. Such as course name, schedule, and enrollment status
- Admins should be able to get course enrollment reports, students on the waitlist, and available seats per course.
- It should support multiple universities.
- There should be a cap on course units that can be enrolled at once, so the cap would be 18 per reference with our school.
- Since students and admins can have similar names, they should each have unique IDs.

Use Case(s)

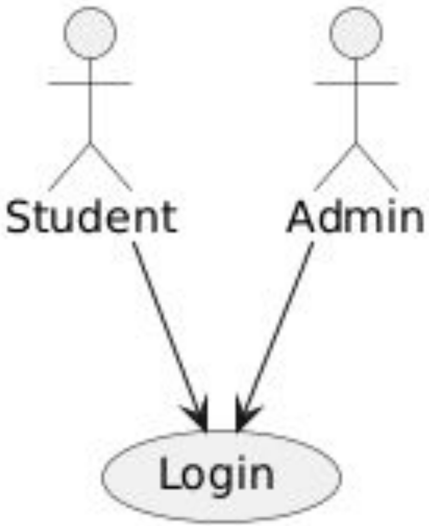
1. Student Registration
2. Login
3. Course Enrollment
4. Drop Course
5. Payment Processing
6. Manage Student Profile
7. View Schedule
8. Admin Creates/Deletes Course
9. Admin Manages Student Enrollment
10. Auto-Generate Reports

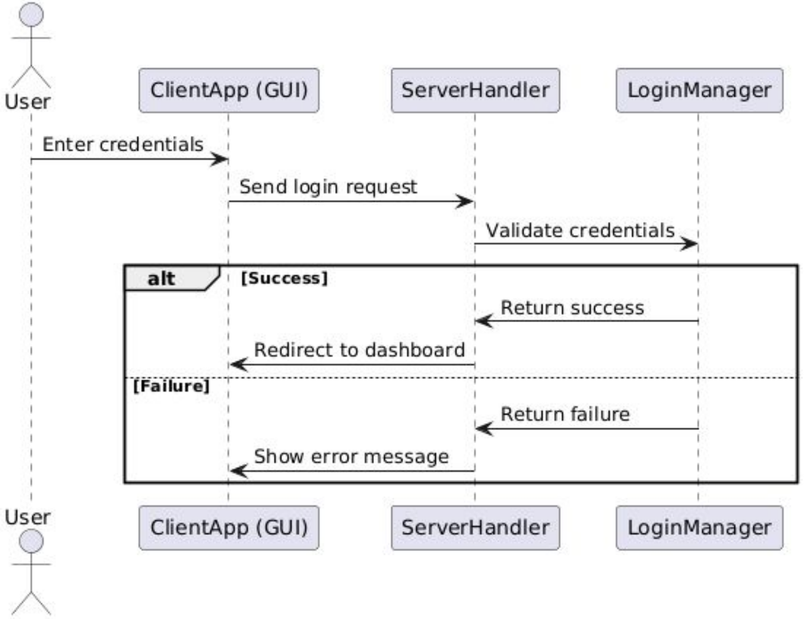
Use Case 01: Student Registration



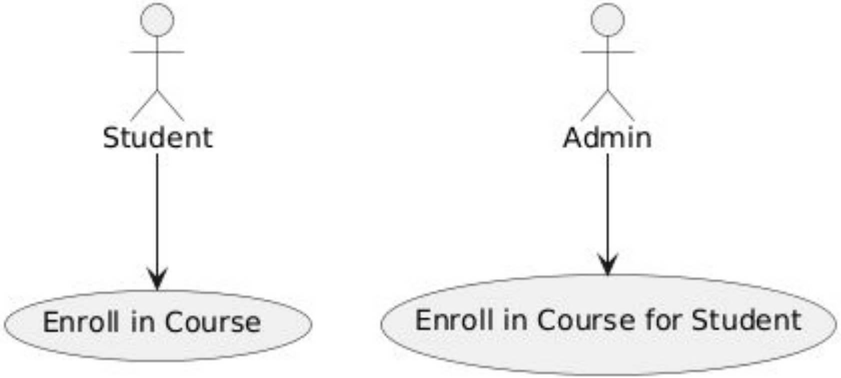


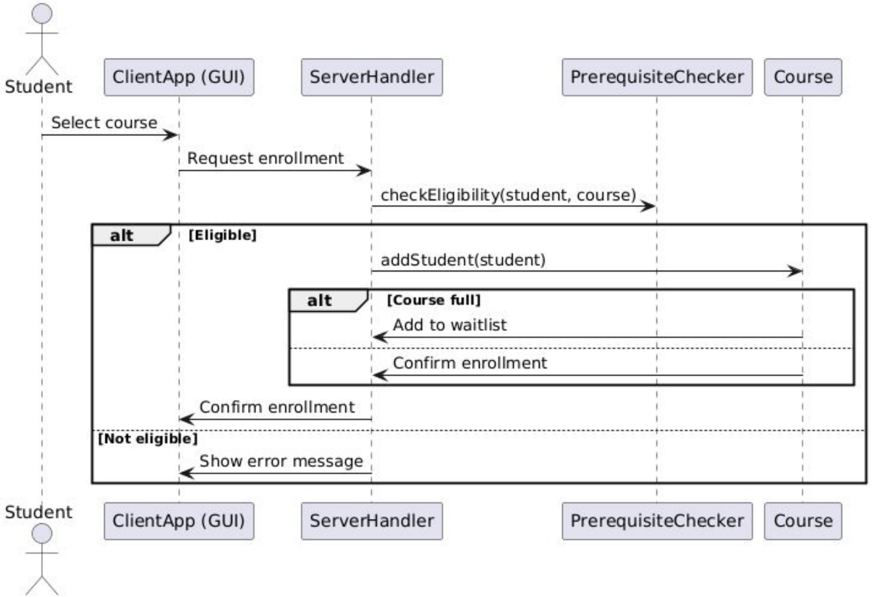
Use Case 02: Login



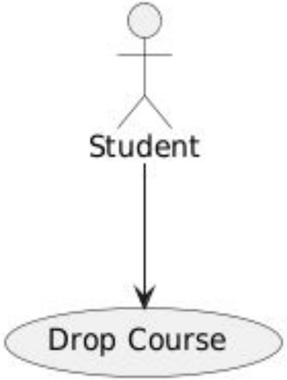


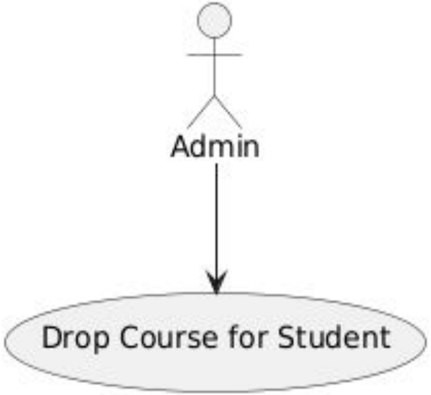
Use Case 03: Course Enrollment

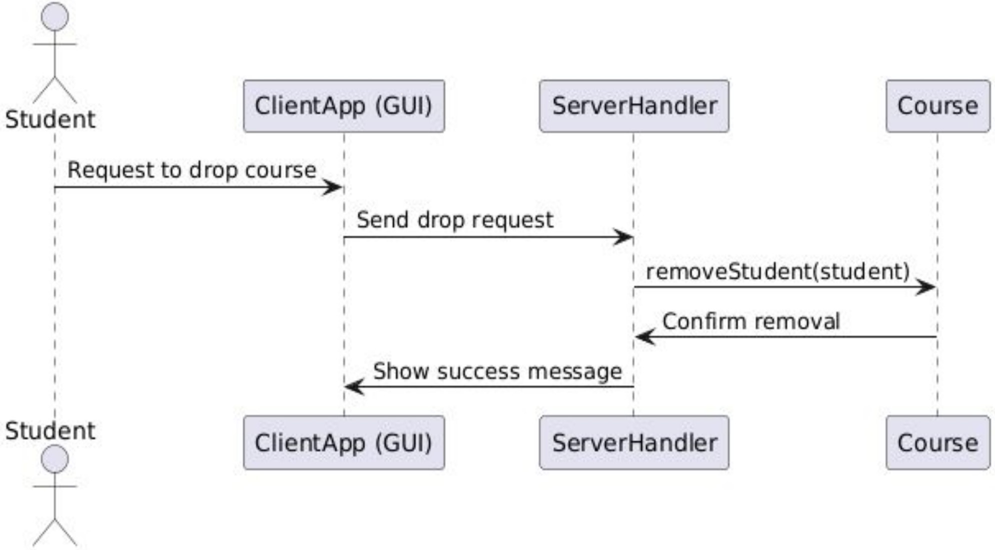




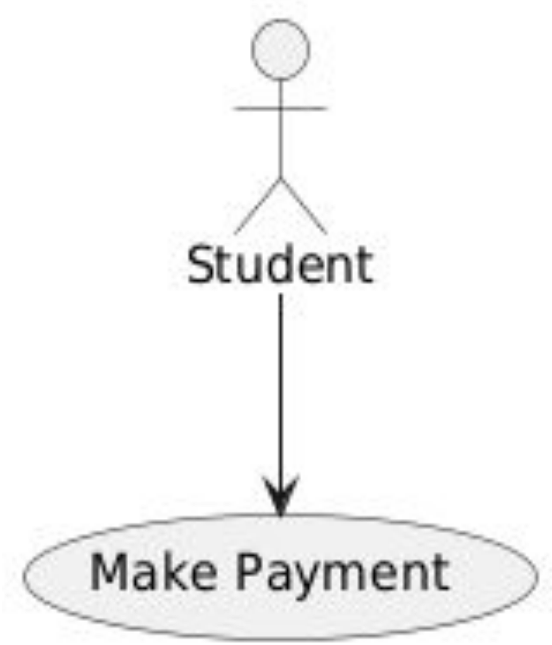
Use Case 04: Drop Course

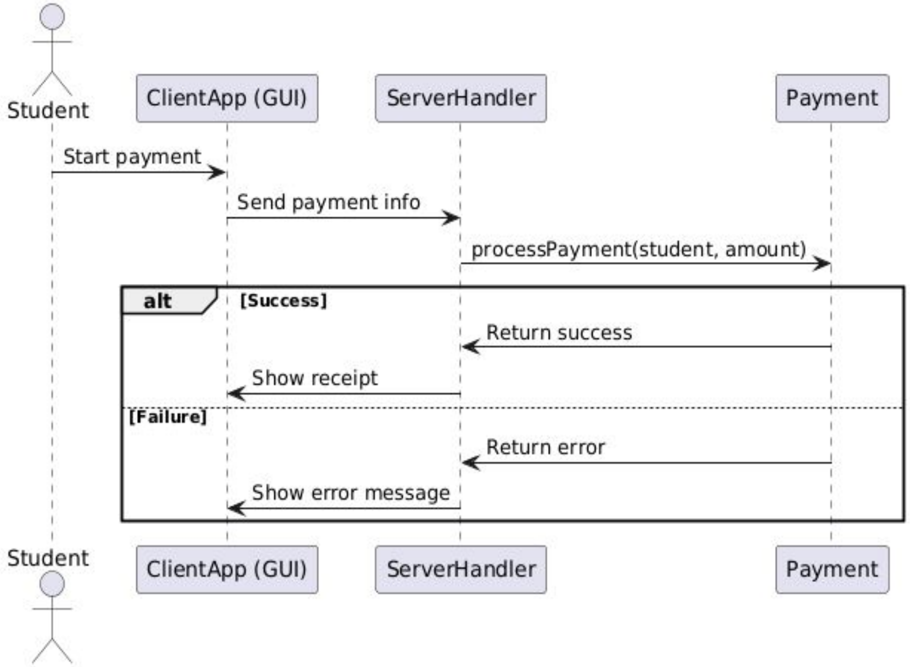




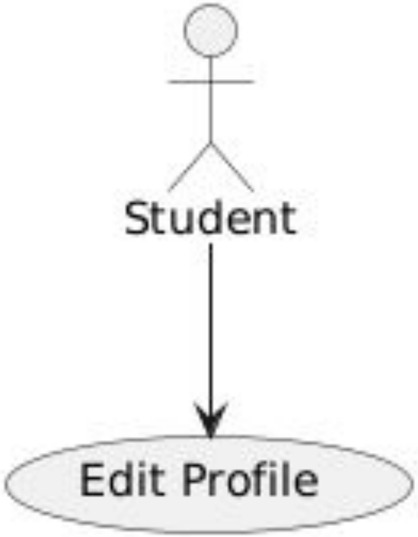


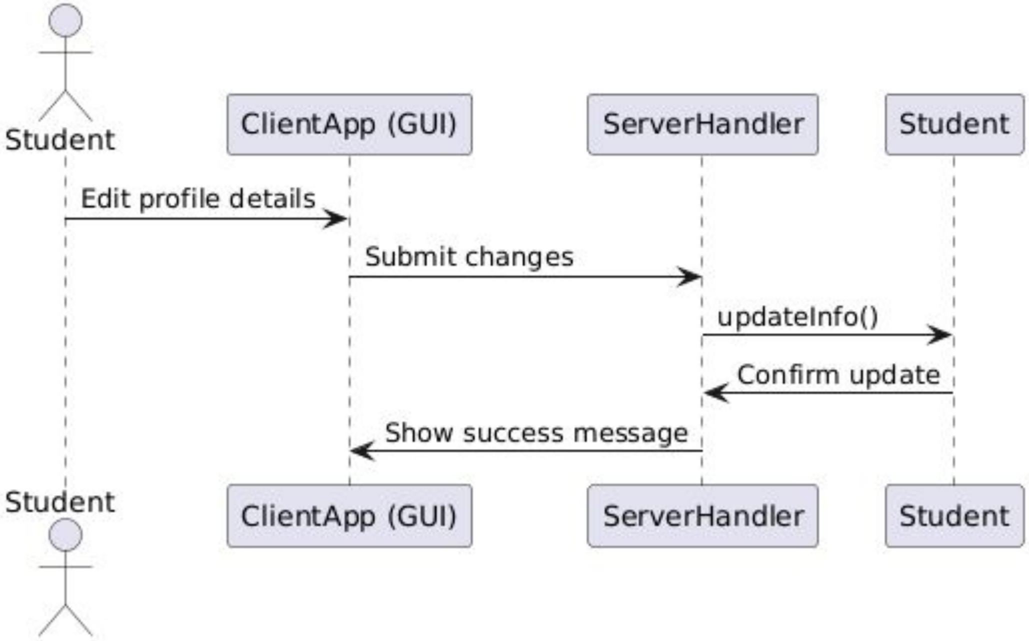
Use Case 05: Payment Processing



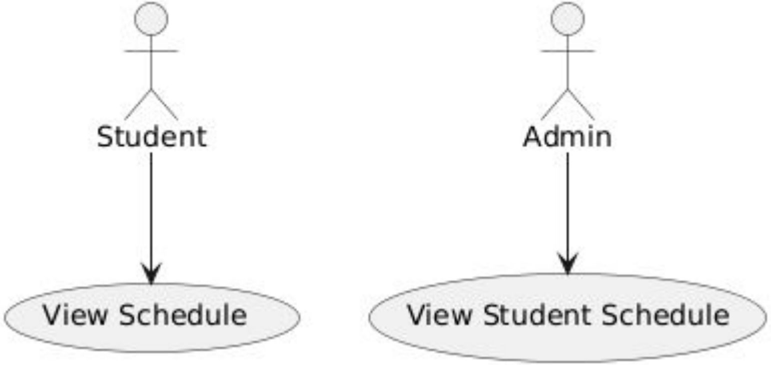


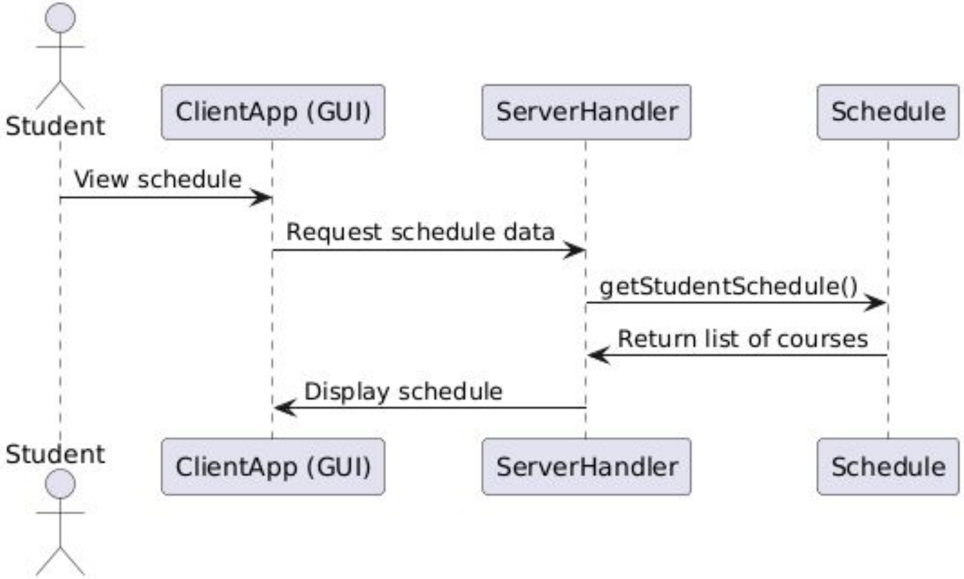
Use Case 06: Manage Student Profile



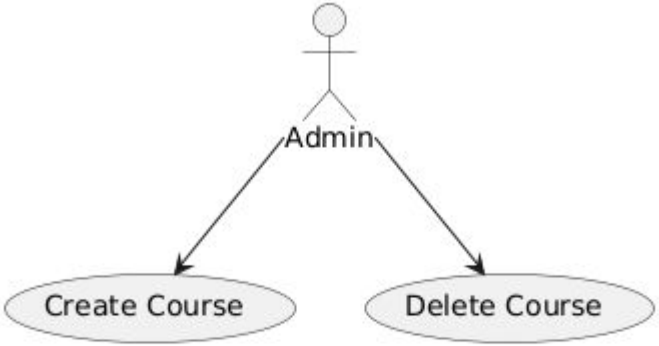


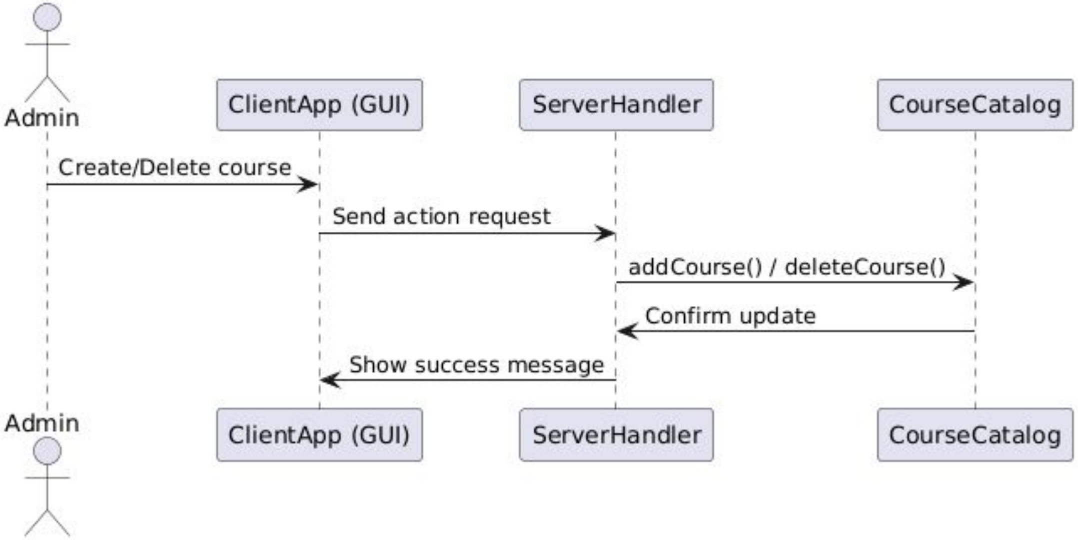
Use Case 07: View Schedule



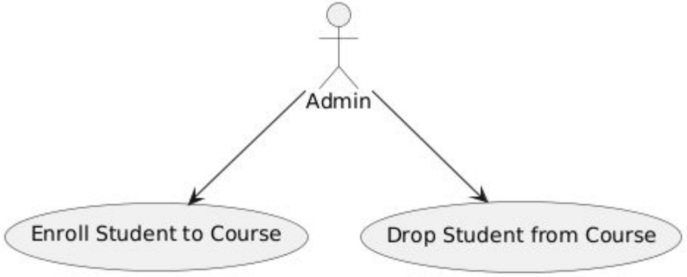


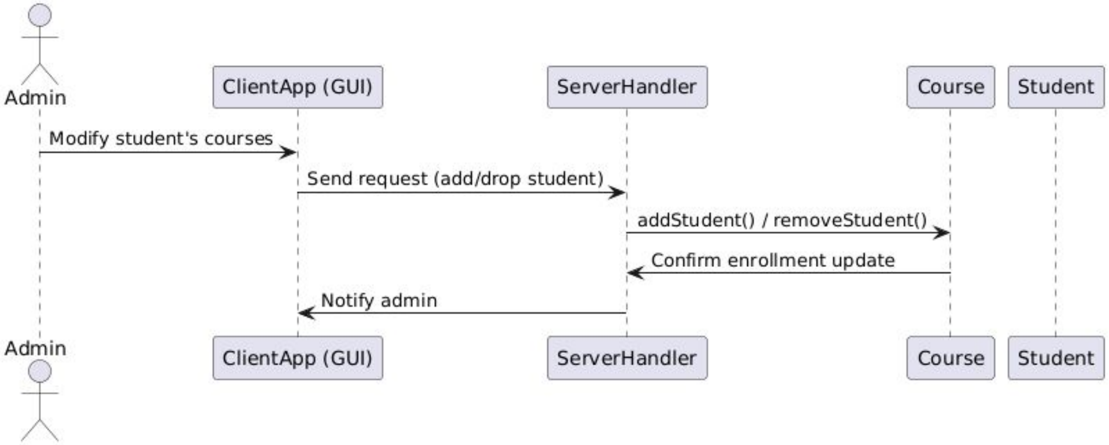
Use Case 08: Admin Creates/Deletes Course



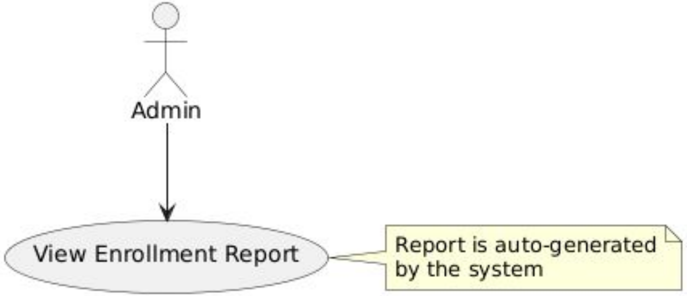


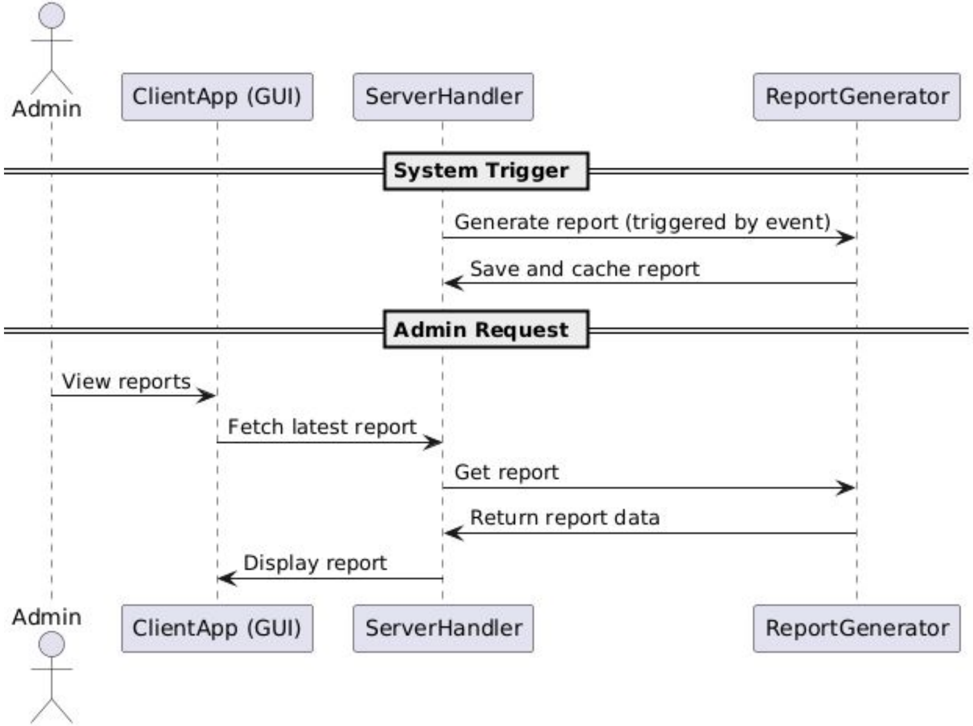
Use Case 09: Admin Manages Student Enrollment





Use Case 10: Auto-Generate Reports





Changes we had to make to our design and how we could have improved our project

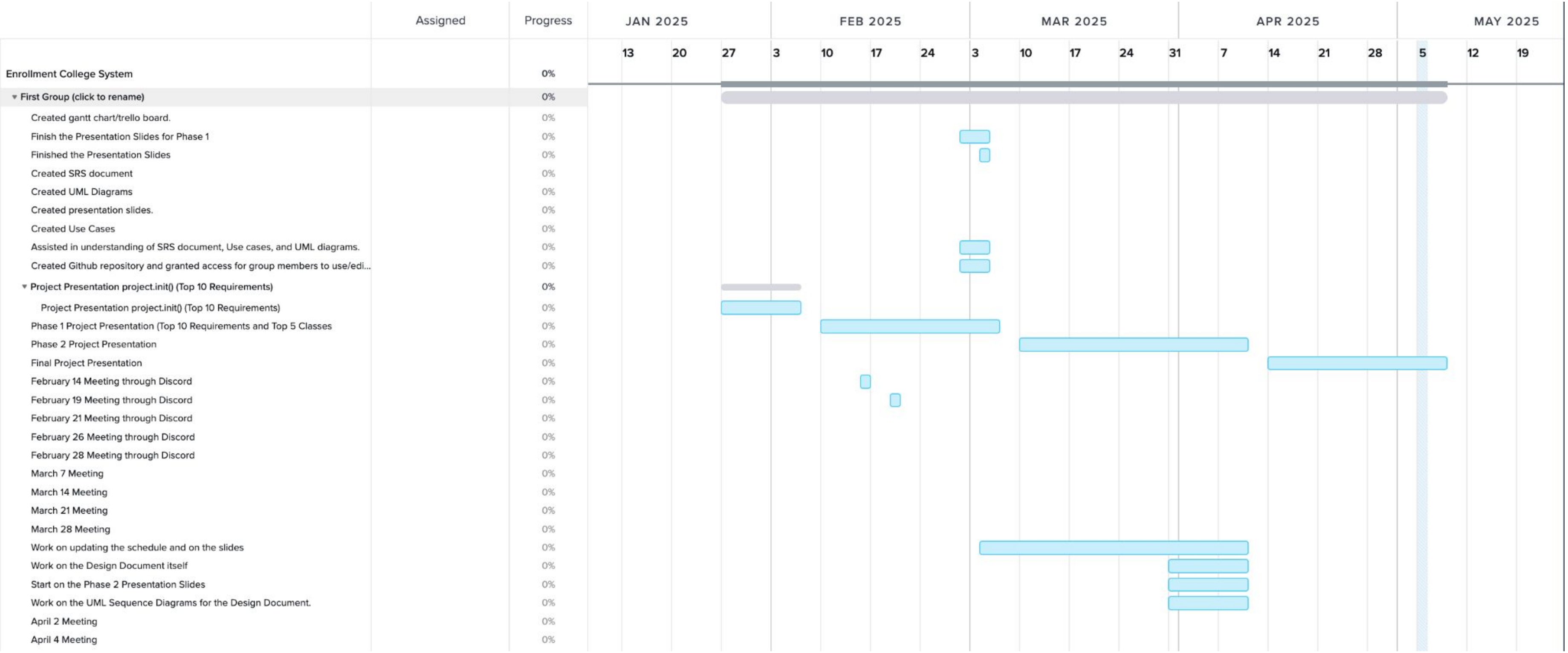
Changes we did make:

- Extra/new classes (Status.class, Message.java, Type.java, etc.)
- Include test classes that, use the JUnit 5 library of Java, to test the classes, along with their methods, to see if they work as intended/wanted

Changes we could have made:

- More robust features
- Extra classes

Project Schedule



	Assigned	Progress
Enrollment College System		0%
▾ First Group (click to rename)		0%
Created gantt chart/trello board.		0%
Finish the Presentation Slides for Phase 1		0%
Finished the Presentation Slides		0%
Created SRS document		0%
Created UML Diagrams		0%
Created presentation slides.		0%
Created Use Cases		0%
Assisted in understanding of SRS document, Use cases, and UML diagrams.		0%
Created Github repository and granted access for group members to use/edi...		0%
▾ Project Presentation project.init() (Top 10 Requirements)		0%
Project Presentation project.init() (Top 10 Requirements)		0%
Phase 1 Project Presentation (Top 10 Requirements and Top 5 Classes		0%
Phase 2 Project Presentation		0%
Final Project Presentation		0%
February 14 Meeting through Discord		0%
February 19 Meeting through Discord		0%
February 21 Meeting through Discord		0%
February 26 Meeting through Discord		0%
February 28 Meeting through Discord		0%
March 7 Meeting		0%
March 14 Meeting		0%
March 21 Meeting		0%
March 28 Meeting		0%
Work on updating the schedule and on the slides		0%
Work on the Design Document itself		0%
Start on the Phase 2 Presentation Slides		0%
Work on the UML Sequence Diagrams for the Design Document.		0%
April 2 Meeting		0%
April 4 Meeting		0%

Demo of our College Enrollment System

Thank you for your time.