



STUDENT COURSE REGISTRATION AND TRACKING SYSTEM PROJECT PLAN

By

PROJECT TEAM LEAD: MAHDI AHRARI

TEAM MEMBER 01: USMAN MUSTAFA

TEAM MEMBER 02: GHULAM MUJTABA

DATE: MARCH 14TH, 2025

SUPERVISED BY: DR. ONAIZA MAQBOOL
DEPARTMENT OF COMPUTER SCIENCE
Quaid-I-Azam University, Islamabad

SIGNATURE PAGE

Project Team Lead:

Name: MAHDI AHRARI

Signature:

Reg#: 04072213005

Date: 15/03/25

Team Member 01:

Name: USMAN MUSTAFA

Signature:

Reg#: 04072213047

Date : 15/03/25

Team Member 02:

Name: Ghulam Mujtaba

Signature:

Reg#: 04072213019

Date: 15/03/25

Project Stakeholder:

Name: Dr. Onaiza Maqbool

Signature: _____

Post: Associate Professor

Date: _____

CHANGE HISTORY

Version	Date	Changed By	Description
1.0	MARCH 05, 25	G13	Initial Draft
1.1	MARCH14,25	G13	USE CASE TEXT
1.2			

Remarks:

(Signature
Dr. Onaiza Maqbool
Associate Professor

(MAHDI AHRARI)

Use Case: View Pass/Fail Status

Actors: Student, System, Coordinator

Input:

- Student ID, semester selection.

Output:

- List of courses with pass/fail status, recommendations for failed courses.

Preconditions:

- The student must be logged into the system.
- The semester results must be published.

Main Scenario:

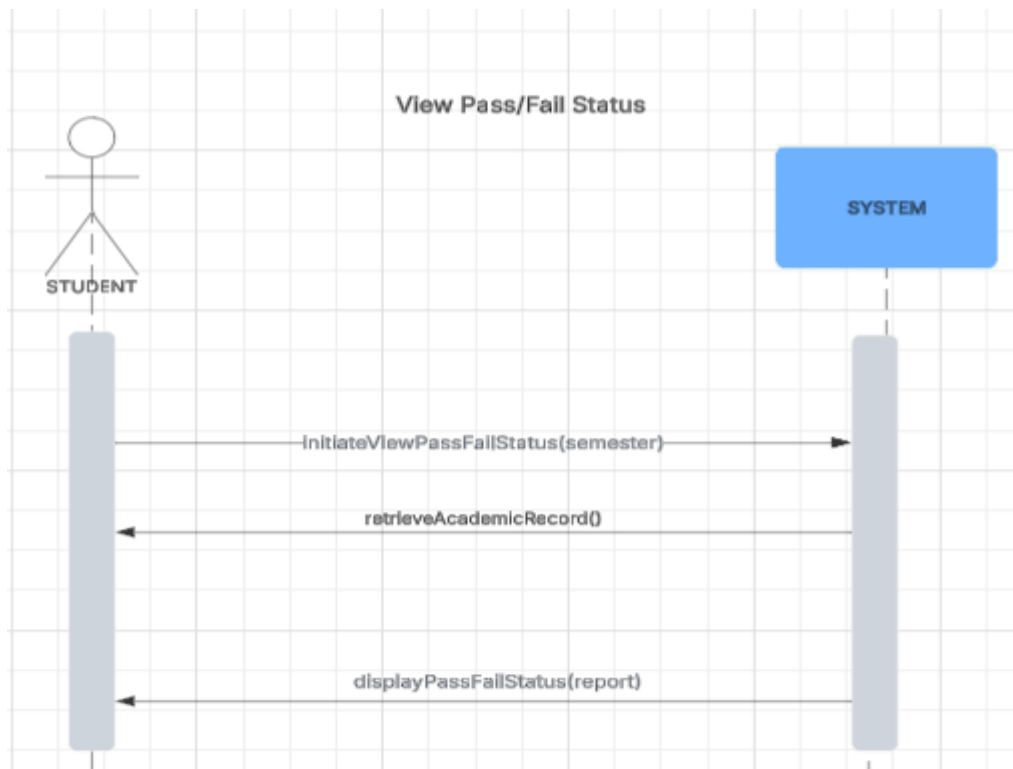
1. The student selects the "View Pass/Fail Status" option.
2. The system retrieves the student's academic record.
3. The system displays courses taken along with pass/fail status.
4. If failed, the system provides recommendations (e.g., retake options).
5. The student can download or print the status report.

Alternative Scenarios:

- If results are not yet published, the system notifies the student.
- If the student is not enrolled in any courses for the semester, the system displays a message.

Postconditions:

- The student successfully views the pass/fail status.
- The system records any student actions related to result inquiries.



(USMAN MUSTAFA)

Use Case: Register for Courses

Actors: Student, System, Coordinator

Input:

- Student ID, course selection, semester details.

Output:

- Registration confirmation, updated academic record.

Preconditions:

- The student must be logged into the system.
- The student must have completed necessary prerequisites for the desired courses.
- The registration period must be open.

Main Scenario:

1. The student selects the "Register for Courses" option in the system.
2. The system retrieves and displays available courses based on prerequisites.
3. The student selects desired courses.
4. The system verifies prerequisites and seat availability.
5. If all conditions are met, the system registers the student.
6. The system updates the student's academic record.
7. The student receives a confirmation notification.

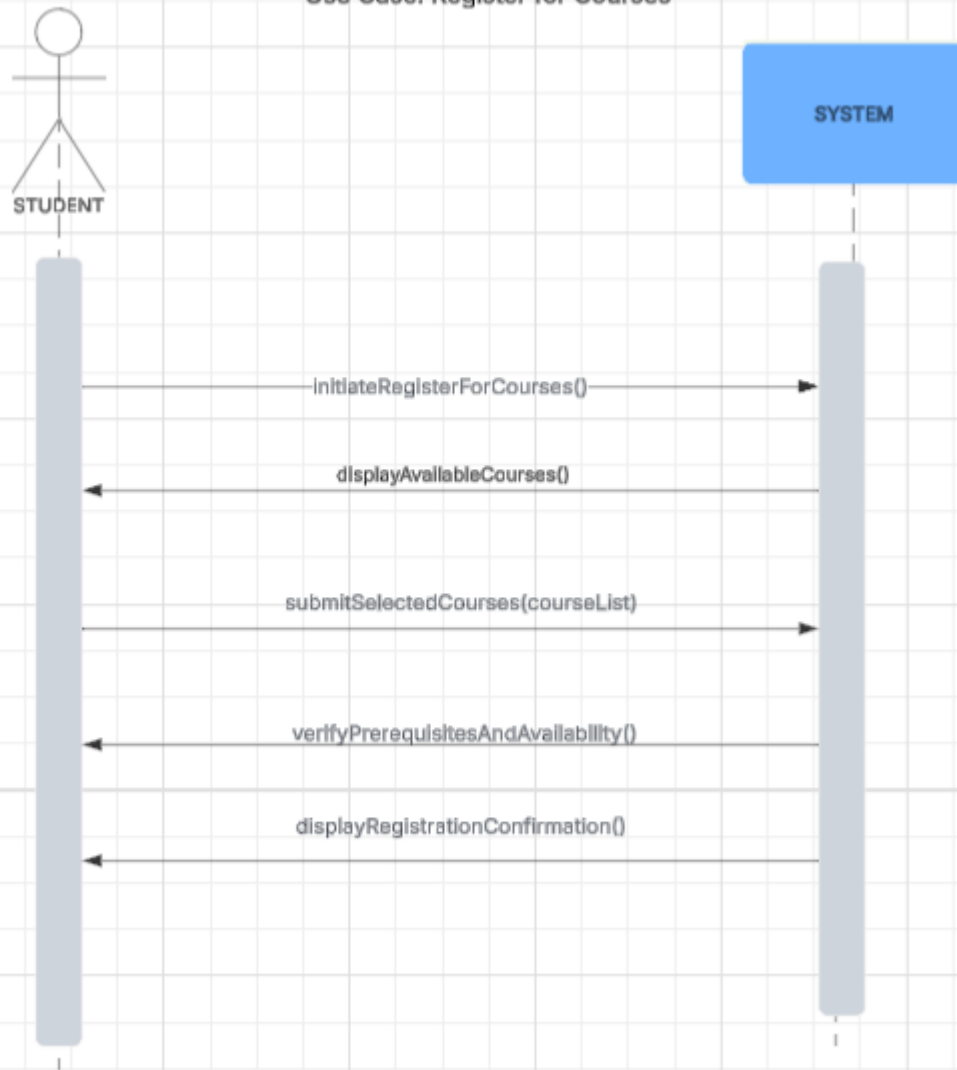
Alternative Scenarios:

- If prerequisites are not met, the system denies registration and notifies the student.
- If seats are full, the system offers an alternative course or waitlist option.
- If registration is attempted outside the designated period, access is denied.

Postconditions:

- The student is successfully registered for the selected courses.
- The updated course enrollment is reflected in the system.

Use Case: Register for Courses



(GHULAM MUJTABA)

Use Case: View Timetable

Actors:

Student, System, Timetable Coordinator

Input:

- Student ID, semester details.

Output:

A detailed timetable display showing course schedule, class locations, and instructor information.

Preconditions:

- The student must be logged into the system.
- The current semester timetable must be published.
- The student must be registered for courses.

Main Scenario:

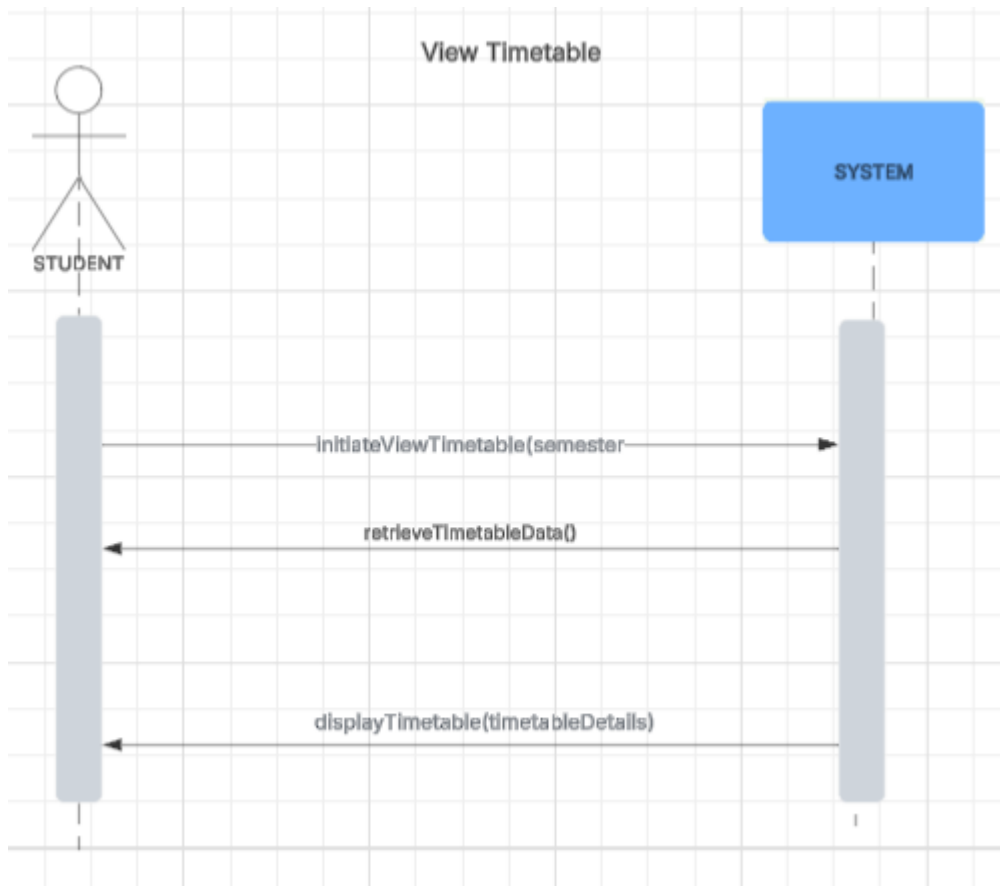
1. The student selects the "View Timetable" option in the system.
2. The system retrieves the timetable based on the student's registered courses.
3. The system displays the timetable including course schedule, locations, and instructor details.
4. The student reviews the displayed timetable.

Alternative Scenarios:

- If the timetable is not yet published, the system notifies the student that the timetable is unavailable.
- If the student is not registered for any courses, the system displays a message indicating no timetable is available.

Postconditions:

- The student successfully views the timetable.



DOMAIN MODEL:

