



Requirement Specification

SEmester

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1. Document Objectives

The purpose of this document is to outline the overarching functionality of the SEmester educational web application, as well as to specify the user needs that will be incorporated into the system. This aims to ensure that all stakeholders, including the development team and the educational institutions, have a clear and shared understanding of every feature of the application.

2. User Characteristics

SEmester is an educational web application. These are the following of all of the characters:

- Teacher: Acts as the educator, primarily using the system to manage course content, assign homework, check attendance, post announcements, and evaluate student performance.
- Student: Acts as the learner, primarily using the system to access course materials, submit assignments, and track academic progress.

3. Operation Environment

SEmester is a web application, therefore, an internet connection is required in order to use the system. The User must have an internet browser with HTML5 supported.

4. Design and Implementation Constraints

4.1. In case of the user creating a new account, the user must select an account type and provide essential information, including their name, student ID (if the account type is 'Student'), email, and password.

4.2. In case of the user logging into their account, the user must provide their email address and password.

4.3. In the case of the teacher creating a course, the teacher must provide essential information, including the course name, course ID, course section, and course credits.

4.4. In the case of the teacher creating a course attendance record, the teacher must provide the date of attendance.

4.5. In the case of the teacher checking the course attendance, the teacher must select each student's attendance status, which includes present, late, and absent.

4.6. In the case of the teacher evaluating students' academic performance in a course, the teacher must provide each student's letter grades.

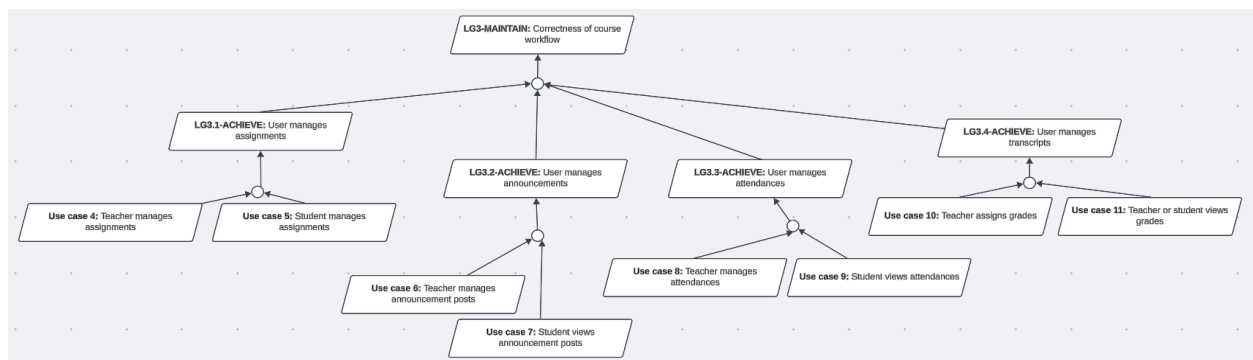
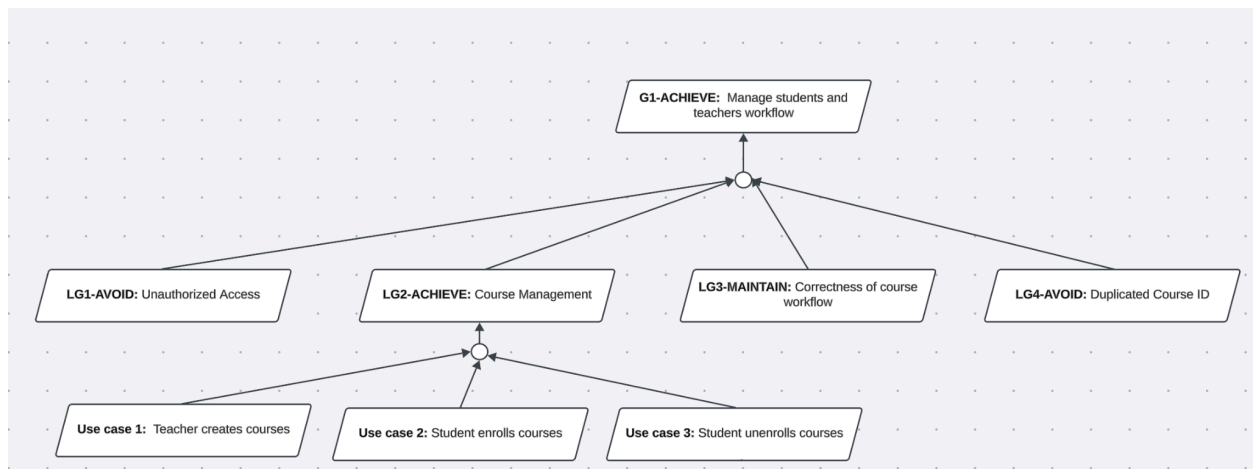
4.7. In the case of the teacher creating an announcement, the teacher must provide essential information, including the announcement's topic and details.

4.8. In the case of the teacher creating an assignment, the teacher must provide essential information, including the assignment's topic, details, and due date and time.

- 4.9. In the case of the student joining a course, the student must provide a course code.
- 4.10. In the case of the student submitting an assignment, the student must provide a file of their work.

5. Software Requirement Specification

Goal Modelling



Use Case 1: Teacher Creates Courses.

Use Case ID	UC-01
Name	Teacher Creates Courses
Description	This function is provided for the Teacher to create courses.
Primary Actor	Teacher
Pre-Condition(s)	The user must be a Teacher.
Post-Condition(s)	The course has been created with the information the Teacher specified.
Flow of Events	<ol style="list-style-type: none">1. The teacher needs to create a course.<ol style="list-style-type: none">1.1. The teacher selects the "Create Course" button1.2. The teacher fills in the course name, course ID, course section, and course credit in the text fields1.3. The teacher selects the "Create" button
Alternative and exceptional	None

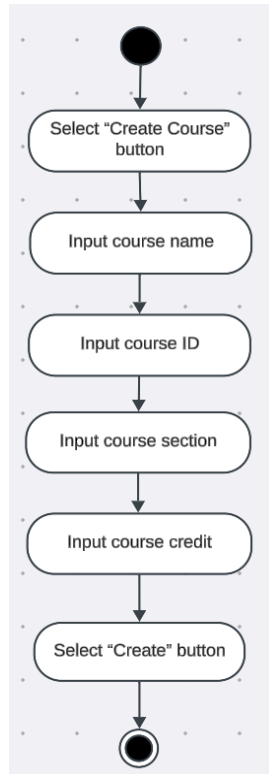
URS-1 Teachers can create a course.

Input

The teacher will create a course.

Input	Constraints	Example
Course Name	The system allows alphabetic letters, numbers, spaces, and symbols.	INTRODUCTION TO CALCULUS
Course ID	The system allows only numbers with a length of 9.	01006710
Course Section	The system allows only numbers.	92
Course Credit	The system allows only numbers.	3

Process (No 1. in Flow of Events)



Output

All course details will be recorded on the Database only when the teacher fills in the information following the constraints that have been stated above. Then, the system will show the course in the Courses menu section.

Software Requirement Specification

SRS-1.1.1. The system shall display the course creation pop-up interface

SRS-1.1.2. The system shall provide text fields for the course name, course ID, course section, and course credit in the course creation interface, in order to fill in the course details.

SRS-1.1.3. The system shall provide a Create button to create a course.

SRS-1.1.4. The system shall provide a Cancel button to cancel the action.

SRS-1.1.5. The system shall display the created course in the Courses menu section.

Use Case 2: Student Enrolls in Courses.

Use Case ID	UC-02
Name	Student Enrolls Courses
Description	This function is provided for the Student to enroll in the course.
Primary Actor	Student
Pre-Condition(s)	The course and course code must exist.
Post-Condition(s)	The student has been enrolled in the course.
Flow of Events	<ol style="list-style-type: none">1. The student needs to enroll in a course.<ol style="list-style-type: none">1.1. The student selects the “Join Course” button1.2. The teacher fills in the course code in the text field1.3. The teacher selects the “Join” button
Alternative and exceptional	None

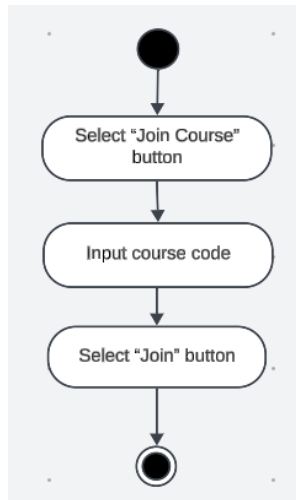
URS-2 Students can enroll in courses

Input

The student will enroll in the course.

Input	Constraints	Example
Course Code	The system allows only alphabetic letters and numbers with a length of 9.	XGF0O6KNB

Process (No 1. in Flow of Events)



Output

The student will be added to the existing course when the student fills in the information following the constraints that have been stated above. Then, the system will show the course in the Courses menu section of the student.

Software Requirement Specification

SRS-1.1.4. The system shall provide a Cancel button to cancel the action.

SRS-2.2.1. The system shall display the join course pop-up interface

SRS-2.2.2. The system shall provide a text field for course code in the join course interface.

SRS-2.2.3. The system shall provide a Join button to join the matching code course.

Use Case 3: Student Unenrolls Courses.

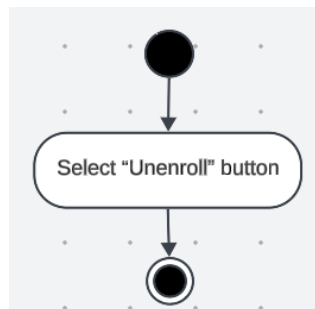
Use Case ID	UC-03
Name	Student Unenrolls Courses
Description	This function is provided for the Student to unenroll courses.
Primary Actor	Student
Pre-Condition(s)	The student must be enrolled in a course.
Post-Condition(s)	The student has removed a course from their enrollment list.
Flow of Events	1. The student needs to unenroll courses from their enrollment list. 1.1. The student selects the "Unenroll" button
Alternative and exceptional	None

URS-3 Students can unenroll course.

Input

The student will unenroll a course.

Process (No 1. in Flow of Events)



Output

The student will be unenrolled from the course after the unenroll button is selected. Then, the system will remove the course in the Courses menu section of the student.

Software Requirement Specification

SRS-3.3.1. The system shall display the unenroll button of each enrolled course.

SRS-3.3.2. The system shall not display the unenrolled course in the Courses section.

Use Case 4: Teacher Manages Assignments.

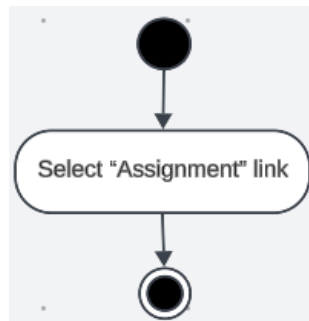
Use Case ID	UC-04
Name	Teacher Manages Assignments
Description	This function is provided for the teacher to manage their course assignments.
Primary Actor	Teacher
Pre-Condition(s)	The teacher must have authority in a course.
Post-Condition(s)	The assignment in the Teacher's course has been managed.
Flow of Events	<ol style="list-style-type: none">1. The teacher needs to view the assignments.<ol style="list-style-type: none">1.1. The teacher selects the "Assignment" link2. The teacher needs to create assignments.<ol style="list-style-type: none">2.1. The teacher selects the "Assign" button.2.2. The teacher fills in the topic and description of the assignment in the text fields.2.3. The teacher selects the files to attach, the due date, and the due time.2.4. The teacher fills in the score and weight in the text fields.2.5. The teacher selects the "Post" button.3. The teacher needs to grade assignments.<ol style="list-style-type: none">3.1. The teacher fills in the score and comments in the text fields.3.2. The teacher selects the "Submit" button.4. The teacher needs to delete assignments.<ol style="list-style-type: none">4.1. The teacher selects the "Delete" button.
Alternative and exceptional	None

URS-4 Teachers can view assignments.

Input

The teacher will view the assignment posts.

Process (No 1. in Flow of Events)



Output

The existing announcements will be displayed after the Assignments link is clicked

Software Requirement Specification

SRS-4.4.1. The system shall provide the link in the teacher system homepage to the assignment management interface.

SRS-4.4.2. The system shall provide the service to show the list of assignments of the course in four categories (Not turned in, Turned in, Late, Graded).

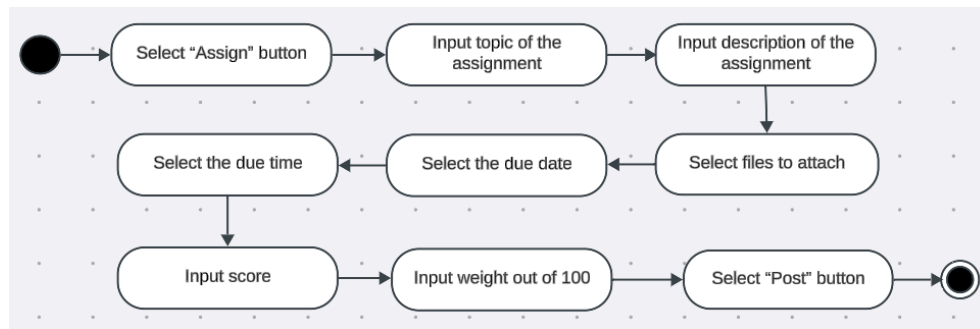
URS-5 Teachers can create assignments.

Input

The teacher will create an assignment.

Input	Constraints	Example
Topic	The system allows alphabetic letters, numbers, spaces, and symbols.	Homework1: Introduction
Description	The system allows alphabetic letters, numbers, spaces, and symbols.	Finish the attached document by the next class.
File	The system allows jpg, png, pdf, and docx file types.	hw1.pdf
Due Date	The input must follow the MM/DD/YYYY format. The system allows only numbers for day (DD), month (MM), and year (YY). The date must be a valid calendar date.	12/11/2024
Due Time	The input must follow the HH:MM AM/PM format. The system allows only numbers for hour (HH) and minute (MM).	11:59 PM
Input	Constraints	Example
Score	The system allows only numbers.	30
Weight (out of 100%)	The system allows only numbers.	5

Process (No 2. in Flow of Events)



Output

All assignment details will be recorded on the Database only when the teacher fills in the information following the constraints that have been stated above. Selecting files to attach is not required. Then, the system will show the assignment for both students and teachers.

Software Requirement Specification

SRS-1.1.4. The system shall provide a Cancel button to cancel the action.

SRS-4.5.1. The system shall display the assignment creation pop-up interface

SRS-4.5.2. The system shall provide text fields for topic, description, score, and weight in the course creation interface.

SRS-4.5.3. The system shall provide selections for file, due date, and due time in the course creation interface.

SRS-4.5.4. The system shall provide a Post button to post an assignment.

SRS-4.5.5. The system shall display the created assignment post in the Assignments section.

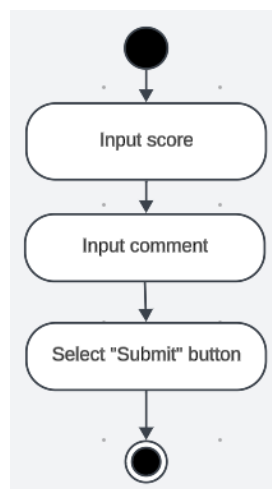
URS-6 Teachers can grade assignments.

Input

The teacher will create an assignment.

Input	Constraints	Example
Score	The system allows only numbers.	15
Comment	The system allows alphabetic letters, numbers, spaces, and symbols.	Good work.

Process (No 3. in Flow of Events)



Output

All assignment grading details will be recorded on the Database only when the teacher fills in the information following the constraints that have been stated above. Commenting is not required. Then, the system will show the graded assignment in the Graded section of both students and teachers.

Software Requirement Specification

SRS-4.6.1. The system shall display the submitted assignment details.

SRS-4.6.2. The system shall provide text fields for scores and comments.

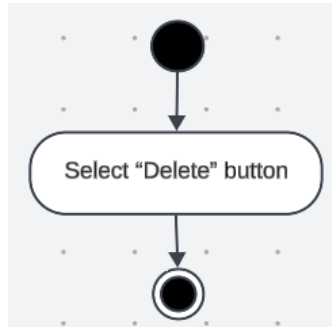
SRS-4.6.3. The system shall provide a Submit button to submit the grading of the assignment.

URS-7 Teachers can delete assignments.

Input

The teacher will delete an assignment.

Process (No 4. in Flow of Events)



Output

The assignment post will be deleted from the database after the Delete button is selected. Then, the system will remove the assignment post in the Assignments section for both students and teachers.

Software Requirement Specification

SRS-4.7.1. The system shall display the Delete button for each assignment post.

SRS-4.7.2. The system shall not display the deleted assignment in the Assignments section.

Use Case 5: Student Manages Assignments.

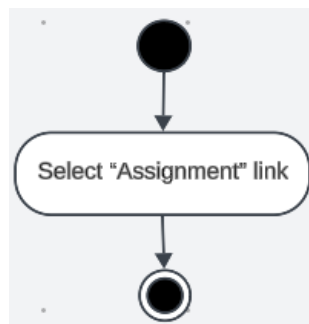
Use Case ID	UC-05
Name	Student Manages Assignments
Description	This function is provided for the student to manage their assignments..
Primary Actor	Student
Pre-Condition(s)	The student must be in a course with an assignment assigned to them.
Post-Condition(s)	The assignment has been managed by the student.
Flow of Events	<ol style="list-style-type: none"> 1. The student needs to view the assignments. <ol style="list-style-type: none"> 1.1. The student selects the "Assignment" link 2. The student needs to submit assignments. <ol style="list-style-type: none"> 2.1. The student selects the "Forthcoming" or "Past Due" section. 2.2. The student selects the "View Assignment" link. 2.3. The student selects files to attach. 2.4. The student selects the "Submit" button. 3. The student needs to unsubmit assignments. <ol style="list-style-type: none"> 3.1. The student selects the "Completed" section. 3.2. The student selects the "View Assignment" link. 3.3. The student selects the "Unsubmit" button. 3.4. The student confirms the unsubmission.
Alternative and exceptional	None

URS-8 Students can view assignments.

Input

The student will view the assignment posts.

Process (No 1. in Flow of Events)



Output

The existing assignments will be displayed after the Assignments link is clicked

Software Requirement Specification

SRS-5.8.1. The system shall provide the link in the system homepage to the assignment management interface.

SRS-5.8.2. The system shall provide the service to show the list of assignments of the course in four categories (forthcoming, past due, graded, and completed).

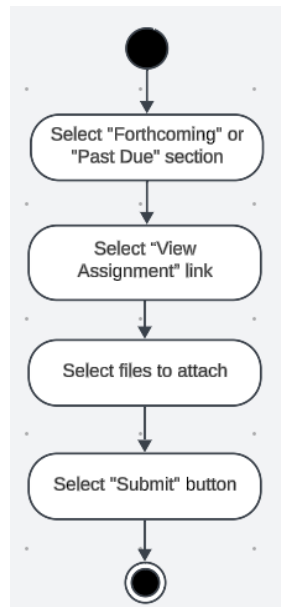
URS-9 Students can submit assignments.

Input

The student will submit an assignment.

Input	Constraints	Example
File	The system allows jpg, png, pdf, and docx file types.	hw1_65XXXXXX.pdf

Process (No 2. in Flow of Events)



Output

The submitted assignment will be recorded on the Database only when the student fills in the information following the constraints that have been stated above. Then, the system will mark the assignment as completed and the submission will be displayed to the teacher.

Software Requirement Specification

SRS-1.1.4. The system shall provide a Cancel button to cancel the action.

SRS-5.9.1. The system shall provide a View Assignment link to display the assignment details.

SRS-5.9.2. The system shall provide selections for files in assignment details.

SRS-5.9.3. The system shall provide a Submit button to submit an assignment.

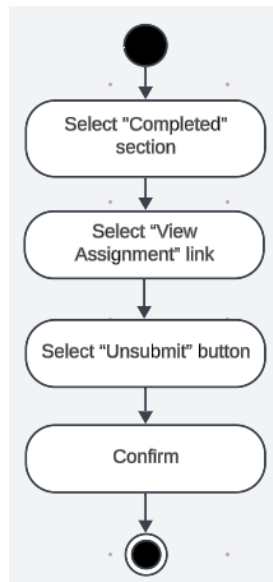
SRS-5.9.4. The system shall display the submitted assignment post in the Completed section.

URS-10 Students can unsubmit assignments.

Input

The student will unsubmit an assignment.

Process (No 3. in Flow of Events)



Output

The submitted assignment will be removed from the Database when the student confirms the assignment unsubmission. Then, the system will mark the assignment as incompleted and the assignment will be displayed in the Forthcoming or Past Due section.

Software Requirement Specification

SRS-5.9.1. The system shall provide a View Assignment link to display the assignment details.

SRS-5.10.1. The system shall display the submitted assignments in the Completed section.

SRS-5.10.2. The system shall provide an Unsubmit button to unsubmit an assignment.

SRS-5.10.3. The system shall display the unsubmitted assignment post in the Forthcoming or Past Due section.

Use Case 6: Teacher Manages Announcement Posts.

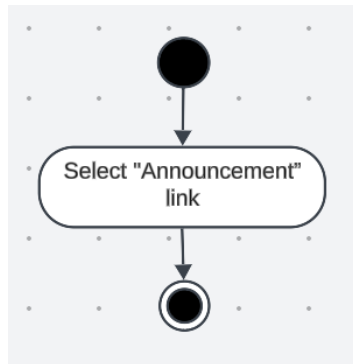
Use Case ID	UC-06
Name	Teacher Manages Announcement Posts
Description	This function is provided for the Teacher to create and delete the announcement post.
Primary Actor	Teacher
Pre-Condition(s)	Teachers must have authority for that course.
Post-Condition(s)	The announcement post has been created or deleted by the Teacher.
Flow of Events	<ol style="list-style-type: none">1. The teacher needs to view an announcement post of their course.<ol style="list-style-type: none">1.1. The teacher selects the “Announcement” link2. The teacher needs to add an announcement post to their course.<ol style="list-style-type: none">2.1. The teacher selects the “Create” button2.2. The teacher fills in the topic and description in the text fields2.3. The teacher selects files to attach2.4. The teacher selects the “Post” button3. The teacher needs to delete an announcement post to their course.<ol style="list-style-type: none">3.1. The teacher selects “Announcement” in the menu on the main page.3.2. The teacher selects one of the posts in the Announcement posts list.3.3. The teacher selects “Delete”
Alternative and exceptional	None

URS-11 Teachers can view announcement posts.

Input

The teacher will create an announcement post.

Process (No 1. in Flow of Events)



Output

The existing announcements of that course will be displayed after the Announcement link is clicked.

Software Requirement Specification

SRS-6.11.1. The system shall provide the link in the teacher system homepage to the announcement management interface.

SRS-6.11.2. The system shall provide the service to show the list of announcements of the course.

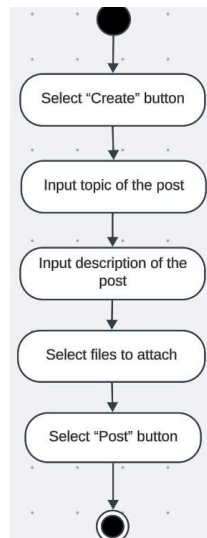
URS-12 Teachers can create an announcement post.

Input

The teacher will create an announcement post.

Input	Constraints	Example
Topic	The system allows alphabetic letters, numbers, spaces, and symbols.	Thursday's class is canceled.
Description	The system allows alphabetic letters, numbers, spaces, and symbols.	This week's Thursday class is cancelled and a makeup class will be announced later.
File	The system allows jpg, png, pdf, and docx file types with less than 10 MB file size.	midterm_scores.jpg

Process (No 2. in Flow of Events)



Output

All announcement post details will be recorded on the Database only when the teacher fills in the information following the constraints that have been stated above. Selecting files to attach is not required. Then, the system will show the announcement post in the Announcement section of both students and teachers.

Software Requirement Specification

SRS-1.1.4. The system shall provide a Cancel button to cancel the action.

SRS-6.12.1. The system shall display the post creation pop-up interface

SRS-6.12.2. The system shall provide text fields for the topic and description sections in the post creation interface, in order to fill in the announcement post details.

SRS-6.12.3. The system shall provide a Choose File button to select attaching files.

SRS-6.12.4. The system shall provide a Post button to post an announcement.

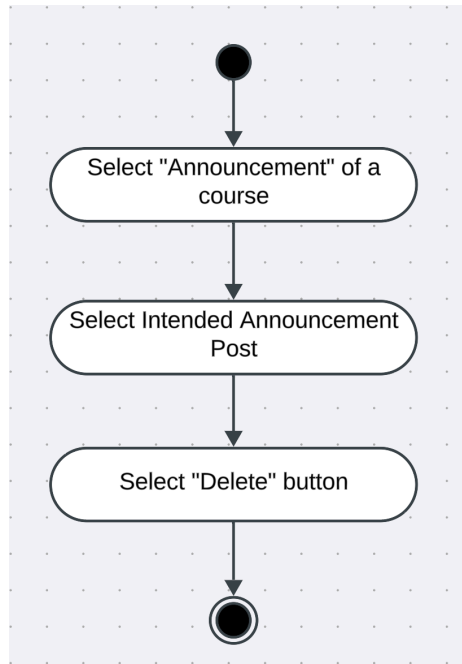
SRS-6.12.5. The system shall display the created announcement post in the Announcements section.

URS-13 Teacher can delete announcement posts

Input

The teacher selects the "Delete" button.

Process (No 3. in Flow of Events)



Output

The announcement post intended for deletion is removed from the database and disappears from the announcement page.

Software Requirement Specification

SRS-6.13.1. The system shall provide a service and button to delete an announcement post

SRS-6.13.2. The system shall not display the deleted announcement in the announcement section.

Use Case 7: Student Views Announcement Posts.

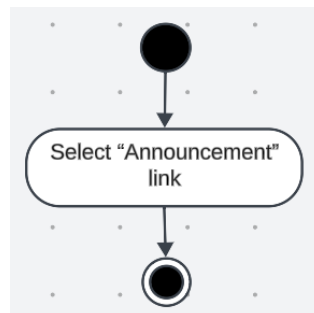
Use Case ID	UC-07
Name	Student Views Announcement Posts
Description	This function is provided for the student to view the course's announcement post.
Primary Actor	Student
Pre-Condition(s)	The student must be in a course with an announcement post.
Post-Condition(s)	The course has been viewed by the student.
Flow of Events	<ol style="list-style-type: none">1. The student needs to view an announcement post in a course they are in.<ol style="list-style-type: none">1.1. The student selects the announcement's link.
Alternative and exceptional	None

URS-14 Students can view announcement posts.

Input

The student will view the announcement posts.

Process (No 1. in Flow of Events)



Output

The existing announcements will be displayed after the Announcement link is clicked

Software Requirement Specification

SRS-6.11.2. The system shall provide the service to show the list of announcements of the course.

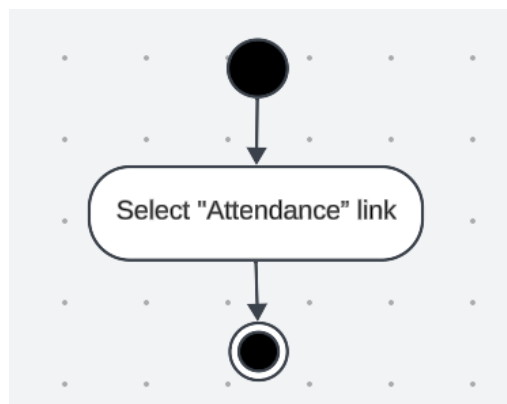
SRS-7.14.1. The system shall provide the link in the student system homepage to the announcement management interface.

Use Case 8: Teacher Manages Attendances.

Use Case ID	UC- 08
Name	Teacher Manages Attendances
Description	This function is provided for the Teacher to manage the attendance.
Primary Actor	Teacher
Pre-Condition(s)	The teacher must have authority for that course. Teachers must have students in that course.
Post-Condition(s)	Attendance has been checked by the Teacher.
Flow of Events	<ol style="list-style-type: none"> 1. The teacher needs to view attendance for a course. <ol style="list-style-type: none"> 1.1. Select "Attendance" 2. The teacher needs to create attendance for each date. <ol style="list-style-type: none"> 2.1. Select "Attendance" of a specific course 2.2. Select the "Create Attendance" button 2.3. Input the intended attendance date, for example, the current date 2.4. Select "Create" button 3. The teacher needs to check the attendance. <ol style="list-style-type: none"> 3.1. Select "Attendance" of a specific course 3.2. Select the intended date for checking attendance 3.3. Select the intended student from the list of students enrolled 3.4. Input the attendance status 3.5. Select the "Save" button
Alternative and exceptional	None

URS-15 Teachers can view attendance.

Process (No 1. in Flow of Events)



Output

The existing attendance of that course will be displayed after the Attendance link is clicked.

Software Requirement Specification

SRS-8.15.1. The system shall provide the link in the teacher system homepage to the attendance record interface.

SRS-8.15.2. The system shall provide the service to show the list of attendance records for each date.

SRS-8.15.3. The system shall provide the service to show the list of attending dates

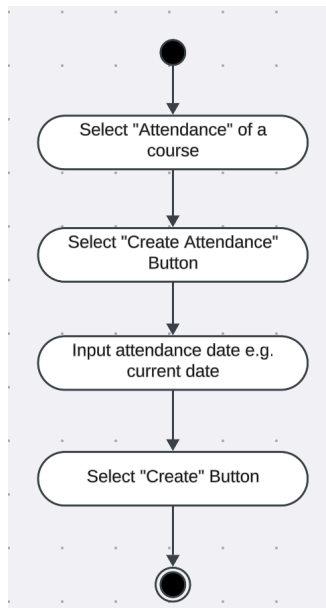
URS-16 Teachers can create attendance.

Input

The teacher will create an attendance list for a specific date

Input	Constraints	Example
Attendance date	The system allows using date with the format mm/dd/yyyy	12/25/2024

Process (No 2. in Flow of Events)



Output

New attendance information is created for the selected date in the database and displayed in the list of attending dates

Software Requirement Specification

SRS-1.1.4. The system shall provide a Cancel button to cancel the action.

SRS-8.16.1. The system shall display the attendance record creation pop-up interface

SRS-8.16.2. The system shall provide date fields for the date sections in the attendance record creation interface, in order to fill in the attendance record details.

SRS-8.16.3. The system shall provide a Create button to create an attendance record.

SRS-8.16.4. The system shall display the created attendance record in the attendance section.

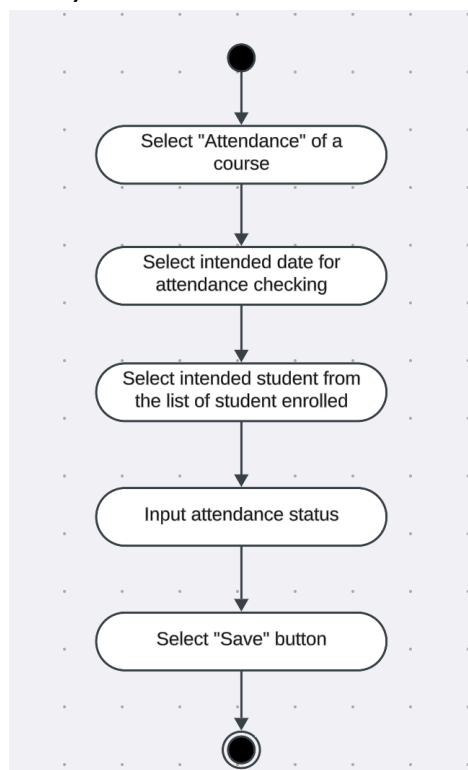
URS-17 Teachers can check attendance.

Input

The teacher checks students' attendance

Input	Constraints	Example
Attendance status	The system allows using a selection form with the field of present, late, and absent.	Absent
Remark	The system allows using 255 alphabetic length, space and symbol.	Personal leave

Process (No 3. in Flow of Events)



Output

Each student's attendance status and the remark are updated in the database and displayed in the list of attendance for the intended date.

Software Requirement Specification

SRS-8.17.1 The system shall provide a dropdown box for students' attendance statuses (present, absent, and late).

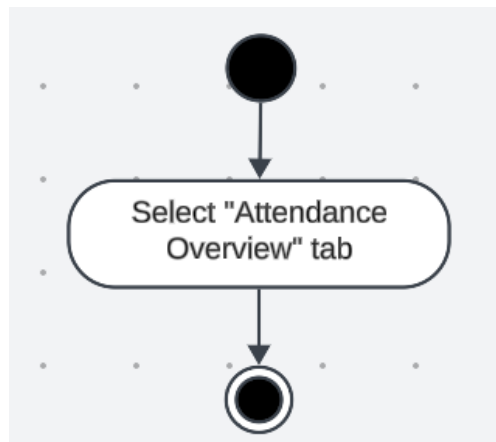
SRS-8.17.2 The system shall provide a text field for a remark section for each student.

Use Case 9: Student Views Attendances.

Use Case ID	UC-09
Name	Student Views Attendances.
Description	This function is provided for the students to view their attendance.
Primary Actor	Student
Pre-Condition(s)	The student must be in a course.
Post-Condition(s)	The attendance has been viewed by the student.
Flow of Events	<ol style="list-style-type: none">1. The student needs to view their attendance.<ol style="list-style-type: none">1.1. The student selects the "Attendance Overview" in the app bar.
Alternative and exceptional	None

URS-18 Students can view attendance.

Process (No 1. in Flow of Events)



Output

The attendance record of each course that the student is enrolled in, showing in each course is the course's identification number, the course's name, and the total number of times present, late, and absent.

Software Requirement Specification

SRS-8.15.2. The system shall provide the service to show the list of attendance records for each date.

SRS-8.15.3. The system shall provide the service to show the list of attending dates

SRS-9.18.1. The system shall provide the link in the student system homepage to the attendance record interface.

Use Case 10: Teacher Assigns Grades.

Use Case ID	UC-10
Name	Teacher Assigns Grades
Description	This function is provided for the teacher to assign grading.
Primary Actor	Teacher
Pre-Condition(s)	The teacher must have authority in the course.
Post-Condition(s)	The grading has been assigned by the teacher.
Flow of Events	<ol style="list-style-type: none">1. The teacher needs to assign grades to students for a course.<ol style="list-style-type: none">1.1. Select the "Grade" link1.2. Enter the letter grade for specific students1.3. Select the "Save" button2. The teacher needs to edit the grades of students for a specific course<ol style="list-style-type: none">2.1. Select "Edit" button2.2. Enter the new letter grade for the specific students2.3. Select the "Save" button
Alternative and exceptional	None

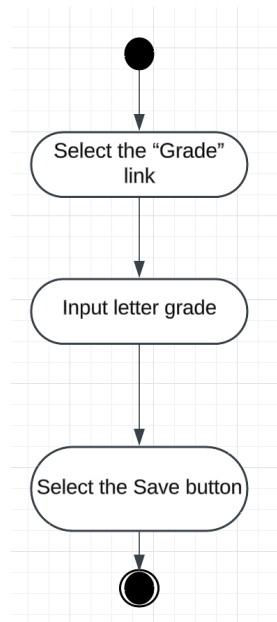
URS-19 Teachers can assign grades.

Input

The teacher will assign grades to specific students

Input	Constraints	Example
Letter grade	The system allows using letter grades, including A, B+, B, C+, C, D+, D, and F	A

Process (No 1. in Flow of Events)



Output

Each student's course grades are updated in the database and displayed in the list of grades for each student.

Software Requirement Specification

SRS-10.19.1. The system shall provide text fields for the grade sections in the students' grades list interface, in order to fill in the letter grade of each student.

SRS-10.19.2. The system shall provide a save button to save the inputted grade.

SRS-10.19.3. The system shall display the assigned grade in the grade section.

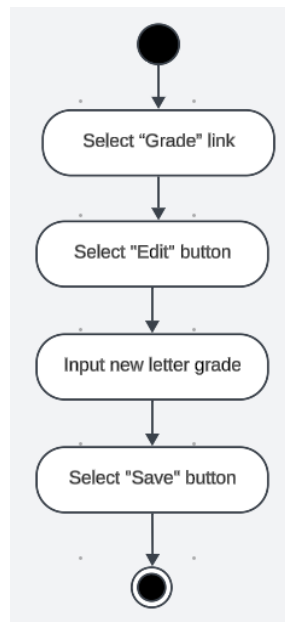
URS-20 Teachers can edit grades.

Input

The teacher will edit grades.

Input	Constraints	Example
Letter grade	The system allows using letter grades, including A, B+, B, C+, C, D+, D, and F	B

Process (No 1. in Flow of Events)



Output

A new grade of the student is updated in the database and displayed in the list of grades for each student in the course.

Software Requirement Specification

SRS-10.19.1. The system shall provide text fields for the grade sections in the students' grades list interface, in order to fill in the letter grade of each student.

SRS-10.19.2. The system shall provide a save button to save the inputted grade.

SRS-10.19.3. The system shall display the assigned grade in the grade section.

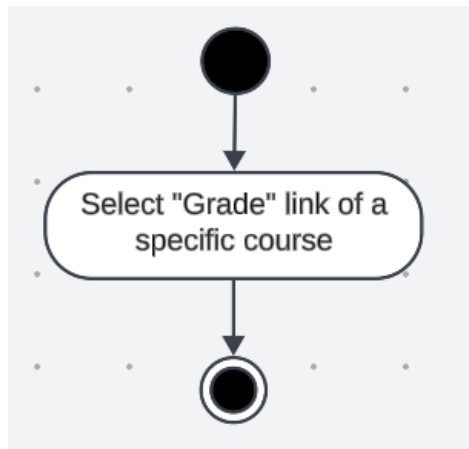
SRS-10.20.1. The system shall provide an edit button to edit the existing grade.

Use Case 11: Teacher or Student views grades.

Use Case ID	UC-11
Name	Teacher or Student views grades.
Description	This function is provided for the teacher and student to view grades.
Primary Actor	Teacher or Student
Pre-Condition(s)	<p>The teacher must have authority in a course.</p> <p>The teacher must have at least one student enrolled in a course.</p> <p>The teacher must have at least one assignment in a course.</p> <p>The student must be in a course.</p> <p>The student must have at least one assignment assigned to them.</p>
Post-Condition(s)	The grading has been viewed by the teacher or student..
Flow of Events	<ol style="list-style-type: none"> 1. The student needs to view their grades for the assignments in a specific course. <ol style="list-style-type: none"> 1.1. The student selects the “Grade” link of a specific course. 2. The student needs to view their grade for a specific assignment in a specific course. <ol style="list-style-type: none"> 2.1. The student selects the “Assignment” link of a specific course. 2.2. The student selects the “View Assignment” link of a specific assignment. 3. The student needs to view all the grades of all the courses they are enrolled in. <ol style="list-style-type: none"> 3.1. The student selects the “Grade Overview” tab in the app bar. 4. The teacher needs to view all the students’ grades in a specific course. <ol style="list-style-type: none"> 4.1. The teacher selects the “Grade” link of a specific course. 5. The teacher needs to view all the students’ grades in a specific assignment. <ol style="list-style-type: none"> 5.1. The teacher selects the “Assignment” link of a specific course. 5.2. The teacher selects the “Check” button for a specific assignment. 6. The teacher needs to view all the classes’ grades for all the courses they are teaching. <ol style="list-style-type: none"> 6.1. The teacher selects the “Grade Overview” tab in the app bar.
Alternative and exceptional	None

URS-21 Students can view grades for the assignments in a specific course.

Process (No 1. in Flow of Events)



Output

The table with the assignment's name, weight, total score, course's mean, min, max, and student's score will be displayed

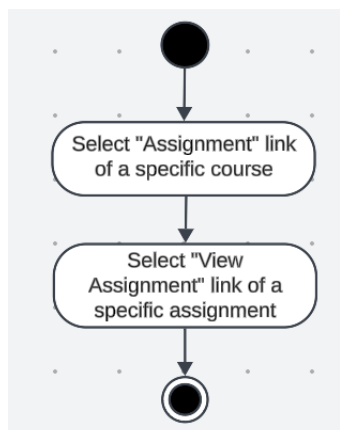
Software Requirement Specification

SRS-11.21.1. The system shall provide the service to show the list of all assignments' grades of the course.

SRS-11.21.2. The system shall provide the link in the student system homepage to the grades interface.

URS-22 Students can view grades for a specific assignment in a specific course.

Process (No 2. in Flow of Events)



Output

The screen with the assignment's name, total score, description, submission date, time, file attached, evaluated score, and comment will be displayed.

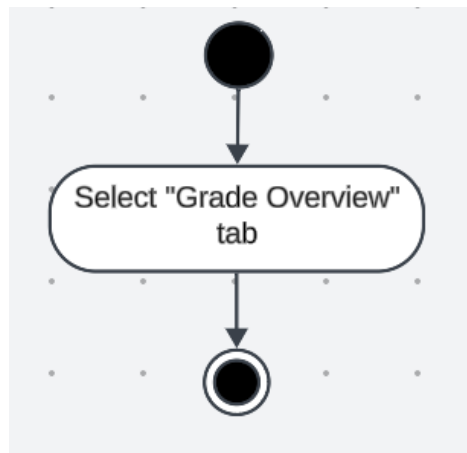
Software Requirement Specification

SRS-5.8.1. The system shall provide the link in the system homepage to the assignment management interface.

SRS-5.9.1. The system shall provide a View Assignment link to display the assignment details.

URS-23 Students can view all the grades of all the enrolled courses.

Process (No 3. in Flow of Events)



Output

The screen with a table consisting of the course's identification number, name, credits, current score, and alphabetical grades will be displayed.

Software Requirement Specification

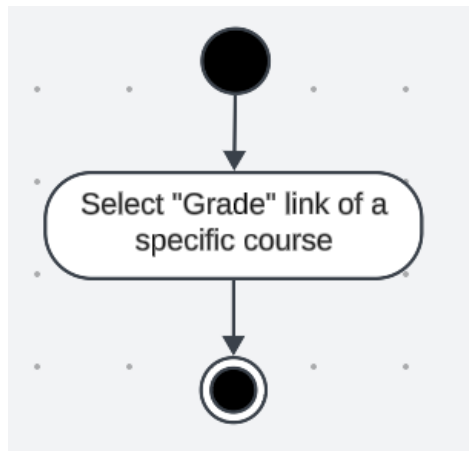
SRS-11.23.1. The system shall provide the service to show the list of all courses' grades.

SRS-11.23.2. The system shall provide the service to show the graph of overall grades.

SRS-11.23.3. The system shall provide the tab on the system homepage to the grade overview interface.

URS-24 Teachers can view all the students' grades in a specific course

Process (No 4. in Flow of Events)



Output

The table with each student's ID, name, total score, grade, the course's mean score, minimum score, maximum score, standard deviation, and a graph of all students' grades will be displayed.

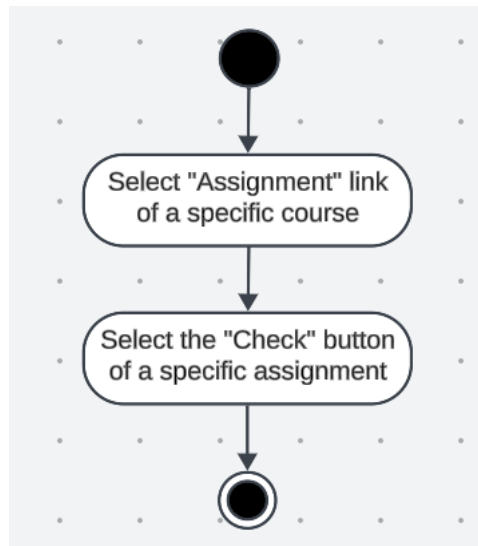
Software Requirement Specification

SRS-11.24.1. The system shall provide the service to show the list of all students' grades for the course.

SRS-11.24.2. The system shall provide the link in the teacher system homepage to the grades interface.

URS-25 Teachers can view all the students' grades in a specific assignment.

Process (No 5. in Flow of Events)



Output

The screen with the assignment's name, total score, weight, summary including min, max, and mean. Each row is a student with the student's identification number, full name, and score.

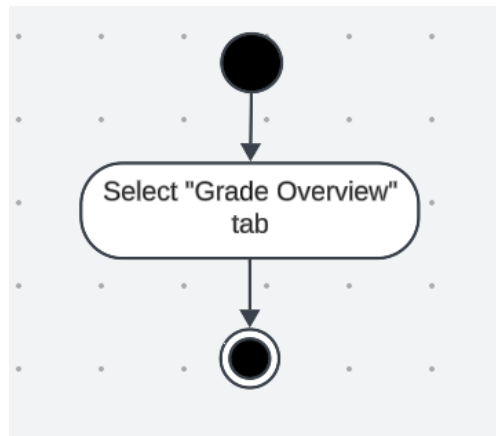
Software Requirement Specification

SRS-5.8.1. The system shall provide the link in the system homepage to the assignment management interface.

SRS-11.25.1. The system shall provide a Check button to display the assignment details of all students in the specific course.

URS-26 Teachers can view all the classes' grades for all the courses they are teaching.

Process (No 6. in Flow of Events)



Output

The screen will display a table with each course having course's name, credits, mean, min, and max..

Software Requirement Specification

SRS-11.23.1. The system shall provide the service to show the list of all courses' grades.

SRS-11.23.2. The system shall provide the tab in the system homepage to the grade overview interface.