CIS417- System Analysis and Design

Online Learning Management System

Milestone 3

Name	ID
Ruba jamal alzahrani	**2220004549**
Budur Khalaf Alqattan	**2230040030**
Zahra alshuwiki	2220006062
Raghad Lisloum	2220004295
Reef Alwarthan	2220006486
Albandari Aldossary	2220005834
Darah alqahtani	2210004542

Table of contents

Contents

Use Case diagram

Online Learning Management System (OLMS) Use Case Diagram

Actors: Guest User, Student, Administrator, Instructor, System

Use cases:
- Browse Courses
- Filter/Search Courses
- Handle Course Catalog
- View Course Details
- Enroll in Course
- Generate Certificates
- Manage Enrolled Courses
- Remove Courses
- Generate Course Reports
- Complete Courses
- Track Course Progress
- Update Completion Status
- View Grades
- Receive Certificates
- User Authentication
- Handle Course Enrollment
- Administrator Tasks
- Report System Issues
- Send Notifications
- Verify Course Availability
- Manage Courses and users
- Track Student Progress
- View Grades.
- Manage Courses
- Upload Assignments.
- View Enrolled Students

Relationships: <<include>>, <<extend>>

Use case description

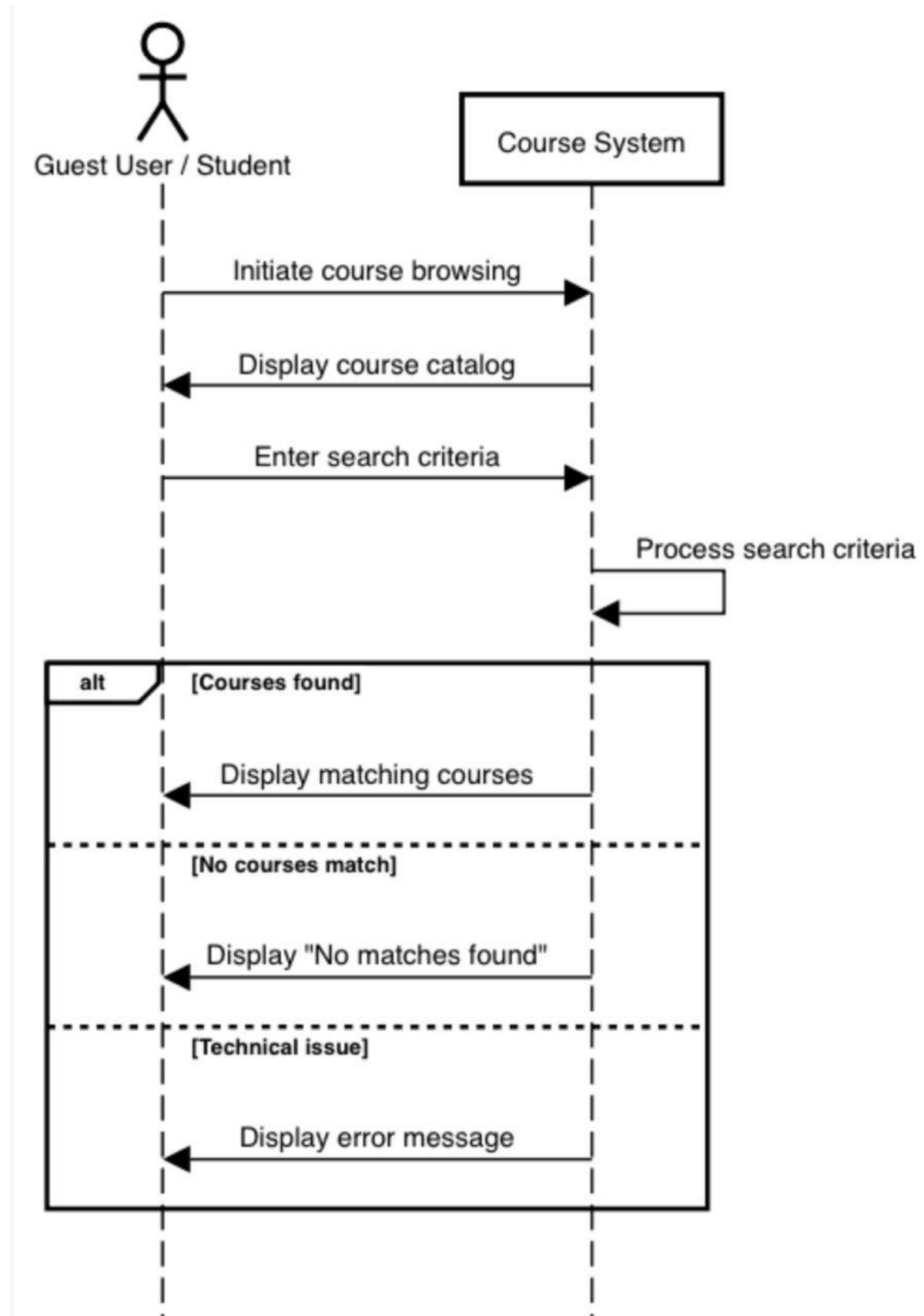|	
Use case **Brows Courses**	
Name: **Brows Courses**	
Actor: **guest user, student**	
Description: **allows the user to explore available courses in the system,users can filter or search for specific courses based on their preferences.**	
Successful completion: **the system displays a list of courses matching the user search**.	
Alternative: **1- no course matches the searched course.** **2- the user encounters a technical issue ,and the system displays an error message.**	
Precondition: **1- the system is online and accessible.** **2- the course catalog has data available**.	
Postcondition:the user successfully views available courses.	
Assumptions:non	

Use case Enrol in Course
Name: enrol in course
Actor: student
Description: a registered student selects a course and enrols in it.
Successful completion: the student is successfully enrolled in the selected course, and the system updates the enrolled course list.
Alternative: **1**- the course is full and the system notifies the student of unavailability. **2**- the enrolment fails due to system error.
Precondition: **1**- the student is authenticated **2**- the course is available for enrolment
Postcondition: The student is enrolled and the course list is updated.
Assumptions:non

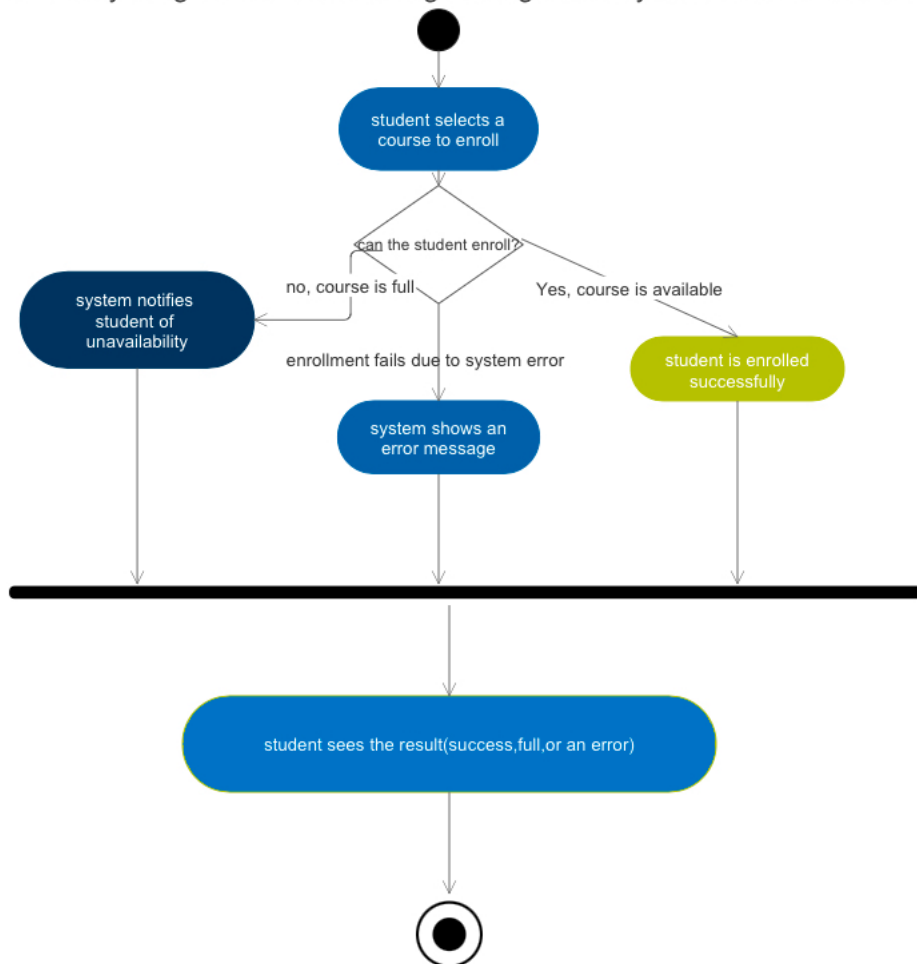# Sequence Diagram

Sequence diagram for enrolling in a course:
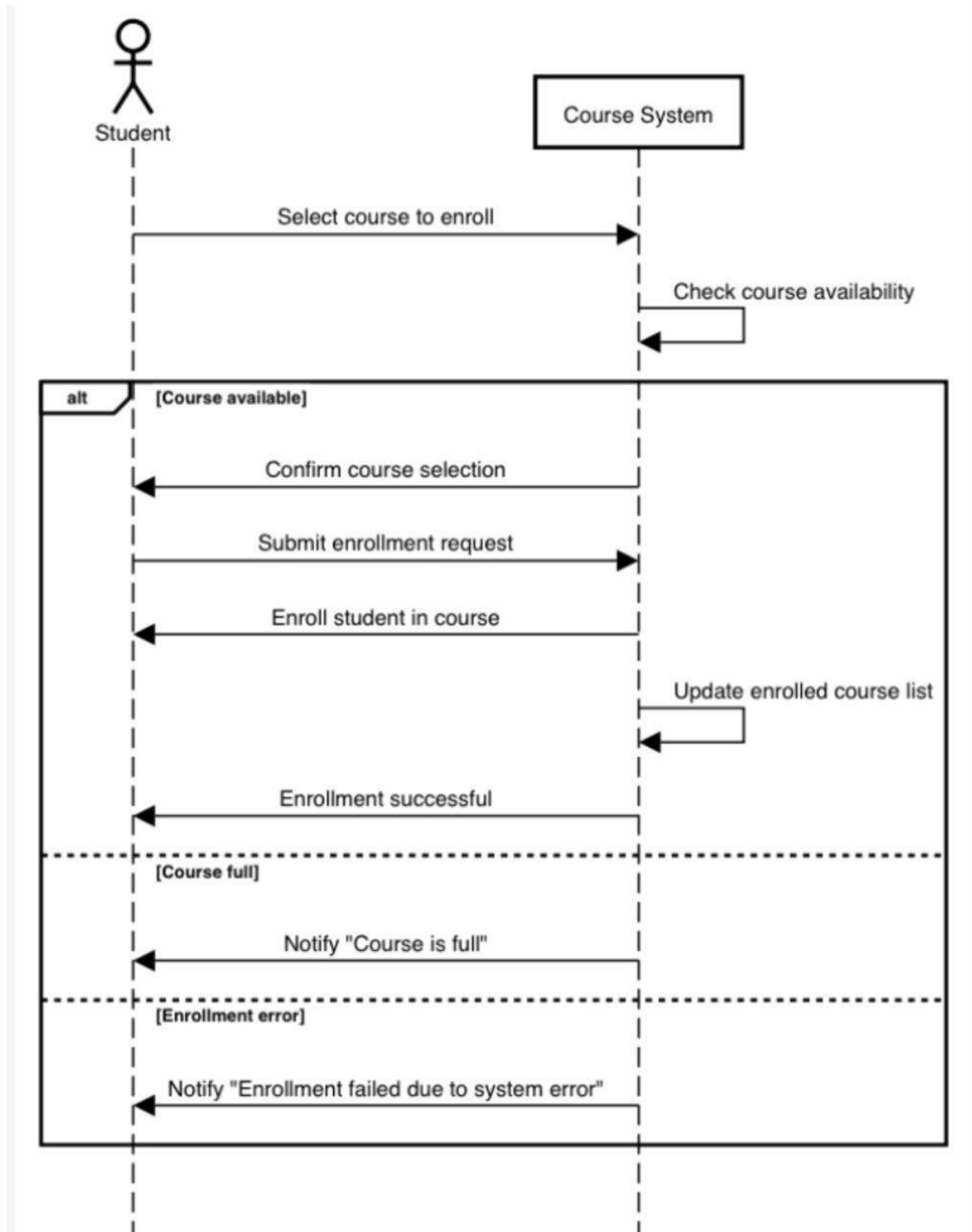
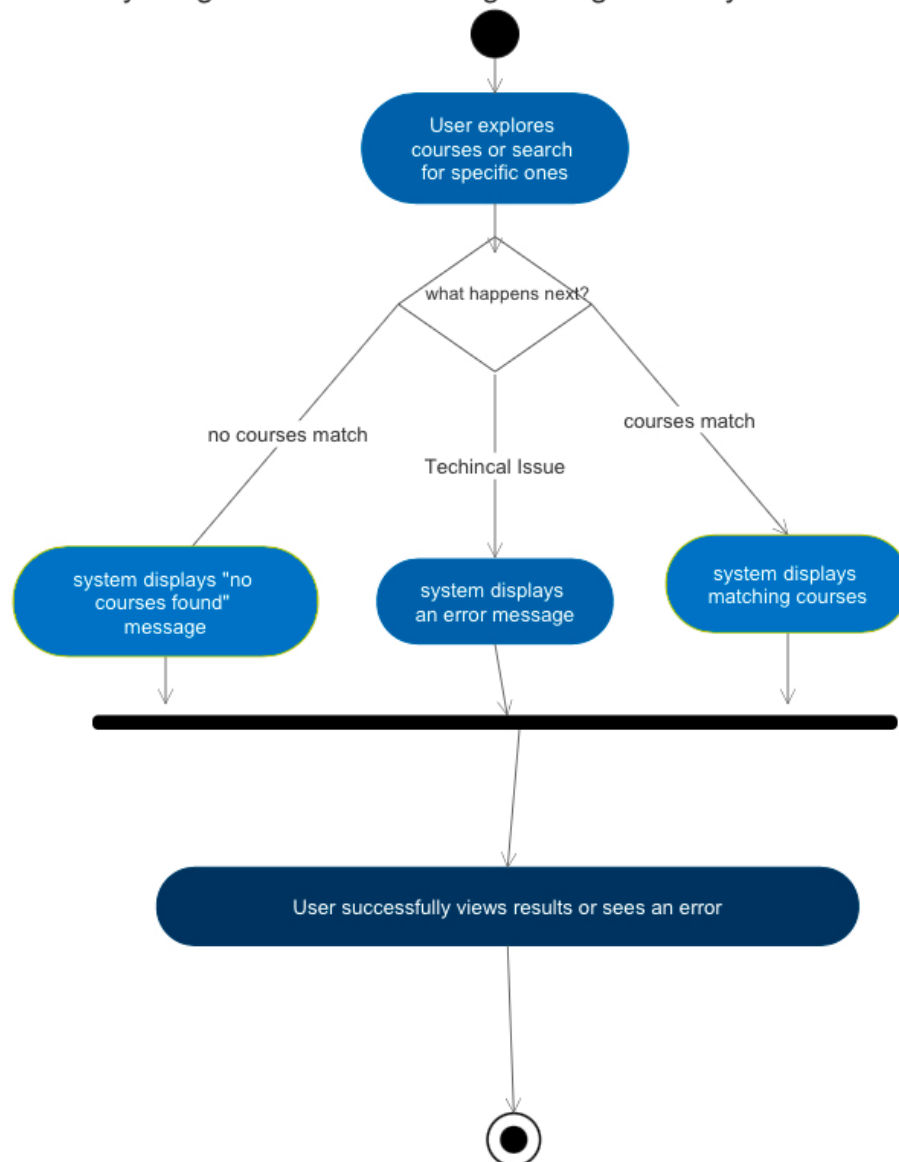Sequence diagram for browsing courses:

Activity Diagram

UML Activity Diagram: online learning management system enroll in course

student selects a
course to enroll

can the student enroll?

no, course is full

Yes, course is available

system notifies
student of
unavailability

enrollment fails due to system error

student is enrolled
successfully

system shows an
error message

student sees the result(success,full,or an error)

UML Activity Diagram: online learning management system browse course

User explores courses or search for specific ones

what happens next?

no courses match

Techincal Issue

courses match

system displays "no courses found" message

system displays an error message

system displays matching courses

User successfully views results or sees an error

Milestone 3 report

Name	Responsibility
Ruba jamal alzahrani	Use case Description
Budur Khalaf Alqattan	Use case diagram
Zahra alshuwiki	Use case diagram
Raghad Lisloum	Use case diagram
Reef Alwarthan	Use case diagram
Albandari Aldossary	Activity diagram
Darah alqahtani	Sequence diagram,