PROJECT PHASE 2

COURSE: CSE327.6

FACULTY: Sarnali Basak (SLB)

PROJECT: E-Learning Platform

Group Members:

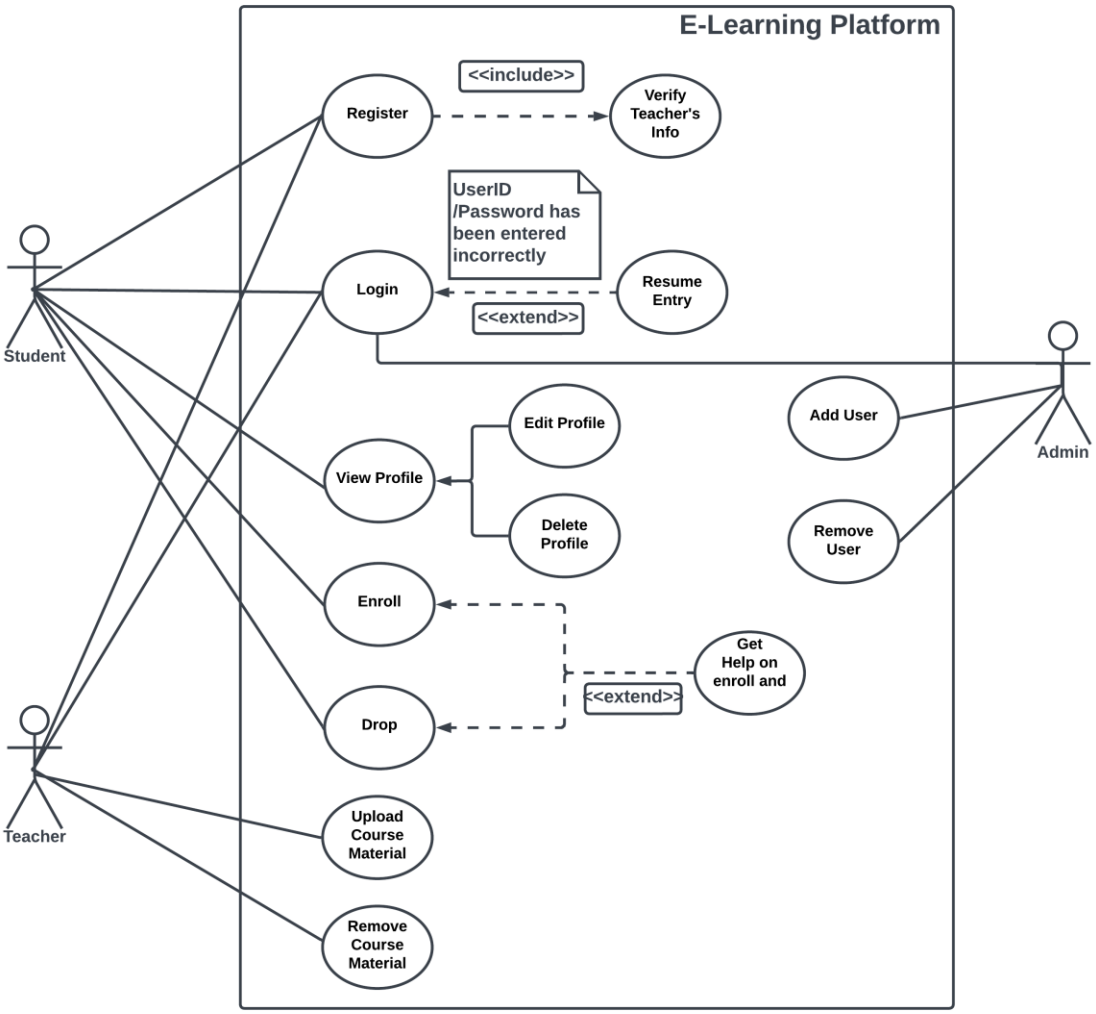
Md. Nafiz Al Mahmud (2012241042)

Asif Rahman (2012691042)

Mia Mahmudul Hoque Shaon (2014314042)

Md Nazmul Islam Srabon (2021227042)

Use Case Diagram:



Use Cases:

Use Case 1:

As a User

I want to register an user account on the site

So that I can log in into the website with my user credentials

Extended use case:

Name:	Registration
Description:	Users have to register for the very first time before login
Actors:	Teacher, Student
Type:	Primary
Preconditions:	Null
Main Flow: 1. Go to the website 2. Click the register button 3. The system will take the user to the register page	
Alternative Flows: 1. If the user enters invalid information, an error message will be prompted 2. If there is already an existing user with the same email, a message will be prompted	

Use Case 2:

As an Admin

I want to verify teachers before registering them into the website

So that I can ensure their verification

Extended use case:

Name:	Verification
Description:	Teachers have to be verified before registering
Actors:	Admin, Teacher
Type:	Primary
Preconditions:	Registration
Main Flow: 1. Go to the website 2. Click register as teacher 3. The system will take the user to the verification form	
Alternative Flows: 1. If the user clicks register as student, the system will not show the verification form	

Use Case 3:

As a User

I want to login into the website

So that I can do further works

Extended use case:

Name:	Login
Description:	Users can login into the system
Actors:	Student, Teacher, Admin
Type:	Primary
Preconditions:	Registration
Main Flow: 1. Go to the website 2. Click on Login 3. Enter login information	
Alternative Flows: 1. If the from is not filled up properly, an error message will be shown	

Use Case 4:

As a User

I want to edit my profile

So that I can update my information

Extended Use Case:

Name:	Edit profile
Description:	Users can edit their profile to update information
Actors:	Admin, Teacher, Student
Type:	Secondary
Preconditions:	Login
Main Flow: [Login use case] 3. Click on profile 4. Click edit profile 5. Fill up the form 6. Click update 7. The system will prompt password to confirm	
Alternative Flows: 1. If the form contains invalid information, error message will be shown	

Use Case 5:

As a Student

I want to see the list of offered courses

So that I can select which courses to enroll

Extended use case:

Name:	View Course
Description:	Students can see and browse the list of offered course lists
Actors:	Student
Type:	Secondary
Preconditions:	Login
Main Flow: [Login use case] 4. Click on Courses button 5. The system will display the list of courses to the user	
Alternative Flows: 1. The user can also see courses by categories	

Use Case 6:

As a Student

I want to enroll in my desired courses

Extended use case:

Name:	Enroll
Description:	Students can enroll into their desired courses form the offered course list
Actors:	Student
Type:	Primary
Preconditions:	Login
Main Flow: [View course use case] 6. Select any course 7. Click on enroll	
Alternative Flows: 1. The user can also see details of about the course by clicking on a details button.	

Use Case 7:

As a Student

I want to drop a course

Extended use case:

Name:	Drop course
Description:	Students can drop any enrolled course
Actors:	Students
Type:	Secondary
Preconditions:	Enroll
Main Flow: [Enroll use case] 8. Click on the course 9. Click on drop button	
Alternative Flows: 1. Users can also drop any course from their profile	

Use Case 8:

As a teacher

I want to create my course

Extended use case:

Name:	Create Course
Description:	Teachers can create their course
Actors:	Teacher
Type:	Primary
Preconditions:	Login, Verification
Main Flow: [Login use case] 4. Click on create course 5. Fill up the form with course information	
Alternative Flows: 1. Teachers cannot create a course before they are verified	

Use Case 9:

As a teacher

I want to upload my course materials into my course

So that students can learn

Extended Use Case:

Name:	Upload Course Materials
Description:	Teachers can upload their course materials
Actors:	Teacher
Type:	Secondary
Preconditions:	Create course
Main Flow: [Create course use case] 6. Go to the course 7. Click on upload contents 8. Confirm action by entering password	
Alternative Flows: 1. If the upload material type is not supported, an error message will be shown	

Use Case 10:

As a teacher

I want to publish my course

So that students can enroll

Extended Use Case:

Name:	Publish Course
Description:	Teachers can publish their course
Actors:	Teacher
Type:	Secondary
Preconditions:	Upload course materials
Main Flow: [Upload course materials use case] 9. Go to the course 10. Click on publish course 11. Enter password and confirm	
Alternative Flows: 1. The course cannot be published if it does not have any materials in it	

Use Case 11:

As a teacher

I want to edit my course

So that I can update my course materials

Extended Use Case:

Name:	Edit course
Description:	Users can update (Add/Remove) their course contents
Actors:	Teacher
Type:	Secondary
Preconditions:	Publish course
Main Flow: [Publish course use case] 2. Go to the course 3. Click on edit course 4. Make changes 5. Confirm action by entering password	
Alternative Flows: 1. If the file types are invalid, error message will be shown 2. If the password is incorrect, error message will be shown	

Use Case 12:

As a teacher

I want to delete my course

Extended Use Case:

Name:	Delete Course
Description:	Teachers can delete their course
Actors:	Teacher
Type:	Secondary
Preconditions:	Publish course
Main Flow: 1. Go to the course 2. Click on delete course 3. Confirm action by entering password	
Alternative Flows: 1. If the password is incorrect, an error message will be shown	

Use Case 13:

As an Admin

I want to see the list of all teachers, students and courses

So that I can manage my website

Extended Use Case:

Name:	View Users
Description:	Admin can see the list of all teachers, students and course
Actors:	Admin
Type:	Primary
Preconditions:	Login
Main Flow: [Login use case] 4. Click on view list 5. Select Students/Teachers/Course	
Alternative Flows: 1. User can also see the list of all users at once	

Use Case 14:

As an admin

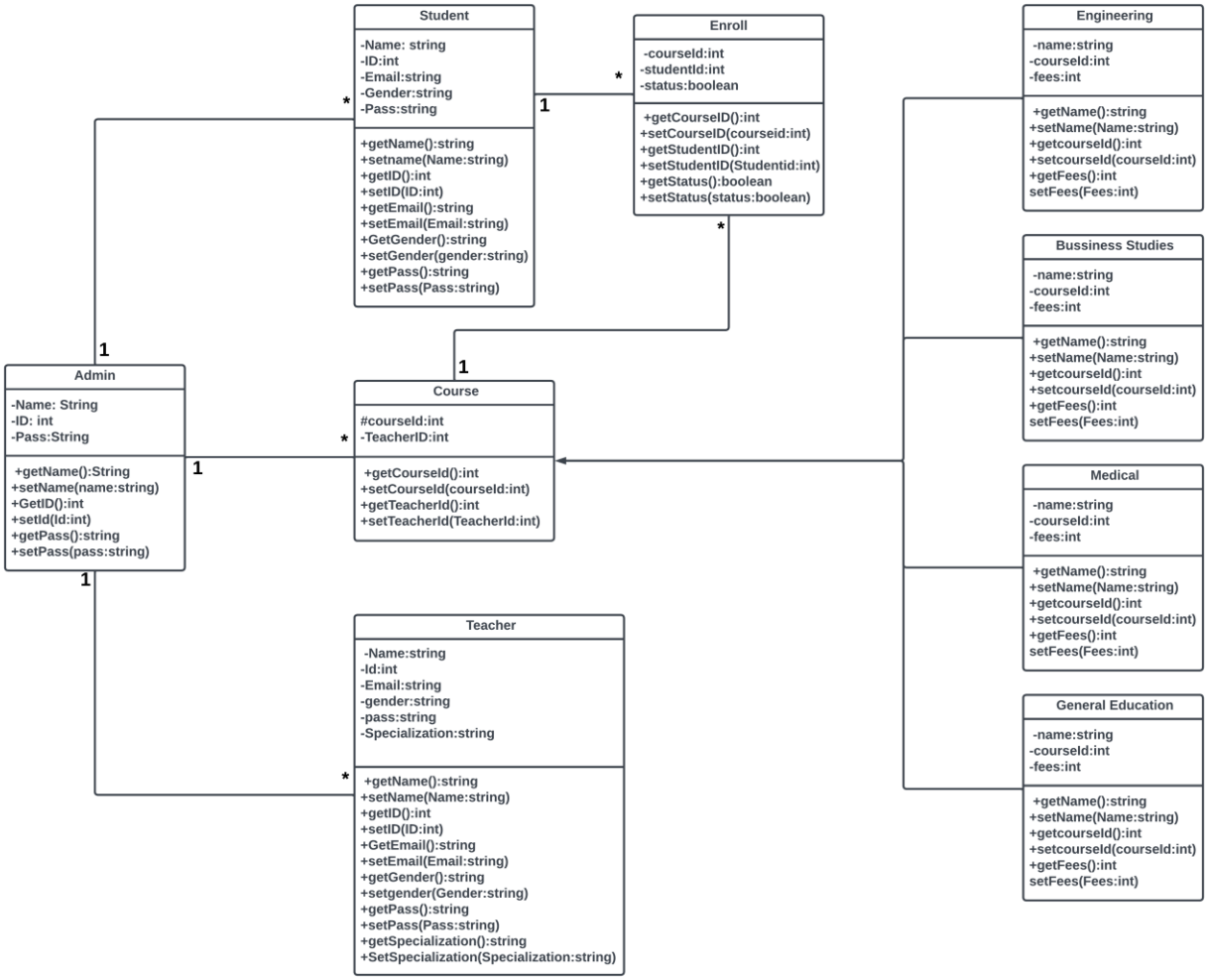
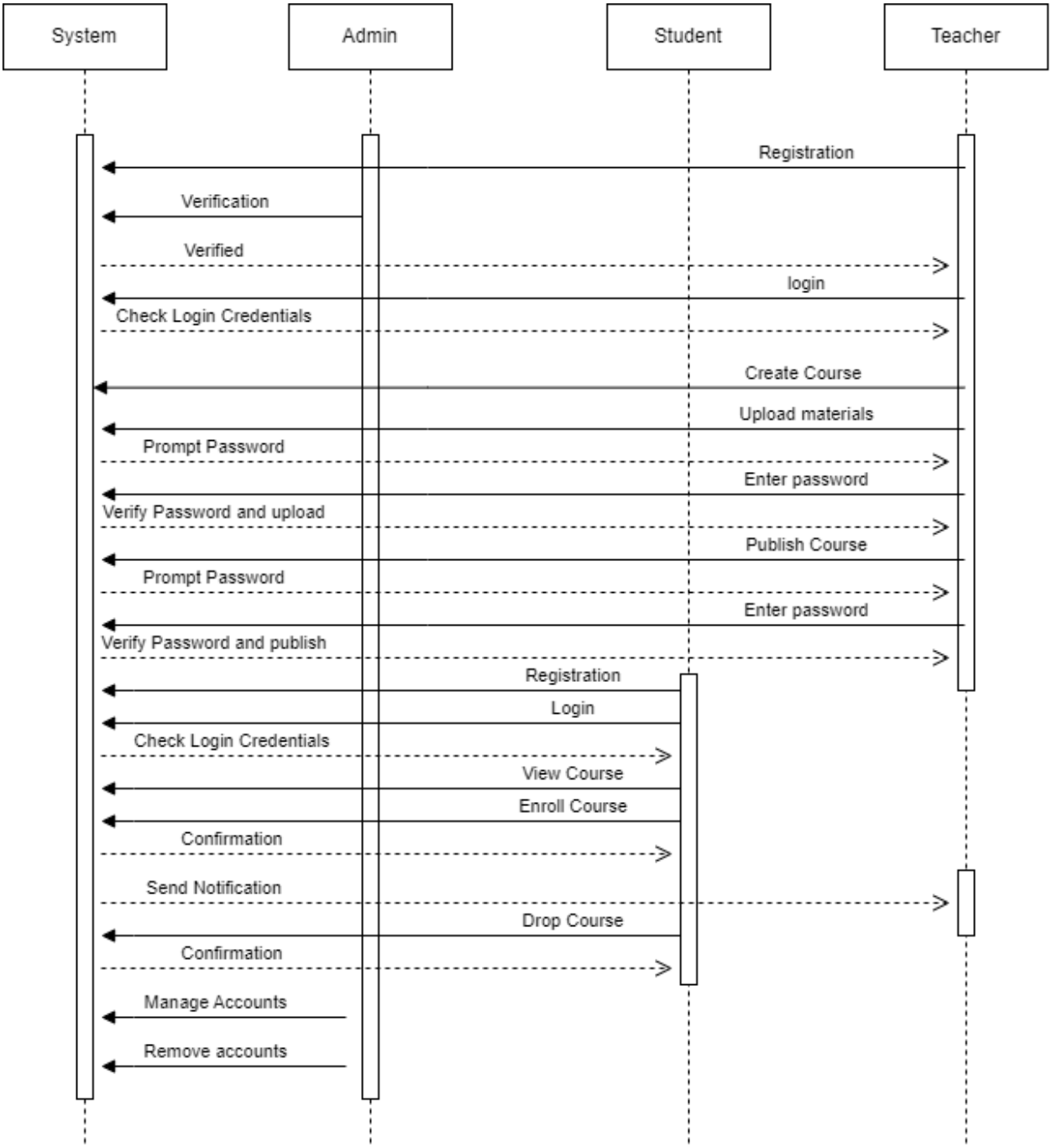
I want to remove other users

So that I can remove any unwanted teachers/students from our site

Extended Use Case:

Name:	Remove user
Description:	Admin can remove any unwanted user
Actors:	Admin
Type:	Primary
Preconditions:	Login
Main Flow: [View Users use case] 6. Click on any user 7. Click on remove user 8. Click confirm 9. The system will prompt password to confirm	
Alternative Flows: 1. If the site has no active user, a message will be shown	

Class Diagram:



Sequence Diagram: