

USE CASE DESCRIPTION

1.

Name: **Registration**

Identifier: UC1

Goal: Register the New User into the System.

Primary Actor: Teacher/Student

PostCondition: User is registered into the System successfully.

Basic flow:

1. The User clicks the **Registration** button.
2. The User enters the Username, Password, and other details.
3. The User clicks the **Submit** button.
4. The System checks the constraints and Verifies the information.
5. The System stores the information in the database.
6. The System prompts the message of 'successful registration' to the User.

Extensions (Or Alternative flows):

3a. The User clicks the **Cancel** button.

1. The System returns the User to the home page without registration, and any information entered has been erased.

4a. The System determines invalid information.

1. The System displays information with an appropriate message to correct invalid details.
2. The User re-enters information.

2.

Name: **Login**

Identifier: UC2

Goal: Log in the User into the System.

Primary Actor: Teacher/Student

PreCondition: The User must be the registered one.

PostCondition: The User logged in to the System successfully.

Basic flow:

1. The User clicks the **Login** button

[Extension Point: ForgetPwd]

2. The User enters his/her Username and Password.
3. The System validates the entered Username and Password, making sure that the entered details are valid.
4. The User logged into the System successfully.

Extensions (Or Alternative flows):

3[a]. The System determines Invalid Username and/or Password.

1. The System describes the reasons why the User failed authentication.
2. The User re-enters the Username and Password.

3.

Name: **Forget Password**

Identifier: UC3

At Extension Point ForgetPwd:

1. The User clicks on the **Forget Password** link.
2. The User enters his email ID.
3. The System mail the Password reset link to the verified email ID.
4. The User hits the **Reset password** link and resets the Password.
5. The System updates the Password details of the User in the database.
6. The User is informed about a successful password reset attempt.

4.

Name: **Create Classroom**

Identifier: UC4

Goal: Create a new classroom successfully.

Primary actor: Teacher

PreCondition: The teacher should be logged into the system.

PostCondition: The classroom is created successfully by the teacher.

Basic Flow:

1. Teacher creates a virtual classroom for a particular subject by clicking the **create class** button and specifies details such as class name,section,subject, other details.
2. The system creates the meet link and allocates it to the classroom.
3. The system creates the folder for the classroom in the teacher's drive.
4. Teacher adds the students of that particular subject to the classroom.
5. Teacher invites the students that were added previously to join the classroom via use case UC5 invites students.

Alternate Flow:

- 3[a]. Due to technical issues, the Classroom folder is not created into the drive.

5.

Name: **Invite students**

Identifier: UC5

Goal: All the invited students should be joined into the classroom .

Primary actor: Teacher

Secondary actor: Student

PreCondition: The teacher has created the classroom and the teacher has added the students.

PostCondition: The students are successfully joined into the classroom.

Basic Flow:

1. Teacher sends an invitation for joining the classroom to the added students by clicking the **invite student** button.
2. The system sends the notification to the students via email.
3. Students accept the invitation.
4. The system shares the folder of that classroom and the meet link with the students.

6.

Name: **Post Announcement**

Identifier: UC6

Goal: To Share the material/ideas/updates/notices/reminders to the students.

Primary Actor: Teacher

PostCondition: The Announcement will be shared with all the students.

Basic flow:

1. The Teacher clicks on the **Post Announcement** button .
2. The Teacher writes an Announcement.

[Extension Point: Attachment].

3. The Teacher clicks the Post button.
4. The System Upload and Share the attached file to all members, if any, in the drive folder of that classroom.
5. The System sends the notification mail to all the students and shares the Announcement in the classroom.
6. All members can see the Announcement posted.

7.

Name: **Add Attachment**

Identifier: UC7

Primary Actor: Teacher

At Extension Point Attachment:

1. The Teacher clicks on the add attachment button.
2. The Teacher browses for the file or link to attach in a local or network directory.
3. The Teacher selects the file/link and uploads it.

8.

Name: **Conduct Lecture**

Identifier: UC8

Goal: To Conduct the lecture

PostCondition: The recording of the lecture would be uploaded in the Classroom folder.

Primary Actor: Teacher/Student

Basic flow:

1. The Teacher/Student clicks on the link of the classroom to join the lecture meeting.
2. The Teacher starts the lecture recording.
3. The Teacher stops the lecture recording.
4. The System will Upload and Share the recording to all members in the drive folder of that classroom.

9.

Name : **Add Assignment**

Primary Actor : Teacher

Identifier : UC9

Goal : Teacher will be assigning the assignment to the students in the classroom.

PostCondition : Assignment will be shared to all the students and will be visible to the students in their to-do list.

Basic Flow:

1. The Teacher clicks on the **create new Assignment** button.
2. The Teacher first adds the Name for the assignment.
3. The teacher can add the instructions for the assignment or he/she can attach a file of the instructions related to assignment.
4. The teacher adds all the students he/she wants to assign this new assignment.
5. The teacher sets the deadline for the assignment and clicks on the **Submit** button.
6. The system creates a new folder for that assignment in the classroom folder.
7. The system adds the assignment to the timeline of the classroom and also to the to-do list of the students.
8. The System sends the notification mail to all the students and shares the Assignment Update.

Alternate Flow:

- 6[a]. Due to technical issues, the Assignment folder is not created into the drive.

10.

Name : **Submit Assignment**

Identifier : UC10

Primary Actor : Student

Secondary Actor : Teacher

Goal : Students are supposed to submit the assignment within the specified deadline.

PreCondition : Assignment should be assigned to the student by the teacher.

PostCondition : The Student should submit the assignment within the specified time.

Basic Flow:

1. The student views all the detailed instructions for the assignment by clicking on it.
2. The student clicks on the **Submit Assignment** button.
3. The student browses the file and then uploads it.
4. The student clicks on the **submit** button.
5. The system stores the uploaded student assignment file in the assignment folder.

Alternate Flow:

- 4[a]. Due to some technical difficulties or internet issues, the submission file is not uploaded.

- 5[a]. If the student submits the assignment after the deadline it will be highlighted as Late Submission.

