

## Authenticate

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| Identifier and name:   | US 1 Authenticate  |
| Initiator              | User   |
| Goal :                 | The user intends to access the LMS system or perform authentication-related actions.   |
| Precondition:          | None   |
| Postcondition:         | The user successfully interacts with the authentication features of the LMS system, performing sign-in, sign-up, or sign-out actions as needed.  |
| Main success scenario: | <p>Log in :</p> <p>1-actor enters his account and password.</p> <p>2-the system verifies login parameters.</p> <p>3-login done.</p> <p>Sign up :</p> <p>1-actor enters his info</p> <p>2-the system creates a new account for him</p> <p>Log out :</p> <p>1-the user is currently signed in to their account</p> <p>2-When the user chooses to sign out , they are no longer authenticated within the system</p> |
| Extensions             | <p>1-If it is the first-time user, he must sign up first.</p> <p>2.1-invalid information.</p> <p>2.1.1-the system will display an error message.</p> <p>2.1.2- the system asks the user to enter his information again.</p>  |

## Edit Profile

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| Identifier and name:   | US 2 Edit Profile   |
| Initiator              | User  |
| Goal :                 | Users may need to modify their profile details such as personal information, contact details, or preferences to ensure accurate and up-to-date information is maintained.   |
| Precondition:          | 1-The user is logged into their account within the system.<br><br>2-The user has access to the profile editing functionality.   |
| Postcondition:         | 1-The user's profile information is successfully updated in the Canvas-like system, and the changes are reflected in the user interface.<br><br>2-The updated profile information is stored securely in the system's database.  |
| Main success scenario: | 1-The user navigates to the profile settings or edit profile section within the system.<br><br>2-The system displays the user's current profile information in editable fields<br><br>3-The user modifies the desired profile information, updating it with the new values<br><br>4-The system displays the user's updated profile information, reflecting the changes made by the user |
| Extensions             | 1-If the user encounters errors during the editing process (e.g., validation errors, system errors), the system provides appropriate error messages and prompts the user to correct the issues.<br><br>2-If the user cancels the editing process without saving changes, the system returns the user to their profile page without applying any modifications.                          |

## Communicate

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| Identifier and name:   | US 3 Communicate  |
| Initiator              | User  |
| Goal :                 | Enabling users to exchange messages, collaborate on group activities. This feature aims to enhance the learning process by providing users with a platform to interact, share ideas, and seek assistance when needed. |
| Precondition:          | The user is logged into the system.   |
| Postcondition:         | 1-The user successfully communicates with other users within the system.<br>2-Communication history is recorded and accessible for future reference.  |
| Main success scenario: | 1- User logged into the system.<br>2-The user messaged another user to inquire about something.<br>3-The system sends a notification for a new message to the receiving user.   |

## Search

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| Identifier and name:   | US 4 Search  |
| Initiator              | User   |
| Goal :                 | Searching allows users to quickly locate relevant information, courses, assignments, discussions, or other resources based on keywords or specific criteria.   |
| Precondition:          | No condition to carry out this use case because search is public services that do not need prior steps.  |
| Postcondition:         | The search results and selected content are displayed accurately and reflect the user's search query.  |
| Main success scenario: | 1-The user enters one or more keywords or search terms into the search bar<br><br>2-The system displays a list of search results matching the user's query<br><br>3-The user selects a specific search result from the list to view more details or access the content |

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| Extensions: | If no result appears, return to step 1 again. |
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## View Event Calendar

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| Identifier and name:   | US 5 View Event Calendar   |
| Initiator              | User   |
| Goal :                 | The event calendar provides users with a visual representation of scheduled events, such as lectures, assignments, exams, and other important dates related to courses or activities within the system   |
| Precondition:          | The user is logged into the system.  |
| Postcondition:         | <p>1-The user has successfully viewed the event calendar and obtained relevant information about scheduled events within the system.</p> <p>2-The event calendar interface accurately reflects scheduled events and updates dynamically based on user interactions and system updates.</p>   |
| Main success scenario: | <p>1- The user navigates to the event calendar section</p> <p>2- The user selects the desired calendar view, such as daily, weekly, or monthly, to adjust the display based on their preference.</p> <p>3- The system updates the calendar view accordingly, showing events for the selected time frame.</p> <p>4-The system displays scheduled events, including lectures, assignments, exams, discussions, or other important dates.</p> |

## Enroll Course

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| Identifier and name:   | US 6 Enroll Course  |
| Initiator              | Student   |
| Goal :                 | Enroll by entering some information such as (name,email,mobile number)  |
| Precondition:          | The student must be logged in the system  |
| Postcondition:         | The courses to the student's (my courses) section   |
| Main success scenario: | 1-Student wants to enroll in a course.<br><br>2-Student will enter some information such as (name,email,mobile number).<br><br>3-Enrollment is successfully done. |
| Extensions:            | If the enrollment wasn't completed, the student can check if he entered his information correctly   |

## Download Course Materials

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| Identifier and name: | US 7 Download Course Materials  |
| Initiator            | Student   |
| Goal :               | Student wants to download course materials for offline access or reference  |
| Precondition:        | 1-The student is logged into the system.<br><br>2-The student is enrolled in a course that offers downloadable materials.<br><br>2-The instructor has uploaded materials to the course. |
| Postcondition:       | 1-The student successfully downloads course materials from the system for offline access or reference.  |

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|                        | 2-The downloaded materials are saved to the student's device in the specified location.   |
| Main success scenario: | <p>1-Student navigates to the course materials section.</p> <p>2-Student selects the materials needed and downloads them.</p> <p>3-Materials are saved on the student's device.</p>   |
| Extensions:            | If the student attempts to download materials for which they do not have permission (e.g., restricted access materials), the system displays an error message indicating access denied and prompts the user to contact the instructor or course admin for assistance. |

## Download Assignments

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| Identifier and name:   | US 8 Download Assignments  |
| Initiator              | Student  |
| Goal :                 | Student wants to download assignments for offline access or completion   |
| Precondition:          | <p>1-The student is logged into the system.</p> <p>2-The student is enrolled in a course that offers downloadable assignments.</p> <p>2-The instructor has uploaded assignments to the course.</p>         |
| Postcondition:         | <p>1-The student successfully downloads assignments from the system for offline access or completion.</p> <p>2-The downloaded assignments are saved to the student's device in the specified location.</p> |
| Main success scenario: | <p>1-Student navigates to the assignments section.</p> <p>2-Student selects the assignments needed and downloads them.</p> <p>3-Assignments are saved on the student's device.</p>                         |

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| Extensions: | If the student attempts to download assignments for which they do not have permission (e.g., restricted access assignments), the system displays an error message indicating access denied and prompts the user to contact the instructor or course admin for assistance. |
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## Submit Assignments

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| Identifier and name:   | US 9 Submit Assignments  |
| Initiator              | Student  |
| Goal :                 | Student wants to submit completed assignments to their instructor  |
| Precondition:          | <p>1-The student is logged into the system.</p> <p>2-The student is enrolled in a course that has assignments available for submission.</p> <p>3-The student has completed the assignment and has the necessary files ready for submission.</p>                          |
| Postcondition:         | <p>1-The student successfully submits the assignment within the system for evaluation and grading by the instructor.</p> <p>2-The submitted assignment file(s) are stored securely in the system and associated with the corresponding assignment record.</p>            |
| Main success scenario: | <p>1-Student navigates to the assignments section.</p> <p>2-Student selects the assignment title they want to submit.</p> <p>3-Student uploads his selected assignment.</p> <p>4-The system sends a message to inform the student that his assignment was submitted.</p> |
| Extensions:            | If the student attempts to submit assignments after the deadline or if submissions are restricted, the system displays an error message indicating submission is not allowed and prompts the student to contact the instructor or course admin for assistance.           |

## View Grades

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| Identifier and name:   | US 10 View Grades   |
| Initiator              | Student   |
| Goal :                 | The student wants to check their grades to monitor their academic performance.  |
| Precondition:          | 1-The student is logged into the system.<br>2-The student is enrolled in the course that he wants to view his grades in.<br>3-The instructor has published the grades associated with this course.      |
| Postcondition:         | 1-The student successfully views their grades for enrolled courses within the system.<br>2-The student has access to detailed information about individual assignment grades.                           |
| Main success scenario: | 1-Student navigates to the grades section.<br>2-The system presents the student's grades for all enrolled courses<br>3-The student can see grades for individual assignments and overall course grades. |
| Extensions:            | If the instructor has not yet entered grades for assignments or assessments, the system may display a notification indicating that grades are not yet available.  |



## Download Certificate

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| Identifier and name:   | US 11 Download Certificate   |
| Initiator              | Student  |
| Goal :                 | This use case outlines the process by which a student downloads a certificate of completion or achievement within the system. Certificates are awarded upon successful completion of courses or assessments, providing students with tangible proof of their accomplishments.  |
| Precondition:          | 1-The student is logged into their account within the Canvas-like system.<br><br>2-The student has completed a course or assessment for which a certificate is available.<br><br>3-The certificate has been generated and made available within the system.  |
| Postcondition:         | 1-The student has successfully downloaded the certificate file to their device, providing tangible proof of their completion or achievement within the system.<br><br>2-The certificate file remains accessible to the student for future reference or sharing purposes.   |
| Main success scenario: | 1-Student navigates to the section where certificates are available for download.<br><br>2-The student selects the specific certificate they wish to download from the list of available options.<br><br>3-The system prepares the certificate for download and generates the necessary file format (e.g., PDF) for the student to save locally<br><br>4-The student successfully downloads the certificate of completion or achievement from the system and now has access to the certificate file for viewing and sharing as needed. |
| Extensions:            | If the student attempts to download a certificate for which they are not eligible (e.g., incomplete course, expired certification), the system prevents the download and notifies the student of the eligibility requirements.   |

## Rate Faculty Members

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| Identifier and name:   | US 12 Rate Faculty Members   |
| Initiator              | Student  |
| Goal :                 | Student wants to provide feedback and ratings for a faculty member based on their teaching performance   |
| Precondition:          | 1-The student is logged into the system.<br><br>2-The student is enrolled in a course taught by the faculty member they wish to rate.  |
| Postcondition:         | 1-The student successfully provides ratings and feedback for the faculty member within the system.<br><br>2-The ratings and feedback provided by the student are stored securely in the system and associated with the corresponding faculty member. |
| Main success scenario: | 1-Student chooses the faculty member he wants to rate.<br><br>2-Student provides rating and feedback.<br><br>3-The system sends a message informing the student that the rating was submitted.   |

## Manage Course Materials

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| Identifier and name: | US 13 Manage Course Materials   |
| Initiator            | Faculty Member  |
| Goal :               | The Faculty member efficiently organizes, uploads, and distributes educational resources for the courses.   |
| Precondition:        | 1-Faculty member is logged into the system<br>2-The course that is being managed must exist within the system   |
| Postcondition:       | 1-Course materials are successfully uploaded, organized, and made accessible to students enrolled in the course.<br><br>2-Students can access the materials according to the permissions set by the instructor. |

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| Main success scenario | <p>1-The faculty member accesses the course materials management section.</p> <p>2-The faculty member uploads various types of course materials, such as lecture slides, documents, videos, or links.</p> <p>3-The faculty member organizes uploaded materials into folders or categories for easier navigation.</p> <p>4-The faculty member reviews the uploaded materials, ensuring accuracy and relevance, before publishing them for student access.</p> |
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### View Evaluation Results

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| Identifier and name:  | US 14 View Evaluation Results  |
| Initiator             | Faculty Member   |
| Goal :                | Faculty Members can access evaluation data related to their teaching performance and review feedback provided by admins and students.  |
| Precondition:         | <p>1-The Faculty Member is logged into the system.</p> <p>2-Evaluation results for the Faculty Member's teaching performance are available in the system.</p>  |
| Postcondition:        | The Faculty Member successfully reviews evaluation results within the system, gaining insights into their teaching performance and receiving feedback from admins and students.  |
| Main success scenario | <p>1-The faculty member accesses the evaluation results section.</p> <p>2-The faculty member selects the assessment or evaluation activity for which they want to view results.</p> <p>3-The system retrieves and displays evaluation results for the selected assessment, including individual student and admin ratings.</p> |

## Manage Assignments

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| Identifier and name:  | US 15 Manage Assignments  |
| Initiator             | Faculty Member  |
| Goal :                | Enabling Faculty members to create, organize, and oversee assignments.  |
| Precondition:         | The course for which assignments are being managed must exist within the system.  |
| Postcondition:        | 1-Assignments are successfully created, managed, and assessed.<br>2-Students can download the assignments.  |
| Main success scenario | 1-The faculty member accesses the assignment management section.<br>2-The faculty member initiates the creation of a new assignment within the course.<br>3-The faculty member specifies essential details for the assignment, including title, description, instructions, due date, and any associated resources or materials. |

## Rate Co-teachers

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| Identifier and name: | US 16 Rate Co-teachers   |
| Initiator            | Faculty Member   |
| Goal :               | Faculty members have the ability to provide feedback and ratings to their co-teachers based on their collaboration and performance in shared courses or teaching activities.   |
| Precondition:        | 1-The faculty member is logged into their account within the system.<br>2-The faculty member is assigned as a co-teacher or collaborator with another faculty member in one or more courses.<br>3-The co-teacher has actively participated in teaching activities within the shared courses. |

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| Postcondition:        | <p>1-The faculty member's rating and feedback are recorded in the system and associated with the respective co-teacher and shared course.</p> <p>2-The co-teacher receives notification of the rating and may access the feedback provided by the faculty member.</p>   |
| Main success scenario | <p>1-The faculty member navigates to the section of the system where rating functionality is available.</p> <p>2-The faculty member selects the specific co-teacher they wish to rate from a list of co-teachers associated with shared courses.</p> <p>3-The faculty member provides a numerical rating or score for their co-teacher based on predefined criteria or attributes</p> <p>4-The system records the rating and associated feedback, attributing it to the specific co-teacher and shared course or teaching activity.</p> |

### Publish Grades

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| Identifier and name:   | US 17 Publish Grades   |
| Initiator              | Faculty Member   |
| Goal :                 | The faculty member should be able to publish grades for students.  |
| Precondition:          | Assessment activities must have been completed and evaluation data recorded within the system.   |
| Postcondition:         | Students have access to their grades and can review their performance on the assessment.   |
| Main success scenario: | <p>1-The faculty member selects the assessment or evaluation activity for which they want to publish grades.</p> <p>2-The faculty member reviews the evaluation results and grades for each student, ensuring accuracy and consistency.</p> <p>3-The faculty member initiates the process of publishing grades, making them available to students for viewing in the system.</p> |

### Manage users

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| Identifier and name: | US 18 Manage Users   |
| Initiator            | Admin  |
| Goal :               | This use case describes the process by which an administrator manages users within the system. Administrators have the authority to create, modify, and deactivate user accounts, as well as assign roles and permissions to users based on their responsibilities and access needs within the system. |
| Precondition:        | 1-The admin is logged into the system.<br><br>2-User data and account information are stored and accessible within the system's database.  |
| Postcondition:       | 1-User account information within the Canvas-like system is updated and maintained according to the actions performed by the administrator.<br><br>2-Changes made to user accounts, including account creation, modification, and deactivation, are reflected in the system's user database.           |

### Manage Courses

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| Identifier and name: | US 19 Manage Courses  |
| Initiator            | Admin   |
| Goal :               | Administrators have primary roles in creating, modifying, and deleting courses within the system  |
| Precondition:        | The admin is logged into the system   |
| Postcondition:       | The actor successfully manages course offerings within the system, including creating, modifying, and deleting courses as needed.   |
| Extensions           | 1-If the actor encounters errors during course management tasks, such as invalid inputs or system errors, appropriate error messages are displayed, and the actor can retry the action.<br><br>2-If the actor attempts to perform course management tasks without |

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|  | appropriate permissions, the system displays an access denied message. |
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### Evaluate Faculty Performance

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| Identifier and name:   | US 20 Evaluate Faculty Performance  |
| Initiator              | Admin   |
| Goal :                 | The admin can evaluate the faculty performance to further improve the learning process  |
| Precondition:          | 1-The admin is logged into the system<br>2-Students have answered the evaluation questions that evaluate faculty members<br>3-The admin has gathered students' feedback   |
| Postcondition:         | 1-Faculty members receive feedback on their performance.<br><br>2-Administrators maintain accurate records of faculty evaluations for documentation and decision-making purposes.   |
| Main success scenario: | 1-The admin logged into the system<br><br>2-The user chooses the faculty member from the search<br><br>3-The admin evaluates the specific faculty member and makes a comment  |
| Extensions             | 1-If the Administrator encounters errors during the evaluation process, such as incomplete data or ambiguous feedback, appropriate error handling mechanisms are employed to ensure accurate assessment and feedback delivery.<br><br>2-If faculty members request clarification or additional support regarding their evaluations, the Admin provides further assistance and guidance. |

### Manage Event Calendar

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| Identifier and name: | US 21 Manage Event Calendar  |
| Initiator            | Admin  |
| Goal :               | The admin facilitates the scheduling, organization, and administration of events within a calendar system. |

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| Precondition:         | The admin is logged into the system   |
| Postcondition:        | The event is successfully scheduled and managed within the calendar system  |
| Main success scenario | <p>1-The admin initiates the creation of a new event within the calendar system.</p> <p>2-The admin specifies essential details for the event, including title, date, time, duration, description, and any additional instructions or information.</p> <p>3-The user determines the visibility settings for the event, specifying whether it is public, private, or restricted to specific groups or individuals.</p> |

### Generate Reports

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| Identifier and name:   | US 22 Generate Reports  |
| Initiator              | Admin   |
| Goal :                 | Provides the Administrator with the capability to produce various types of reports within the system, facilitating data-driven decision-making, performance analysis, and institutional planning. This process enables the Admin to extract valuable insights from system data and share relevant information with stakeholders for strategic purposes. |
| Precondition:          | The admin is logged into the system   |
| Postcondition:         | <p>1-The Admin successfully generates the desired reports within the system.</p> <p>2-The generated reports provide valuable insights and information for decision-making and institutional planning purposes.</p>  |
| Main success scenario: | <p>1-The report is generated and saved to a specified location.</p> <p>2-The report is generated and displayed on the screen.</p> <p>3-The report is generated and mailed to the specified destination.</p>   |