**1: User Register:**

| Use case ID | Case 1 | |
| --- | --- | --- |
| Use Case Name | User Registration | |
| Actors | Student, teacher, Admin | |
| Pre-condition | None | |
| Post-condition | User is registered and can log in. | |
| Flow of events | User Action | System Action |
| 1. Users enter their username, email, and password. |  |
|  | 1. system check the validation of the entered email, ensuring it is in the correct format and not already registered. |
| Exception scenario | Invalid email format or email already registered. | |

**2: User Login**

| Use case ID | Case 2 | |
| --- | --- | --- |
| Use Case Name | User Login | |
| Actors | Student, teacher, Admin | |
| Pre-condition | User is registered. | |
| Post-condition | User is logged into the platform. | |
| Flow of events | User Action | System Action |
| 1. Users enter their registered email and password. |  |
|  | 1. System validate the entered credentials. |
| Exception scenario | Invalid login credentials. | |

**3: User Reset Password:**

| Use case ID | Case 3 | |
| --- | --- | --- |
| Use Case Name | Password Reset | |
| Actors | Student, teacher, Admin | |
| Pre-condition | User has a registered account. | |
| Post-condition | User can log in with a new password. | |
| Flow of Events | User Actions | System Actions |
| 1. User enter their email and click on the "Forgot Password" link. |  |
|  | 1. System send a password reset link to the user's email. |
| 1. User receive the email and click on the reset link. |  |
|  | 1. User is redirected to a page where they can create a new password. |
| 1. User enter a new password and confirms it. |  |
|  | 1. The system update the user's password. |
| Exception scenario | Invalid or unregistered email address. | |

**4: Student Enroll in Course: deprecated now**

| Use case ID | Case 4 | |
| --- | --- | --- |
| Use Case Name | Course Enrollment | |
| Actors | Student | |
| Pre-condition | Student is logged into their account. | |
| Post-condition | Student is enrolled in the course and can access course content. | |
| Flow of Events | User Actions | System Actions |
| 1. Student navigate to the course catalog or search feature. |  |
|  | 1. System add the course to the student's enrolled courses. |
| 1. Student can now access the course content. |  |
| Exception scenario | Course is at maximum enrollment capacity. | |

**5: Teacher Add Assignment:**

| Use case ID | Case 5 | |
| --- | --- | --- |
| Use Case Name | Assignment Creation | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and accesses the course. | |
| Post-condition | Assignment is created and students are notified. | |
| Flow of Events | User Actions | System Actions |
| 1. Teacher provide assignment details, including title, description, and due date. |  |
|  | 1. The system notify enrolled students about the new assignment. |
| 1. Teacher create the assignment. |  |
| Exception scenario | None | |

**6: Student Submit Assignment:**

| Use case ID | Case 6 | |
| --- | --- | --- |
| Use Case Name | Assignment Submission | |
| Actors | Student | |
| Pre-condition | Student is logged into their account and access the course with an assignment. | |
| Post-condition | Assignment submission is recorded. | |
| Flow of Events | User Actions | System Actions |
| 1. Student navigate to the assignment submission section. |  |
| 1. Student upload their assignment file or enter text |  |
| 1. Student submit the assignment. |  |
|  | 1. The system record the submission and notify the teacher. |
| Exception scenario | The file size is too big | |

**7: Student Check Progress:**

| Use case ID | Case 7 | |
| --- | --- | --- |
| Use Case Name | Progress Tracking | |
| Actors | Student | |
| Pre-condition | Student is logged into their account and access the course. | |
| Post-condition | Student view their course progress. | |
| Flow of Events | User Actions | System Actions |
| 1. Student view the course progress dashboard. |  |
|  | 1. The system display completed and pending lectures and tasks. |
| 1. Student can track their progress and navigate to different course sections. |  |
| Exception scenario | None | |

**8: Student Label and Categorization/Platform Organization:**

| Use case ID | Case 8 | |
| --- | --- | --- |
| Use Case Name | Content Organization | |
| Actors | Student | |
| Pre-condition | Student is logged into their account and have at least one enrolled course. | |
| Post-condition | Content is organized with clear labels and categories. | |
| Flow of Events | User Actions | System Actions |
|  | 1. The system provides labeling, categorization, and tagging features. |
| 1. User interacts with the content organization features to classify resources. |  |
| Exception scenario | None | |

**9: Admin Creates Enrollment Option:**

| Use case ID | Case 9 | |
| --- | --- | --- |
| Use Case Name | Enrollment Creation (Access Code, Invitation Link) | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their account and accesses the course management section. | |
| Post-condition | Enrollment Option is generated and can be shared with potential students. | |
| Flow of Events | User Actions | System Actions |
| 1. The Admin choose an enrollment options for the course. |  |
|  | 1. System generates enrollment Option |
| 1. Admin share the enrollment option with potential students through email, messages, or the platform. |  |
| Exception scenario | None | |

**10: Student Self-Enroll with Codes**

| Use case ID | Case 10 | |
| --- | --- | --- |
| Use Case Name | Self-Enrollment | |
| Actors | Student | |
| Pre-condition | Student is logged into their account. | |
| Post-condition | Student is successfully enrolled in the course. | |
| Flow of Events | User Actions | System Actions |
| 1. Student enter the enrollment code or Invitation link provided by the teacher. |  |
|  | 1. System verify the code's validity and enrolls the student to the course. |
| Exception scenario | Invalid or expired enrollment code. | |

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**11: Teacher Create Courses:**

| Use case ID | Case 11 | |
| --- | --- | --- |
| Use Case Name | Course Creation | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account. | |
| Post-condition | The course is created and made available to enrolled students. | |
| Flow of Events | User Actions | System Actions |
| 1. Teacher access the course creation section. |  |
| 1. Teacher provide course details, including title, description, and course materials. |  |
| 1. Teacher customize the course structure and settings. |  |
|  | 1. System create the course. |
| Exception scenario | None | |

**12: Teacher Adds/Reuses Material**:

| Use case ID | Case 12 | |
| --- | --- | --- |
| Use Case Name | Material Management | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and accesses the course materials section. | |
| Post-condition | Course materials are added or reused for the course. | |
| Flow of Events | User Actions | System Actions |
| 1. Teacher upload course materials (readings, videos, assignments) or reuses previously uploaded materials. |  |
| Exception scenario | None | |

**13: Teacher Add Quiz:**

| Use case ID | Case 13 | |
| --- | --- | --- |
| Use Case Name | Quiz Creation | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and accesses the course where they want to create a quiz. | |
| Post-condition | The quiz is published for students in the course. | |
| Flow of Events | User Actions | System Actions |
|
| 1. Teacher create a new quiz |  |
|
|  | 1. The system notifies enrolled students about the new quiz. |
|
| Exception Scenarios | None | |

**14: Student Submit Quiz:**

| Use case ID | Case 14 | |
| --- | --- | --- |
| Use Case Name | Quiz Submission | |
| Actors | Student | |
| Pre-condition | Student is logged into their account and accesses the course with a quiz assignment. | |
| Post-condition | Quiz submission is recorded and awaits grading. | |
| Flow of Events | User Actions | System Actions |
| 1. Student take the quiz, answering questions. |  |
| 1. Student submit the quiz. |  |
|  | 1. The system record the submission and grades it. |
| Exception scenario | None | |

**15: Teacher Integrate YouTube Video**

| Use case ID | Case 15 | |
| --- | --- | --- |
| Use Case Name | YouTube Video Integration | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and accesses the course where they want to include a YouTube video. | |
| Post-condition | The YouTube video is added to the course content. | |
| Flow of Events | User Actions | System Actions |
| 1. Teacher paste the YouTube video link (URL) into the provided field. |  |
|  | 1. System validate the URL and fetches the video details. |
|  | 1. System add the YouTube video in the course content. |
| Exception scenario | Invalid or inaccessible YouTube video URL. | |

**16: User Access Settings**

| Use case ID | Case 16 | |
| --- | --- | --- |
| Use Case Name | Accessing User Settings | |
| Actors | Student, Teacher, Admin | |
| Pre-condition | User is logged into their account. | |
| Post-condition | User's settings are updated as per their preferences. | |
| Flow of Events | User Actions | System Actions |
| 1. User access account settings. |  |
| 1. Users customize aspects including profile information, privacy settings, notification preferences, language preferences, theme selection, accessibility settings, security settings, email preferences, and data management. |  |
| 1. Users save their settings. |  |
|  | 1. System applies changes |
| Exception scenario | None | |

**17: Feedback Mechanisms**

| Use case ID | Case 17 | |
| --- | --- | --- |
| Use Case Name | Providing Feedback | |
| Actors | Student | |
| Pre-condition | User is logged into their account. | |
| Post-condition | User feedback is collected for improvement. | |
| Flow of Events | User Actions | System Actions |
| 1. Users provide feedback through surveys, ratings, and open forums. |  |
|  | 1. System record the provided feedback |
| Exception scenario | None | |

**18: Assessment Tools/Teacher Dashboard**

| Use case ID | Case 18 | |
| --- | --- | --- |
| Use Case Name | Assessment and Dashboard | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and has access to the course management section. | |
| Post-condition | Teachers can design, administer assessments and manage courses efficiently. | |
| Flow of Events | User Actions | System Actions |
|  | 1. System provide assessment tools, automated grading, feedback mechanisms, course modifications, and course analytics to teachers. |
| 1. Teacher design and administers quizzes, assignments, and assessments. |  |
| Exception scenario | None | |

**19: Student Download Materials**

| Use case ID | Case 19 | |
| --- | --- | --- |
| Use Case Name | Downloading Course Materials | |
| Actors | Student | |
| Pre-condition | Student is logged into their account and accesses the course materials section. | |
| Post-condition | The selected course material is downloaded to the student's device. | |
| Flow of Events | User Actions | System Actions |
| 1. Student navigate to the "Course Materials" or "Resources" section of the course. |  |
| 1. Student locate the specific material they want to download and open it. |  |
| 1. Within the material view, the student finds and clicks on the "Download" button/icon. |  |
| 1. Student select the download location and confirms the download. |  |
|  | The system generate the download file. |
| Exception scenario | None | |

**20: Admin Add User**

| Use case ID | Case 20 | |
| --- | --- | --- |
| Use Case Name | User Creation | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | User account is created | |
| Flow of Events | User Actions | System Actions |
| 1. Admin create a new user account |  |
| Exception scenario | None | |

**21: Admin Update User**

| use case ID | Case 21 | |
| --- | --- | --- |
| Use Case Name | User Management | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | User accounts are updated according to Admin's actions. | |
| Flow of Events | User Actions | System Actions |
| 1. Admin view a list of all users registered on the platform. |  |
| 1. Admin access individual user profiles to view and Delete their information if necessary. |  |
| Exception scenario | None | |

**22: Admin Delete User**

| Use case ID | Case 22 | |
| --- | --- | --- |
| Use Case Name | User Management | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | User accounts are deleted according to Admin's actions. | |
| Flow of Events | User Actions | System Actions |
| 1. Admin view a list of all users registered on the platform. |  |
| 1. Admin access individual user profiles to view and Delete their information if necessary. |  |
| Exception scenario | None | |

**23: Admin Add Courses**

| Use case ID | Case 23 | |
| --- | --- | --- |
| Use Case Name | Course Creation | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | Course is Created | |
| Flow of Events | User Actions | System Actions |
| Admin view a list of all courses offered on the platform. |  |
| Admin modify or deletes courses. |  |
| Admin assign or changes instructors for courses. |  |
| Admin set course enrollment limits. |  |
| Admin archive or temporarily hides courses. |  |
| Admin review and approves/disapproves course content created by teachers. |  |
| Exception scenario | None | |

**24: Admin Update Courses**

| Use case ID | Case 24 | |
| --- | --- | --- |
| Use Case Name | Course Update | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | Course-related actions are executed according to the Admin's decisions. | |
| Flow of Events | User Actions | System Actions |
| Admin view a list of all courses offered on the platform. |  |
| Admin modify courses. |  |
| Exception scenario | None | |

**25: Admin Delete Courses**

| Use case ID | Case 25 | |
| --- | --- | --- |
| Use Case Name | Course Delete | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | Course-related actions are executed according to the Admin's decisions. | |
| Flow of Events | User Actions | System Actions |
| Admin view a list of all courses offered on the platform. |  |
| Admin deletes courses. |  |
| Exception scenario | None | |

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**26: Admin Manage Roles and Permissions**

| Use case ID | Case 26 | |
| --- | --- | --- |
| Use Case Name | Role and Permission Management | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | User roles and permissions are managed as per the Admin's actions. | |
| Flow of Events | User Actions | System Actions |
| 1. Admin define and manages user roles and permissions. |  |
| 1. Admin create custom user roles with specific permissions. |  |
| 1. Admin assign roles to users or groups of users. |  |
| 1. Admin revoke or modifies permissions for specific users or roles. |  |
| 1. Admin track changes to roles and permissions. |  |
| Exception scenario | None | |

**27: Admin Collect Reports and Analytics**

| Use case ID | Case 27 | |
| --- | --- | --- |
| Use Case Name | Reports and Analytics Gathering | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | Admins can make informed decisions based on the insights from reports and analytics. | |
| Flow of Events | User Actions | System Actions |
| 1. Admin collect comprehensive reports and analytics data on user activity, course engagement, and platform usage. |  |
| 1. Admin use analytics to identify trends, areas for improvement, and potential issues. |  |
| Exception scenario | None | |

**28: Admin Monitor System Configuration**

| Use case ID | Case 28 | |
| --- | --- | --- |
| Use Case Name | System Configuration Monitor | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | Platform settings and configurations are adjusted based on Admin's actions. | |
| Flow of Events | User Actions | System Actions |
| 1. Admin configure system settings and parameters according to specific needs. |  |
| 1. Admin set the default language and accessibility settings for the platform. |  |
| 1. Admin configure email templates and communication settings. |  |
| 1. Admin integrate external tools or services for enhanced functionality. |  |
| 1. Admin maintain and update the system |  |
| Exception scenario | None | |

**29: Admin Review Ticket**

| Use case ID | Case 29 | |
| --- | --- | --- |
| Use Case Name | Review Ticket | |
| Actors | Admin | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | User ticket has been reviewed | |
| Flow of Events | User Actions | System Actions |
| 1. Admin access a ticketing system. |  |
| 1. Admin review the ticket and take an action. |  |
| Exception scenario | None | |

**30: User Open Ticket**

| Use case ID | Case 30 | |
| --- | --- | --- |
| Use Case Name | User Ticket | |
| Actors | Student, Teacher | |
| Pre-condition | Admin is logged into their Admin account. | |
| Post-condition | Admin receive the ticket and review it. | |
| Flow of Events | User Actions | System Actions |
| 1. User Create a new ticket and add it’s details. |  |
|  | 1. System will send the created ticket to the Admin to review it |
| Exception scenario | None | |

**31: Teacher Update Material**:

| Use case ID | Case 31 | |
| --- | --- | --- |
| Use Case Name | Material Update | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and accesses the course materials section. | |
| Post-condition | Course materials are Updated for the course. | |
| Flow of Events | User Actions | System Actions |
| 1. Teacher Update course materials (readings, videos, assignments). |  |
| Exception scenario | None | |

**32: Teacher Delete Material**:

| Use case ID | Case 32 | |
| --- | --- | --- |
| Use Case Name | Material Deletion | |
| Actors | Teacher | |
| Pre-condition | Teacher is logged into their account and accesses the course materials section. | |
| Post-condition | Course materials are Deleted for the course. | |
| Flow of Events | User Actions | System Actions |
| 1. Teacher Delete course materials (readings, videos, assignments). |  |
| Exception scenario | None | |