**Description of Use-Case**

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| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-1 | |
| Use Case Name | Login | |
| Actor | All Users | |
| Summary | Login to the system using secure credentials. | |
| Precondition | System must be available. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: User enters username and password.  Step 2: User submits the login form. | Step 3: System verifies credentials.  Step 4: System logs in the user. |
| Alternative Scenario | Login fails if credentials are incorrect. | |
| Post Condition | User is logged into the system. | |

**Table 3.1.1:** Use case description for Login

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| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-2 | |
| Use Case Name | Logout | |
| Actor | All Users | |
| Summary | Logout from the system securely. | |
| Precondition | User must be logged in. | |
| Basic Scenario | **Actor Action:** | **System response** |
| Step 1: User clicks the 'Logout' button/link. | Step 2: System ends the user's session.  Step 3: System redirects the user to the login screen. |
| Alternative Scenario | Session ends unexpectedly. | |
| Post Condition | User is logged out of the system. | |

**Table 3.1.1:** Use case description for Logout

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| **Attribute** | **Value** | |
| Use Case ID | UC-3 | |
| Use Case Name | Update Password | |
| Actor | All Users | |
| Summary | Update password on first login. | |
| Precondition | User must be logged in for the first time. | |
| Basic Scenario | **Actor Action:** | **System response** |
| Step 1: System prompts the user to update their password.  Step 2: User enters the new password (and confirms it). Step 3: User submits the form. | Step 4: System validates and saves the new password. |
| Alternative Scenario | System rejects weak password. | |
| Post Condition | Password is updated. | |

**Table 3.1.1:** Use case description for Update Password

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| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-5 | |
| Use Case Name | Assign instructors | |
| Actor | Admin | |
| Summary | Assign instructor to the course. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Assign Instructor'.  Step3: Admin selects course and assigns instructor. | Step2: System displays list of courses and instructors. Step4: System saves assignment. |
| Alternative Scenario | System shows errors if selection is invalid or save fails. | |
| Post Condition | Assignment is recorded in system. | |

**Table 3.1.1:** Use case description for assign instructors

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-6 | |
| Use Case Name | Manage instructors | |
| Actor | Admin | |
| Summary | View, update, delete assignment of instructors to courses. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Manage Instructors'.  Step3: Admin edits or deletes assignments. | Step2: System displays current assignments. Step4: System updates records. |
| Alternative Scenario | System shows errors if conditions are not met or validation fails. | |
| Post Condition | Changes are saved in the system. | |

**Table 3.1.1:** Use case description for Manage Instructors

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| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-7 | |
| Use Case Name | Assign students | |
| Actor | Admin | |
| Summary | Assign students to courses. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Assign Students'.  Step3: Admin selects course and assigns students. | Step2: System displays list of courses and students.  Step4: System saves assignment. |
| Alternative Scenario | System shows errors if selection is invalid or save fails. | |
| Post Condition | Assignment is recorded in system. | |

**Table 3.1.1:** Use case description for Assign Students

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-8 | |
| Use Case Name | Manage students | |
| Actor | Admin | |
| Summary | View, update, delete assignment of students to courses. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Manage Students'.  Step3: Admin edits or deletes assignments. | Step2: System displays current assignments.  Step4: System updates records. |
| Alternative Scenario | System shows errors if conditions are not met or validation fails. | |
| Post Condition | Changes are saved in the system. | |

**Table 3.1.1:** Use case description for Manage Students

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-9 | |
| Use Case Name | Manage Courses | |
| Actor | Admin | |
| Summary | View, update, and delete course listings. | |
| Precondition | 1. Admin must be logged in. | |
|  | **Actor Action** | **System response** |
| Step1: Admin selects 'Manage Courses'.  Step3: Admin edits or deletes courses. | Step2: System displays course list.  Step4: System updates records. |
| Alternative Scenario | System shows errors if conditions are not met or validation fails. | |
| Post Condition | Changes are saved in the system. | |

**Table 3.1.1:** Use case description for Manage Courses

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| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-11 | |
| Use Case Name | Schedule Exam | |
| Actor | Admin | |
| Summary | Set schedule for exams. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Schedule Exam'.  Step3: Admin sets date and time. | Step2: System displays scheduling interface.  Step4: System saves schedule. |
| Alternative Scenario | System shows errors if data is invalid. | |
| Post Condition | Schedule is saved in the system. | |

**Table 3.1.1:** Use case description for Schedule Exam

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-12 | |
| Use Case Name | Manage Schedule | |
| Actor | Admin | |
| Summary | Update exam schedule. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Manage Schedule'.  Step3: Admin updates schedule. | Step2: System shows existing schedules.  Step4: System saves changes. |
| Alternative Scenario | System shows errors if data is invalid. | |
| Post Condition | Schedule changes are saved in the system. | |

**Table 3.1.1:** Use case description for Manage Schedule

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-13 | |
| Use Case Name | View all feedbacks | |
| Actor | Admin | |
| Summary | View feedback from all exams. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'View Feedback'. | Step2: System displays feedback for all exams. |
| Alternative Scenario | System shows errors if unable to retrieve data. | |
| Post Condition | Feedback displayed to Admin. | |

**Table 3.1.1:** Use case description for View All Feedbacks

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-14 | |
| Use Case Name | Generate Exam Report | |
| Actor | Admin | |
| Summary | Generate reports for all exams. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin selects 'Generate Exam Report'. | Step2: System compiles report.  Step3: Report isdisplayed/downloaded. |
| Alternative Scenario | System shows error if report generation fails. | |
| Post Condition | Report is available to Admin. | |

**Table 3.1.1:** Use case description for Generate Exam Report

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-15 | |
| Use Case Name | View admin dashboard | |
| Actor | Admin | |
| Summary | Access admin dashboard. | |
| Precondition | 1. Admin must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step1: Admin logs in. | Step2: System displays the admin dashboard. |
| Alternative Scenario | System shows error if dashboard fails to load. | |
| Post Condition | Admin accesses system overview. | |

**Table 3.1.1:** Use case description for View Admin Dashboard

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-16 | |
| Use Case Name | Create exam | |
| Actor | Instructor | |
| Summary | Create exams on the assigned course. | |
| Precondition | Instructor must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Instructor selects the course for which to create an exam.  Step 2: Instructor enters exam details (name, duration, questions, etc.).  Step 3: Instructor saves the exam. | Step 4: System confirms the exam is saved. |
| Alternative Scenario | System fails to save exam. | |
| Post Condition | Exam is created. | |

**Table 3.1.1:** Use case description for Create Exam

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-17 | |
| Use Case Name | Manage exam | |
| Actor | Instructor | |
| Summary | Update and delete exam. | |
| Precondition | Instructor must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Instructor selects the exam to manage.  Step 2: Instructor chooses to either update or delete the exam.  Step 3: If updating, Instructor makes changes and saves. If deleting, Instructor confirms deletion. | Step 4: System confirms changes are saved or exam is deleted. |
| Alternative Scenario | Invalid input or system error. | |
| Post Condition | Exam is updated or removed. | |

**Table 3.1.1:** Use case description for Manage Exam

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-18 | |
| Use Case Name | View feedback | |
| Actor | Instructor | |
| Summary | View feedback on their exam. | |
| Precondition | Instructor must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
|  | Step 1: Instructor navigates to the feedback section.  Step 2: Instructor selects their exam. | Step 3: System displays feedback from students for that exam. |
| Alternative Scenario | No feedback available or access error. | |
| Post Condition | Feedback is displayed. | |

**Table 3.1.1:** Use case description for View Feedback

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-19 | |
| Use Case Name | View report | |
| Actor | Instructor | |
| Summary | View report on their exam. | |
| Precondition | Instructor must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Instructor navigates to the reports section.  Step 2: Instructor selects their exam. | Step 3: System generates and displays the exam report. |
| Alternative Scenario | Report generation fails. | |
| Post Condition | Report is displayed. | |

**Table 3.1.1:** Use case description for View Report

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-20 | |
| Use Case Name | View Instructor dashboard | |
| Actor | Instructor | |
| Summary | Access instructor dashboard. | |
| Precondition | Instructor must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Instructor logs in. | Step 2: System displays the instructor dashboard. |
| Alternative Scenario | Dashboard fails to load. | |
| Post Condition | Instructor dashboard is shown. | |

**Table 3.1.1:** Use case description for View Instructor Dashboard

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-21 | |
| Use Case Name | View Student Result | |
| Actor | Instructor | |
| Summary | View student results for their exams. | |
| Precondition | Instructor must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Instructor navigates to the student results section.  Step 2: Instructor selects their exam. | Step 3: System displays student performance and results for that exam. |
| Alternative Scenario | Results not available or access denied. | |
| Post Condition | Results are displayed. | |

**Table 3.1.1:** Use case description for View Student Result

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-22 | |
| Use Case Name | Take available exam | |
| Actor | Student | |
| Summary | Take available exam at scheduled time. | |
| Precondition | Student must be logged in and registered. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Student navigates to available exams.  Step 2: Student selects an available exam.  Step 3: Student starts the exam.  Step 4: Student answers questions. | Step 5: System records answers.  Step 6: On completion or time expiry, System submits the exam. |
| Alternative Scenario | Technical issue during exam. | |
| Post Condition | Responses saved and exam status updated. | |

**Table 3.1.1:** Use case description for Take Available Exam

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-20 | |
| Use Case Name | View exam schedule | |
| Actor | Student | |
| Summary | View schedule of assigned exams. | |
| Precondition | Student must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Student navigates to the exam schedule section. | Step 2: System displays the list of upcoming exams assigned to the student. |
| Alternative Scenario | Schedule not found. | |
| Post Condition | Student sees schedule. | |

**Table 3.1.1:** Use case description for View Exam Schedule

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-21 | |
| Use Case Name | Add feedback | |
| Actor | Student | |
| Summary | Provide feedback on specific exam. | |
| Precondition | Student must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Student navigates to the feedback section for a completed exam.  Step 2: Student enters their feedback.  Step 3: Student submits the feedback. | Step 4: System saves the feedback response. |
| Alternative Scenario | Feedback form fails to submit. | |
| Post Condition | Feedback is recorded. | |

**Table 3.1.1:** Use case description for Add Feedback

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-22 | |
| Use Case Name | View Result | |
| Actor | Student | |
| Summary | View result of taken exam. | |
| Precondition | Student must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Student navigates to the results section.  Step 2: Student selects the completed exam. | Step 3: System displays the result of the taken exam. |
| Alternative Scenario | Result not available. | |
| Post Condition | Result is shown. | |

**Table 3.1.1:** Use case description for View Result

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | |
| Use Case ID | UC-23 | |
| Use Case Name | View student dashboard | |
| Actor | Student | |
| Summary | Access student dashboard. | |
| Precondition | Student must be logged in. | |
| Basic Scenario | **Actor Action** | **System response** |
| Step 1: Student logs in. | Step 2: System displays the student dashboard. |
| Alternative Scenario | Dashboard load fails. | |
| Post Condition | Student dashboard is displayed. | |

**Table 3.1.1:** Use case description for View Student Dashboard