1. **Admin Creates User Account**

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| --- | --- |
| Test case ID | FTC01 |
| Title | Admin Creates User Account |
| Test Scenario | Admin wants to create a new user account for teacher or student |
| Pre-Conditions | None |
| Test steps | **Web**:  From admin dashboard choose add user  Fill form with user details  Submit |
| Test Data | Name = Ahmed Ali  Email = a.Ali@fci-cu.edu.eg  AssignedID = Null (because this user will be a teacher)  Mobile = 01039275657  Title = Information Systems Teacher Assistant  Department = IS |
| Expected Results | A pop up stating that user is creating successfully |
| Exceptions | Error pop up showing which field input was wrong |

1. **User Logins**

|  |  |
| --- | --- |
| Test case ID | FTC02 |
| Title | User Logins |
| Test Scenario | Check Log In with invalid Email and Password |
| Pre-Conditions | None |
| Test steps | **Web**:  From Landing Page Navigate to log in button  Press it and fill form  Submit  **Mobile**:  After Onboarding Screens The login forms appears  Fill form  Submit |
| Test Data | Email = [test2eeeee3e@email.com](mailto:test2eeeee3e@email.com)  Password = 1234567 |
| Expected Results | Login successful and the user is guided to their homepage |
| Exceptions | Error pop up showing which field input was wrong |

1. **User Resets Password**

|  |  |
| --- | --- |
| Test case ID | FTC03 |
| Title | User Resets Password |
| Test Scenario | A user wishes to reset password/forgot password |
| Pre-Conditions | None |
| Test steps | **Web & Mobile**:  From Login page press forgot password / From setting and password page choose reset password  A verification email will be send with an OTP  Submit the OTP and reset password |
| Test Data | None |
| Expected Results | Password updated and user is redirected to login page |
| Exceptions | Error pop up showing which field input was wrong |

1. **Teacher Adds Assignment**

|  |  |
| --- | --- |
| Test case ID | FTC04 |
| Title | Teacher Adds Assignment |
| Test Scenario | A teacher wants to add an assignment to a course |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  From the course homepage navigate to the assignments tab  Click the + sign to create a new assignment  Submit all required details |
| Test Data | Title = Assignment 3 linear regression  Description = please study beforehand this assignment is due by next week and is worth 10 grades  Deadline = 13/7/2024  PostOn = 6/7/2024  Material = {file UUID} |
| Expected Results | The Files are uploaded to the server and a post linking to the assignment is created. |
| Exceptions | Error pop up showing which field input was wrong |

1. **Student Submits Assignment**

|  |  |
| --- | --- |
| Test case ID | FTC05 |
| Title | Student Submits Assignment |
| Test Scenario | A student wants to submit a specific assignment solutions |
| Pre-Conditions | User is logged in  User is an enrolled student in a specific course |
| Test steps | **Web & Mobile**:  From the course homepage navigate to the assignments tab then the specific assignment or navigate to it through its associated post  Student attaches the solution files  Presses submit |
| Test Data | Material = {files UUID} |
| Expected Results | The Files are uploaded to the server and the student submission is recorded |
| Exceptions | Error pop up showing which field input was wrong |

1. **Student Checks Course Grades**

|  |  |
| --- | --- |
| Test case ID | FTC06 |
| Title | Student Checks Course Grades |
| Test Scenario | A student wants to check their course grades |
| Pre-Conditions | User is logged in  User is an enrolled student in a specific course |
| Test steps | **Web & Mobile**:  Navigate to a course homepage  Navigate to either assignment or quiz to check the submissions |
| Test Data | None |
| Expected Results | The student can check on their grades so far. |
| Exceptions | None |

1. **Student Self-Enrolls with Codes**

|  |  |
| --- | --- |
| Test case ID | FTC07 |
| Title | Student Self-Enrolls with Codes |
| Test Scenario | A student wants to enroll in a course |
| Pre-Conditions | User is logged in |
| Test steps | **Web & Mobile**:  Navigate to a app home page  Access the search courses button  Enter search term  Choose desired course  Enter enrollment code |
| Test Data | CourseName = Geographical Information Systems  CourseEnrollmentCode = AG32HYR |
| Expected Results | The student is enrolled in course and case check posts |
| Exceptions | A pop because of an error in enrollment code  A pop because course reached max capacity |

1. **Admin Creates Courses**

|  |  |
| --- | --- |
| Test case ID | FTC08 |
| Title | Admin Creates Courses |
| Test Scenario | An Admin wants to create a new Course |
| Pre-Conditions | Admin is logged in |
| Test steps | **Web**:  From the admin dashboard click “Add new Course” button  Provide all the details  Submit |
| Test Data | CourseName = Theories of Mind  Code = AI579  EnrollCode =AG35AGT  Teacher = {List of user UUID} |
| Expected Results | A new course is created in the system with the assignment users as teachers, and is in an inactive state. |
| Exceptions | Error pop up showing which field input was wrong |

1. **Teacher Adds/Reuses Material**

|  |  |
| --- | --- |
| Test case ID | FTC09 |
| Title | Teacher Adds/Reuses Material |
| Test Scenario | A teacher wants to reuse an assignment or a quiz from previous courses |
| Pre-Conditions | User is logged in  User is assigned as Teacher in multiple courses |
| Test steps | **Web**:  Navigate to a previous Course  Navigate to a specific Post/Assignment/Quiz  Click “Re-post in another Course”  Choose a specific Course  Modify any necessary data  Submit |
| Test Data | Mostly are pre-filled  But some data like dates can be changed |
| Expected Results | A new Post is created in the specified course, and if applicable a new Quiz/Assignment are created too |
| Exceptions | Error pop up showing which field input was wrong |

1. **Teacher Adds Quiz**

|  |  |
| --- | --- |
| Test case ID | FTC10 |
| Title | Teacher Adds Quiz |
| Test Scenario | A teacher wants to add an Quiz to a course |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  From the course homepage navigate to the quizzes tab  Click the + sign to create a new Quiz  Submit all required details |
| Test Data | Title = Quiz 3 linear regression  Description = please study beforehand this quiz is due by next week and is worth 10 grade. Quiz will be opened only or 1 hour.  Deadline = 13/7/2024  PostOn = 6/7/2024  QuestionList = {User entered MCQ questions}  Total Grade = 10  AutoGrade = Trues  Duration = 1 hour |
| Expected Results | The Questions are uploaded to the server and a post linking to the quiz is created. |
| Exceptions | Error pop up showing which field input was wrong |

1. **Student Submits Quiz**

|  |  |
| --- | --- |
| Test case ID | FTC11 |
| Title | Student Submits Quiz |
| Test Scenario | A student wants to submit a specific Quiz Answers |
| Pre-Conditions | User is logged in  User is an enrolled student in a specific course |
| Test steps | **Web & Mobile**:  From the course homepage navigate to the Quizzes tab then the specific assignment or navigate to it through its associated post  Student provides an answer to each question  Student Submits |
| Test Data | Answers = {User Entered} |
| Expected Results | The students answers are recorded and his grade is calculated I applicable. |
| Exceptions | Error pop up showing which field input was wrong |

1. **Teacher Grades Quiz**

|  |  |
| --- | --- |
| Test case ID | FTC12 |
| Title | Teacher Grades Quiz |
| Test Scenario | A teacher wants to grades a quiz |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  From the course homepage navigate to the quizzes tab.  Select a specific quiz  A list of students will be shown, choose one who has submitted his answers  Grade Each question manually by stating if the answers is correct or false. |
| Test Data | GradedAnswers = {User Entered} |
| Expected Results | The graded questions are uploaded to the students submission and his final score is calculated |
| Exceptions | Error pop up showing which field input was wrong |

1. **Student Checks Pending deadlines**

|  |  |
| --- | --- |
| Test case ID | FTC13 |
| Title | Student Checks Pending deadlines |
| Test Scenario | A student wants to check upcoming deadliness |
| Pre-Conditions | User is logged in  User is enrolled in a specific course |
| Test steps | **Web & Mobile**:  Navigate to a course homepage  Navigate to either assignment or quiz to check the submissions |
| Test Data | None |
| Expected Results | Student can sees which Quizzes and assignments aren’t submitted yet and their deadlines |
| Exceptions | None |

1. **Teacher Creates Post**

|  |  |
| --- | --- |
| Test case ID | FTC14 |
| Title | Teacher Creates Post |
| Test Scenario | A teacher wants to Create a post in a course |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  Navigate to a course homepage  Click on the create post section and submit details  Submit post |
| Test Data | Title = Change in next week’s lecture schedule  Content = next week lecture will be delayed by an hour, we will start at 2 pm  AllowComments = No  Alert = True |
| Expected Results | The post is created and is viewable by students |
| Exceptions | Error pop up showing which field input was wrong |

1. **Teacher Integrates YouTube Video**

|  |  |
| --- | --- |
| Test case ID | FTC15 |
| Title | Teacher Integrates YouTube Video |
| Test Scenario | A teacher wants to Create a post in a course with a YouTube embed |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  Navigate to a course homepage  Click on the create post section and submit details  Submit post |
| Test Data | Title = Recommended explanation video  Content = I know last week lecture was difficult, if any students didn’t understand please view this helpful material https://www.youtube.com/watch?v=dQw4w9WgXcQ  AllowComments = Yes  Alert = No |
| Expected Results | The system infers the youtube link from the post context and replaces the youtube text by a youtube embed. |
| Exceptions | Error pop up showing which field input was wrong |

1. **User Accesses Settings**

|  |  |
| --- | --- |
| Test case ID | FTC16 |
| Title | User Accesses Settings |
| Test Scenario | A user wants to change setting such as theme |
| Pre-Conditions | User is logged in |
| Test steps | **Web & Mobile:**  From homepage press your profile picture  Navigate to setting option  Updated any setting as desired  Submit |
| Test Data | None |
| Expected Results | The system updates this user account setting locally. |
| Exceptions | Error pop up showing which field input was wrong |

1. **Student Feedback Mechanisms**

|  |  |
| --- | --- |
| Test case ID | FTC17 |
| Title | Student Feedback Mechanisms |
| Test Scenario | A student wants to submit feedback on a specific course and teacher |
| Pre-Conditions | User is logged in  User is enrolled in a specific course |
| Test steps | **Web & Mobile:**  Navigate to course homepage  Press the Dotted option next to the course header  Click provide feedback  Fill the form  Sumit |
| Test Data | Answers = {A list of answers for the provided questions} |
| Expected Results | User feedback is uploaded and stored on the server. |
| Exceptions | Error pop up showing which field input was wrong |

1. **Assessment Tools/Teacher Dashboard**

|  |  |
| --- | --- |
| Test case ID | FTC18 |
| Title | Assessment Tools/Teacher Dashboard |
| Test Scenario | A teacher wants to view a course analytics |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  Navigate to a course homepage  Navigate to the analytics page |
| Test Data | None |
| Expected Results | The user can see general analytics like number of students, Assignments count, Average grade, dates of quiz submissions, etc. |
| Exceptions | None |

1. **Student Downloads Materials**

|  |  |
| --- | --- |
| Test case ID | FTC19 |
| Title | Student Downloads Materials |
| Test Scenario | A students wants to download attached materials |
| Pre-Conditions | User is logged in  User is enrolled in a specific course |
| Test steps | **Web & Mobile**:  Navigate to a course homepage  Navigate to a specific post/quiz/assignment  Press on the attached material file to open in another app that can read the file format  Download it. |
| Test Data | None |
| Expected Results | The user can open attached material through third-party app and download it. |
| Exceptions | Error pop up when opening specific file due to server error |

1. **Admin Manages User**

|  |  |
| --- | --- |
| Test case ID | FTC20 |
| Title | Admin Manages User |
| Test Scenario | Admin wants to update a specific user |
| Pre-Conditions | None |
| Test steps | **Web**:  From admin dashboard search for user with id  Update their settings, example make them teacher in a specific course  Submit changes |
| Test Data | searchTerm = [a.Ali@fci-cu.edu.eg](mailto:a.Ali@fci-cu.edu.eg)  Course = {Course UUID}  AssignTeacher = Yes |
| Expected Results | A pop up stating that user setting been changed successfully |
| Exceptions | Error pop up showing which field input was wrong |

1. **Admin Manages Courses**

|  |  |
| --- | --- |
| Test case ID | FTC21 |
| Title | Admin Manages Courses |
| Test Scenario | Admin wants to update a specific course |
| Pre-Conditions | None |
| Test steps | **Web**:  From admin dashboard search for course with id  Update their settings, example update course capacity and status  Submit changes |
| Test Data | CourseCode = AI789  maxCapacity = 250  status = archived |
| Expected Results | A pop up stating that course setting been changed successfully |
| Exceptions | Error pop up showing which field input was wrong |

1. **Teacher Assigns Roles and Permissions**

|  |  |
| --- | --- |
| Test case ID | FTC22 |
| Title | Teacher Assigns Roles and Permissions |
| Test Scenario | A teacher wants to change some user permissions |
| Pre-Conditions | User is logged in  User is an assigned teacher in a specific course |
| Test steps | **Web**:  Navigate to a course homepage  Navigate to the course setting page  Navigate to roles  Update the “TA” role setting to allow them to grade assignments.  Submit |
| Test Data | None |
| Expected Results | The Teacher changes what other users can do in said course, in this case now users with TA role can grade any assignment submission |
| Exceptions | Error pop up stating what input is wrong |

1. **Admin Reviews Reports and Analytics**

|  |  |
| --- | --- |
| Test case ID | FTC23 |
| Title | Admin Reviews Reports and Analytics |
| Test Scenario | Admin wants to view general reports for this semester |
| Pre-Conditions | None |
| Test steps | **Web**:  From admin dashboard you can view a list of courses under specific parameters  Choose on course to check its analytics |
| Test Data | courseTerm = summer 2023  department = IS  Status = Archived |
| Expected Results | The admin can see the analytics of a previous or ongoing course.  Seeing data like number of courses, student engagement, average grades, student feedback, etc.. |
| Exceptions | None |

1. **Admin Supports User**

|  |  |
| --- | --- |
| Test case ID | FTC24 |
| Title | Admin Supports User |
| Test Scenario | Admin wants to respond to user tickets |
| Pre-Conditions | None |
| Test steps | **Web**:  From admin dashboard click tickets tab  Select one ticket to view |
| Test Data | None |
| Expected Results | The admin can see the Tickets and complaints user uploaded with their information for possible response. |
| Exceptions | None |

1. **Admin Manages Platform Maintenance and Updates**

|  |  |
| --- | --- |
| Test case ID | FTC25 |
| Title | Admin Manages Platform Maintenance and Updates |
| Test Scenario | Admin wants to update whole platform settings |
| Pre-Conditions | None |
| Test steps | **Web**:  From admin dashboard choose option to pause all write, update and delete operations. |
| Test Data | None |
| Expected Results | The admin can pause all write/read/update/delete operations on the system till the updates or maintenance are desired |
| Exceptions | None |