

Authentication

1. Admin Login with Valid Credentials

Test ID: TC_01

Test Objective: Verify admin can log with valid credentials.

Precondition: Admin credentials must be valid and pre-registered in the system.

Steps:

- Open the application.
- Navigate to the login page.
- Enter valid admin username and password.
- Click on the "Login" button.

Expected Result: Admin is successfully logged in and redirected to the dashboard.

2: Admin Login with Invalid Credentials

Test ID: TC_02

Test Objective: Verify system behavior when invalid credentials are used.

Steps:

- Open the application.
- Navigate to the login page.
- Enter an invalid username and/or password.
- Click on the "Login" button.

Expected Result: An error message, "Invalid username or password," is displayed.

3: Admin Logout

Test ID: TC_03

Test Objective: Verify the logout functionality for the admin.

Precondition: Admin must be logged in.

Steps:

Click on the "Sign Out" button from the dashboard.

Expected Result: Admin is logged out, and the application redirects to the login page.

CRUD Operations for Books

4: Add a New Book

Test ID: TC_04

Test Objective: Verify the ability to add a new book to the library.

Precondition: Admin must be logged in.

Steps:

- Navigate to the "Books" section.
- Click on "Add New Book."
- Enter details (Title, Author, Category, Description, Price)
- Click on "Save."

Expected Result: The new book is added to the system, and a success message is displayed.

5: Edit Book Details

Test ID: TC_05

Test Objective: Verify editing the details of an existing book.

Precondition: At least one book must exist in the system.

Steps:

- Navigate to the "Books" section.
- Select a book and click on edit icon
- Update the details (Title, Author, Category, Description, Price).
- Click on "Save."

Expected Result: The book updated successfully, and a confirmation message is displayed.

6: View All Books

Test ID: TC_06

Test Objective: Verify the ability to view the list of all books.

Steps:

- Navigate to the "Books" section.

Expected Result: A list of all books is displayed with correct details such as Title, Author, Category, Availability and Actions.

7: Add a New Author

Test ID: TC_07

Test Objective: Verify the ability to add a new author to the library.

Precondition: Admin must be logged in.

Steps:

- Navigate to the "Authors" section.
- Click on "Add New Author."
- Enter details (Author name)
- Click on "Save."

Expected Result: The new author is added to the system, and a success message is displayed.

8: Edit Author Details

Test ID: TC_08

Test Objective: Verify editing the details of an existing author.

Precondition: At least one author must exist in the system.

Steps:

- Navigate to the "Authors" section.
- Select a author and click on edit icon
- Update the details (Author name)
- Click on "Save."

Expected Result: The author details are updated successfully, and a confirmation message is displayed.

9: Add a New Category

Test ID: TC_09

Test Objective: Verify the ability to add a new category to the library.

Precondition: Admin must be logged in.

Steps:

- Navigate to the "Category" section.
- Click on "Add New Category."
- Enter details (Category name)
- Click on "Save."

Expected Result: The new category is added to the system, and a success message is displayed.

10: Edit Category Details

Test ID: TC_10

Test Objective: Verify editing the details of an existing category.

Precondition: At least one category must exist in the system.

Steps:

- Navigate to the "Category" section.
- Select a category and click on edit icon
- Update the details (Category name)
- Click on "Save."

Expected Result: The category details are updated successfully, and a confirmation message is displayed.