

Experiment No. 4

Aim:-

Create a test case on Library management system.

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Objective:	Understanding the test scenarios & test cases from Library management system.
Theory:	<p>Login Interface:</p> <p>Verify login page is accessible</p> <p>Verify that user name & password fields are present.</p> <p>Check that the "login" button is present.</p> <p>Test that a user can successfully login with the valid credentials.</p> <p>Verify that an error message is displayed for invalid login attempts.</p> <p>Validate that the "forgot Password" link is functional.</p> <p>Test that the "Create Account" link is functional.</p> <p>Test that the system redirects to the appropriate page after successful login.</p> <p>Verify that the system displays appropriate error messages for missing credentials.</p> <p>User Account Interface:</p> <p>Verify that user profile information is displayed correctly after successful login.</p> <p>Verify that users can update their profile information.</p>

Check if the user can change their password within the account settings.

Check that the users can view their Borrowing history.

Verify that users can view their fines & fees status.

Test if the users can place holds or request for books.

Test if the users can place for issuing books.

Test that users can pay fines & fees online, if they are late on returning a book.

Verify that the users can log-out from their account.

Verify that the users receive appropriate notifications for overdue books or holds.

Book Search Functionality test case:

Verify that users can search for books by title, by Author & ISBN.

Test that users can search for books by category or genre.

Test if the users can perform an advance search with multiple criteria & filter.

Check if the search results are displayed, accurately and relevantly.

Verify that users receive the right notifications or feedback for "No Search results found".

Test if the search functionality supports partial or wildcard searches.

Conclusion: Studying all the test cases for LMS ensures that operations performed by entities remain efficient, with data Handling & Seamless service Delivery.

Test if a blank search provides an appropriate message.

Resource Inventory test case :

Test if the inventory includes all available books in the library.

Test that each book in the inventory has an accurate metadata.

Check if the inventory accurately reflects the availability status of each book.

Verify that the inventory is updated in real time data when books are added or removed.

Verify that the inventory is organized by category, genres or sections.

Ensure that the inventory management system, also supports bulk updates or imports.

Check that libraries can easily locate & access items of the inventory.

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