Lab 11

Part A: The Bookaholics Test Plan

Scope

Login System:
i)Validate successful user login.
ii)Handle failed login attempts.

Registration System
i)Ensure correct user registration process.
ii)Handle duplicate username registration.

Book Reviews Posting:
i)Confirm the ability to post reviews.
ii)Ensure all of the field is filled out before submitting the review

Approach

Unit Testing:
Focused on testing individual functions like API endpoints (login, registration, posting/viewing reviews).

Integration Testing:
Test the integration of different system parts (front-end to back-end, database interactions).

User Acceptance Testing (UAT):
Conduct real-world scenario testing with actual users to validate functionality.

Resources

Tools & Technologies:
Use Mocha and Chai for unit and integration testing, Postman for API testing.

Schedule

Unit and Integration Testing:
Have plans to conduct these tests continuously during development cycles.

UAT:
 Have plans for user acceptance testing continuously during development cycles

Test Case ID	Scenario	Test Case	Test Case Description	Test Steps	Expected Result	Actual Result	Status
Test case_01	Register and Login to site	Press register button while on login screen and be taken to register page	Tests the UI/UX flow from the login page to the registration page.	1. Open login page. Click on register button.	User is redirected to the registration page.	User is redirected to the registration page.	pass
Test case_02	Registration System	Positive Test Case: Registers a new user successfully	Tests successful user registration process.	1. Access registration page. Enter valid username and password. Submit the form.	Registration successful with confirmation message.	Registration successful with confirmation message.	pass

Test case_03	Login System	Positive Test Case: Valid User Login	Validate successful user login after registration.	1. Access login page. Enter valid username and password. Submit the form.	User logged in successfully and taken to the home page.	User logged in successfully and taken to the home page.	pass
Test case_04	Login System	Negative Test Case: Invalid User Login	Handle failed login attempts.	1. Access login page. Enter invalid username and password. Submit the form.	Receive error message for invalid credentials.	Receive error message for invalid credentials.	pass
Test case_05	Registration System	Negative Test Case: Fails to register a user with an existing username	Handle duplicate username registration.	1. Access registration page. Enter a username that already exists and a password. Submit the	Error message indicating username already exists.	Error message indicating username already exists.	pass

					form.		
Test case_06	Book Reviews Posting	Positive Test Case: Posts a book review successfully	Confirm the ability to post reviews.	1. Access add review page. Enter book title, author, and review. Submit the form.	Review added successfully with confirmation message.		
Test case_07	Book Reviews Posting	Negative Test Case: Fails to post a book review with missing review	Ensure all the fields are filled out before submitting the review.	1. Access add review page. Enter book title and leave author and review empty. Submit the form.	Error message indicating required fields are missing.		

Test Case ID	Scenario	Test Case	Test Case Description	Test Steps	Expected Result	Actual Result	Status
Test case_01	Register and Login to site	Press register button while on login screen and be taken to register page	Tests the UI/UX flow from the login page to the registration page.	1. Open login page. Click on register button.	User is redirected to the registration page.	User is redirected to the registration page.	pass
Test case_02	Registration System	Positive Test Case: Registers a new user successfully	Tests successful user registration process.	1. Access registration page. Enter valid username and password. Submit the form.	Registration successful with confirmation message.	Registration successful with confirmation message.	pass
Test case_03	Login System	Positive Test Case: Valid User Login	Validate successful user login after registration.	1. Access login page. Enter valid username and password. Submit the form.	User logged in successfully and taken to the home page.	User logged in successfully and taken to the home page.	pass

Test case_04	Login System	Negative Test Case: Invalid User Login	Handle failed login attempts.	1. Access login page. Enter invalid username and password. Submit the form.	Receive error message for invalid credentials.	Receive error message for invalid credentials.	pass
Test case_05	Registration System	Negative Test Case: Fails to register a user with an existing username	Handle duplicate username registration.	1. Access registration page. Enter a username that already exists and a password. Submit the form.	Error message indicating username already exists.	Error message indicating username already exists.	pass
Test case_06	Book Reviews Posting	Positive Test Case: Posts a book review successfully	Confirm the ability to post reviews.	1. Access add review page. Enter book title, author, and review. Submit the form.	Review added successfully with confirmation message.		
Test case_07	Book Reviews Posting	Negative Test Case: Fails to post a book review with missing review	Ensure all the fields are filled out before submitting the review.	1. Access add review page. Enter book title and leave author and review empty. Submit the form.	Error message indicating required fields are missing.		