

# Book Store Application Manual Testing Validation | January 2025

This page details test cases that assess the reliability and functionalities of the Book Store Application. By strategically designing test scenarios, we aim to validate each module's functionality and integration, identify potential bottlenecks, and guarantee the accuracy of behaviours.

In this endeavor, our focus lies not only on covering the primary use cases but also on exploring edge cases and unexpected inputs to fortify the application against unforeseen challenges. Through systematic testing, we strive to enhance the resilience and responsiveness of the application, ultimately delivering a dependable solution that meets the highest standards of quality and performance.

## Test Scenarios

|    | Application Section | Business Requirement   | Test Steps  | Expected Results   | Success /Failure | Observed Results                               |
|----|---------------------|--|---|--|------------------|--|
| 1. | Login               | New user can register from the Login page with valid credentials | 1. Click on Login button<br>2. Click on New User button<br>3. Enter Cyndi as first name, Lin as Last name and cyndilin as user name and 11This2025! As password<br>4. Click on the I'm not a robot checkbox<br>5. Submit by clicking Register | Should receive message "User Register Successfully."         | Success          | Received message "User Register Successfully." |
| 2. | Login               | New user cannot register with numbers in the first name          | 1. On the New User page above<br>2. Enter Cyndi01 as first name, Lin as last name, cyndilin01 as user name and 11This2025! As password<br>3. Click on the I'm not a robot checkbox<br>4. Click Register                                       | Should receive error message "Name can only include letters" | Fail             | Received message "User Register Successfully." |
| 3. | Login               | New user cannot register with numbers in the last name           | 1. On the New User page above<br>2. Enter cyndi as first name, Lin11 as last name, cyndilin02 as user name and 11This2025! As password<br>3. Click on the I'm not a robot checkbox<br>4. Click Register                                       | Should receive error message "Name can only include letters" |                  |  |
| 4. | Login               | New user cannot register with an existing user                   | 1. On the New User page above<br>2. Enter Cyndi as first name, Lin as last name, cyndilin as user name and 11This2025! As   | Should receive message "User name already exists"            |                  |  |

|     |            |   |  |  |         |  |
|-----|------------|---|--|--|---------|--|
|     |            | name  | password<br>3. Click on the I'm not a robot checkbox<br>4. Click Register  |  |         |  |
| 5.  | Login      | New user cannot register with a password that doesn't meet the criteria | 1. On the New User page above<br>2. Enter Cyndi as first name, Lin as last name, cyndilin03 as user name and 2025! As password<br>3. Click on the I'm not a robot checkbox<br>4. Click Register          | Should receive message<br>"Passwords must have at least one non alphanumeric character, one digit ('0'-'9'), one uppercase ('A'-'Z'), one lowercase ('a'-'z'), one special character and Password must be eight characters or longer." | Success | Received error message   |
| 6.  | Login      | New user cannot register without validating reCapture                   | 1. On the New User page above<br>2. Enter Cyndi as first name, Lin as last name, cyndilin04 as user name and 11This2025! As password<br>3. Not clicking on I'm not a robot checkbox<br>4. Click Register | Should receive error message<br>"Please verify reCaptcha to register!"   | Success | Received error message   |
| 7.  | Login      | Existing user can login with valid credentials                          | 1. Back on the Login page, enter cyndilin as user name and 11This2025! As password<br>2. Click Login button  | User should be logged in and see their book history  | Success | Logged in and can see book history table   |
| 8.  | Login      | User cannot login with invalid credentials                              | 1. On the Login page<br>2. Enter cyndi00 as user name and 22! As password<br>3. Click Login button   | Should receive error message<br>"Invalid username or password!"  | Success | Received error message   |
| 9.  | Book Store | User can search for books in the Book Store                             | 1. On the Book Store page<br>2. user enters "Learning" in the search bar   | The table should be reduced to return Learning JavaScript Design Patterns by Addy Osmani   | Success | Table only displays Learning JavaScript Design Patterns by Addy Osmani                                 |
| 10. | Book Store | Columns should wrap text  | 1. Set up test data for a book where the title, author and Publisher names are long<br>2. Locate the test book in the Book store   | The columns should wrap the text when titles, author or publisher names are long   | Fail    | Long book titles are not wrapped<br><a href="#">Learning JavaScript Design Patterns by Addy Osmani</a> |
| 11. | Book Store | Clicking on column headings should sort table alphabetically            | 1. On the Book Store page<br>2. Click on column heading "Title"  | The content in the column clicked on should be listed alphabetically   | Fail    | The book titles does not sort alphabetically   |
| 12. | Book Store | Table contents  | 1. On the Book Store page  | The contents in the  | Success | Table moves to the   |

|     |            |  |   |  |             |   |
|-----|------------|--|---|--|-------------|---|
|     |            | should be correctly paginated                                | <ol style="list-style-type: none"> <li>2. Select 5 rows per page in drop down</li> <li>3. Clicking Next and Previous buttons should take user to the corresponding pages</li> </ol>   | table should move to the next or previous page   |             | next or previous page   |
| 13. | Book Store | User can select number of rows per page                      | <ol style="list-style-type: none"> <li>1. On the Book Store page</li> <li>2. Select 25 rows from drop down</li> </ol>   | The table should update to reflect the number of rows selected                           | <b>Fail</b> | Table expanded to 25 rows however when the number of rows selected are larger than the number of rows with contents, empty rows should not be displayed |
| 14. | Profile    | User can search for books                                    | <ol style="list-style-type: none"> <li>1. Set up test user with book Learning JavaScript Design Patterns by Addy Osmani and 5 other books</li> <li>2. On the Profile page</li> <li>3. user enters "Learning" in the search bar</li> </ol> | The table should be reduced to return Learning JavaScript Design Patterns by Addy Osmani |             |   |
| 15. | Profile    | Clicking on column headings should sort table alphabetically | <ol style="list-style-type: none"> <li>1. Set up test user with 5 books</li> <li>2. On the Profile page</li> <li>3. Click on column heading "Title"</li> </ol>  | The content in the column clicked on should be listed alphabetically                     |             |   |
| 16. | Profile    | User can delete all books                                    | <ol style="list-style-type: none"> <li>1. Set up test user with 5 books</li> <li>2. On the Profile page</li> <li>3. Click on Delete All Books button</li> <li>4. Confirm by clicking OK</li> </ol>  | All books should be removed and not visible  |             |   |
| 17. | Profile    | User can log out   | <ol style="list-style-type: none"> <li>1. On the Profile page</li> <li>2. Click on Log out button</li> </ol>  | User should be redirected to the Login page  |             |   |
| 18. | Profile    | User can delete the account                                  | <ol style="list-style-type: none"> <li>1. On the Profile page</li> <li>2. Click on Delete Account</li> <li>3. Click on OK button</li> </ol>   | User should receive message "User deleted"   |             |   |