**Mapping from requirements to test cases:**

|  |  |
| --- | --- |
| **Requirement #** | **Test Case #** |
| R1 | TC1, TC2 |
| R2 | TC3, TC4, TC5 |
| R3 | TC6, TC7 |

**Test suite to verify “Customer registration” feature:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | | TS1 | | | | | |
| **Title** | | Verify “Customer registration” functionality. | | | | | |
| **Description** | | To test all the scenarios that may arise while a customer tries to register. | | | | | |
| # | **Summary** | | **Dependency** | **Precondition** | **Post condition** | **Execution steps** | **Expected output** |
| TC1 | Verify that customer can register in the Book Store management system with all valid details. | |  | Customer is not registered in the Book Store management system; | Customer succeeds in registering himself. | 1. Input all the relevant details in the registration form. 2. Click on the ‘Register’ button. | A message should be displayed stating *“The registration is successful”*  And the user id is displayed. |
| TC2 | Verify that a customer cannot register in the Book Store management system without entering all the valid details. | |  | Customer is not registered in the Book Store management system; | Customer cannot register in the Book Store management system. | 1. Keep some or all the fields blank. 2. Click on the ‘Register’ button. | Message  should be displayed stating *“Some or all fields blank”*. |

**Test suite to verify “User Login” feature:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | | TS2 | | | | | |
| **Title** | | Verify the ‘User Login’ functionality. | | | | | |
| **Description** | | To test the different scenarios that might arise while a user is trying to login. | | | | | |
| **#** | **Summary** | | **Dependency** | **Preconditions** | **Post conditions** | **Execution steps** | **Expected output** |
| TC3 | Verify that user already registered and is able to login with correct username and password. | |  | Username *abc* isa registered user and password is *abc123* | User logged in | 1. Type in username *abc*  2. Type in password *abc123*  3. Click on the  ‘login’ button | A message is  Displayed stating “*Login Successful!*” followed by Home page. |
| TC4 | Verify that user is unregistered and is unable to login. | |  | Username *abc* isnot a registered user | User is not logged  In | 1. Type in username *abc*  2. Type in  password *xyz*  3. Click on the  ‘login’ button | A message is  displayed stating  *“Invalid username or*  *password”* |
| TC5 | Verify that user already registered  and is unable to login with  incorrect password. | |  | Username *abc* isa registered user and password is *abc123* | User is not logged  In | 1. Type in username *abc*  2. Type in password *xyz*  3. Click on the  ‘login’ button | A message is  displayed stating  *“Invalid username or*  *password”* |

**Test suite to verify “Buy book” feature:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | | TS3 | | | | | |
| **Title** | | Verify the ‘Buy book’ functionality. | | | | | |
| **Description** | | To test the different scenarios that might arise while a customer is trying to buy a book. | | | | | |
| **#** | **Summary** | | **Dependency** | **Preconditions** | **Post conditions** | **Execution steps** | **Expected output** |
| TC6 | Verify that the user can buy a book which is in stock. | |  | User is logged in. | User is able to buy that book. | 1. Enter the book-id you want to buy.  2. Click on the buy button to the book. | A message is displayed stating *“The purchase was successful.”* |
| TC7 | Verify that the user cannot buy a book which is not in stock. | |  | User is logged in. | User is not able to buy that book. | 1. Enter the book-id you want to buy.  2. Click on the buy button to the book. | A message is displayed stating *“The purchase was not successful as the book is not in stock.”* |