

-- The following user story is generated via laama3

User Story

Title

As a bookworm, I want to be able to browse and purchase books online so that I can easily find and buy the books I need.

Description

Given: A user with an account on the "ReadMore" website.

When: The user wants to purchase books from the "Fiction" section of the site.

Then:

As a bookworm, I want to be able to browse through various fiction genres such as romance, mystery, science fiction, and fantasy.

I should see a list of available books in each genre with their title, author name, price, and rating (average customer review).

The user should be able to filter books by rating, price range, or search for specific titles/author names.

Upon selecting a book, the user should be taken to a detailed product page displaying more information such as:

Book description

Author bio

Customer reviews and ratings

Shipping details (estimated delivery time and cost)

Payment options (credit/debit card, PayPal, etc.)

The user should have the option to add multiple books to their shopping cart.

Once in the shopping cart, the user can view a summary of their items, update quantities, remove items, or proceed to checkout.

Acceptance Criteria

The user can browse through different fiction genres on the website.

Users can filter books by rating, price range, and search for specific titles/author names.

Detailed product pages display necessary information about each book.

Users can add multiple books to their shopping cart.

Shopping cart summary displays total quantity, cost, and estimated delivery time.

Assumptions

The user has a valid account on the website with a verified email address.

The user's device meets the minimum technical requirements for accessing the website (browser compatibility, etc.).

The user is aware of their local taxes and shipping costs before making a purchase.

-- The following Test Cases is generated by llama3

Test Cases

Test Case 1: Browse through different fiction genres

Description: The user wants to browse through various fiction genres such as romance, mystery, science fiction, and fantasy.

Expected result: A list of available books in each genre is displayed with their title, author name, price, and rating (average customer review).

Test data:

Genres: Romance, Mystery, Science Fiction, Fantasy

Number of books per genre: 10-20

Step-by-step procedure:

Log in to the website with a valid account.

Navigate to the fiction section of the site.

Verify that each genre has its own list of available books.

Test Case 2: Filter books by rating, price range, or search for specific titles/author names

Description: The user wants to filter books based on their preferences (rating, price range, title name).

Expected result:

Filtering by rating displays books with the selected rating.

Filtering by price range displays books within the specified price range.

Searching for specific titles/author names returns relevant results.

Test data:

Rating: High (4+), Medium (3-4), Low (2 or less)

Price range:

10

–

10–50,

20

–

20–100

Title name and author name variations

Step-by-step procedure:

Log in to the website with a valid account.

Navigate to the fiction section of the site.

Filter books using the provided options (rating, price range, search).

Verify that only relevant books are displayed.

Test Case 3: Detailed product page

Description: The user wants to view detailed information about a selected book (description, author bio, customer reviews/ratings, shipping details, payment options).

Expected result:

Book description and author bio are displayed.

Customer reviews and ratings are shown for the selected book.

Shipping details (estimated delivery time and cost) are provided.

Payment options (credit/debit card, PayPal, etc.) are available.

Test data:

Book title: "Example Title"

Author bio: Brief description

Customer reviews/ratings: Positive, Negative, Mixed

Shipping details: Estimated delivery time and cost

Payment options: Credit/Debit Card, PayPal

Step-by-step procedure:

Log in to the website with a valid account.

Navigate to the fiction section of the site.

Select a book to view its detailed product page.

Verify that all necessary information is displayed.

Test Case 4: Add multiple books to shopping cart

Description: The user wants to add multiple books to their shopping cart for later purchase.

Expected result:

Multiple books can be added to the shopping cart simultaneously.

Books in the cart have correct quantities and prices listed.

Test data:

Number of books: 3

Book titles: "Example Title 1", "Example Title 2", "Example Title 3"

Quantities: 1, 2, 3 respectively

Step-by-step procedure:

Log in to the website with a valid account.

Navigate to the fiction section of the site.

Select multiple books and add them to the shopping cart simultaneously.

Verify that all selected books are added correctly.

Test Case 5: Shopping cart summary

Description: The user wants to view a summary of their items in the shopping cart, including total quantity, cost, and estimated delivery time.

Expected result:

Correct total quantity of books is displayed.

Accurate total cost (including shipping) is shown.

Estimated delivery time for all selected books is provided.

Test data:

Number of books: 3

Book titles: "Example Title 1", "Example Title 2", "Example Title 3"

Quantities: 1, 2, 3 respectively

Shipping details (estimated delivery time and cost)

Step-by-step procedure:

Log in to the website with a valid account.

Navigate to the fiction section of the site.

Add multiple books to the shopping cart.

View the shopping cart summary.

Verify that all details are accurate and up-to-date.

Test Case 6: Proceed to checkout

Description: The user wants to proceed with checkout after adding items to their shopping cart.

Expected result:

User is directed to a secure payment page.

Payment options (credit/debit card, PayPal, etc.) are provided.

Order summary includes total quantity, cost, and shipping details.

Test data:

Book titles: "Example Title 1", "Example Title 2"

Quantities: 1, 2 respectively

Payment options (credit/debit card, PayPal)

Step-by-step procedure:

Log in to the website with a valid account.

Navigate to the fiction section of the site.

Add multiple books to the shopping cart.

Proceed to checkout.

Verify that payment options are available and order summary is accurate.

Note: These test cases focus on the core features of the user story, but may require additional testing to cover edge cases or potential issues.

--The following Traceability is generated via Mistral

Here's a traceability matrix for the given User Story and related Test Cases:

User Story	Description	Acceptance Criteria	Test Cases
As a bookworm, I want to be able to browse and purchase books online so that I can easily find and buy the books I need.	Browse different fiction genres <i>I want to be able to browse through various fiction genres such as romance, mystery, science fiction, and fantasy.</i>	A list of available books in each genre is displayed with their title, author name, price, and rating (average customer review).	TC1: Browse through different fiction genres
	Filter books by rating, price range, or search for specific titles/author names <i>I want to filter books based on their preferences (rating, price range, title name).</i>	Filtering options return relevant results.	TC2: Filter books by rating, price range, or search for specific titles/author names
	View detailed product information <i>Upon selecting a book, the user should be taken to a detailed product page displaying more information such as... (book description, author bio, customer reviews and ratings, shipping details, payment options).</i>	Detailed product pages display necessary information about each book.	TC3: Detailed product page
	Add multiple books to shopping cart <i>The user should have the option to add multiple books to their shopping cart.</i>	Users can add multiple books to their shopping cart simultaneously.	TC4: Add multiple books to shopping cart
	View and update shopping cart summary <i>Once in the shopping cart, the user can view a summary of their items... (total quantity, cost, estimated delivery time).</i>	Shopping cart summary displays total quantity, cost, and estimated delivery time.	TC5: Shopping cart summary
	Proceed to checkout <i>The user should have the option to proceed to checkout.</i>	Users can proceed with checkout after adding items to their shopping cart.	TC6: Proceed to checkout

Legend:

- TC1, TC2, ..., TC6 represent the Test Cases described earlier.

This traceability matrix shows how each acceptance criterion of the User Story is linked to one or more Test Cases, ensuring that all requirements are covered by the defined tests. By using this matrix, you can easily track and manage the relationship between user needs and their corresponding verification activities.