Book Alley

Use-Case Specification: Browse books

Version 1.0

Revision History

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Use-Case Specification: Browse books

# Use-Case Name

## Brief Description

The browse book use case for Book Alley enables users to explore a wide range of book available on the website, view details information and purchase the book that they like

# Flow of Events

## Basic Flow

1. The user is presented with the home page
2. The system retrieves a list of available books from the database and displays them including their titles, authors, and covers.
3. The user can scroll through the list of book to explore more
4. The user can apply filters (e.g., by genre, author, price) to narrow down the book selection.
5. The user can select a specific book to view its detail
6. The user is presented with options to continue shopping or proceed to checkout.

## Alternative Flows

### Unauthenticated user access

1. If the user is not authenticated, they can still browse books but may have limited functionality (e.g., unable to add to cart or wish list until they log in).

### Sorting and filtering

1. The user presented with the homepage
2. The user can choose the genre filter at the left bar and the Newest/Oldest filter on the top to look for book that they want

# Special Requirements

## Multi-language support

* Provide support for multiple languages in book metadata and user interface.

## Accessibility

* The web application should adhere to accessibility standards, making it usable for people with disabilities.

## Performance

* The loading of books must be fast to ensure that the user can have a smooth browsing experience. Optimize page loading time and reduce bounce rate

## Security

* Implement secure data transmission and storage for user information. Protects user data and ensures a secure browsing environment.

## Regular backup

* Implement a regular backup system for book data and user preferences. Protects against data loss and ensures data recovery in case of system failures.

# Preconditions

## Internet connectivity

* The user's device should have a working internet connection to access the website

## User authentication

* The user must be logged in to their account.

## Previous user interaction

* If the users have previously interacted with the website (e.g browsing, purchasing) then the website can generate personalized recommendations.

## Product availability

* All of the book must be available in order to be displayed to the user

## No conflicting processes

* The user has not already initiated a different process within the website that conflicts with the browsing functionality (e.g., placing an order, viewing order history, accessing account settings).

## No error

* The user has not encountered any critical errors during the browsing.

# Postconditions

## Filtered book list display

* The user sees a list of books based on the applied filters.

## User preferences retention

* The system retains the user's preferences and applied filters.

## Successful book details view

* If the user clicks on a book, they are redirected to the book details page.

## Direct interaction options

* The user can add a book to their shopping cart or wish list directly from the browse page.

## Product tags displayed

* If the user view the books detail then the tags of that books are displayed and the user can click on those tags to view other books with the same tag

## Activity logging

* The system logs the browsing activity for analytics purposes.

# Extension Points

## Review and rating

* Allow users that have bought the book to provide reviews and ratings to enable other users to make an informed decision based on those reviews

## Personalized recommendation

* Implement an algorithm for personalized book recommendations to enhance user experience by suggesting books based on browsing history and preferences.

## Social media integration

* Allow users to share their favorite books on social media. Expands the social reach of the e-commerce platform and promotes user-generated content.

## Book preview

* Enables users to preview a few pages of a book before deciding to purchase.