

Functional Requirements

1. Book Browsing and Search

- **Description:** Users can search and browse books by title, author, and category.
 - **Key Features:**
 - Display of search results with book details (title, author, price, cover image).
 - Book detail pages with full descriptions and purchase options.
 - **System Behavior:**
 - Notify users when no results match their search.
 - Ensure real-time search with minimal response delay.
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2. Shopping Cart and Checkout

- **Description:** Users can add books to their cart and proceed to checkout.
 - **Key Features:**
 - View cart contents with item details and total price.
 - Edit cart items (change quantity or remove items).
 - Secure payment processing using third-party gateways.
 - **System Behavior:**
 - Reflect discounts, taxes, and shipping fees in the total.
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3. User Account Management

- **Description:** Registered users can manage accounts and track orders.
- **Key Features:**
 - Secure registration with email confirmation.
 - Login and password recovery.
 - Update personal information and view order history.
- **System Behavior:**
 - Encrypt stored passwords.

- Provide detailed order statuses and tracking.
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4. Author Profiles

- **Description:** Users can explore detailed author biographies.
 - **Key Features:**
 - Display author biographies, list of books, and related authors.
 - Provide links to individual book detail pages.
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5. Order Management

- **Description:** Users can view and manage their past orders.
 - **Key Features:**
 - Display order history with status and details.
 - Allow order cancellations (before shipping).
 - Notify users if cancellation is unavailable for shipped orders.
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6. Search History

- **Description:** Users can view and reuse their previous search queries.
 - **Key Features:**
 - Store the last 10 search queries.
 - Allow users to delete individual entries or clear the entire history.
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7. Admin Features

- **Description:** Administrators manage platform content and monitor system activities.
 - **Key Features:**
 - Manage books, categories, and author profiles.
 - Oversee user accounts and order statuses.
 - Apply discounts to books and manage promotional activities.
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8. Book-Specific Discounts

- **Description:** Admins can apply promotional discounts to books.
 - **Key Features:**
 - Show original and discounted prices on book pages.
 - Automatically apply discounts during checkout.
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9. Category Showcase Pages

- **Description:** Users can browse specific book categories.
 - **Key Features:**
 - Dedicated pages for each category with top titles and bestsellers.
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10. Book Series Display

- **Description:** Users can explore books in a series.
 - **Key Features:**
 - List all books in a series in reading order.
 - Allow users to add entire series to the cart.
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Non-Functional Requirements

- **Performance:** Quick response times for searches and page loads.
- **Scalability:** Support increasing user traffic and data volume.
- **Security:**
 - Encrypted data storage and transmission.
 - Secure user authentication and admin access.
- **Usability:** Intuitive interface and responsive design.