



Online Book Store Application

Introduction

- The Online Book Store Application is a web-based platform designed to facilitate the buying and selling of books online. It provides users with a convenient way to browse, search for, and purchase books from a wide selection of categories.

Purpose

- The purpose of the Online Book Store Application is to provide a user-friendly and secure platform for book enthusiasts to explore, purchase, and manage their book orders online. It aims to streamline the process of buying books and provide an enjoyable shopping experience for users.

Scope

THE ONLINE BOOK STORE APPLICATION WILL INCLUDE THE FOLLOWING FEATURES:

- * User Registration and Authentication
- * Browse and Search Books by Category, Title, Author, etc.
- * Book Details Page with Description, Price, and Availability
- * Add to Cart and Checkout Functionality
- * User Profile Management (View Orders, Update Information)
- * Admin Dashboard for Managing Books, Orders, and Users

Functional Requirements



- User Authentication and Authorization:
 - Users must be able to register an account or login with existing credentials.
 - Authentication should be secure and include password encryption.
 - Different user roles should have appropriate access permissions (e.g., regular user, admin).

- Book Catalog:
 - Users can browse books by categories (fiction, non-fiction, etc.), title, author, and other relevant filters.
 - Each book listing should display relevant information such as title, author, price, and availability.

- Shopping Cart and Checkout:
 - Users can add books to their shopping cart for future purchase.
 - They can view and manage items in the shopping cart.
 - Users should be able to proceed to checkout, enter shipping and payment details, and place an order.

- User Profile Management:

- Users can view their order history, manage shipping addresses, and update personal information.
- Password reset functionality should be provided for forgotten passwords.

- Admin Dashboard:

- Admin users have access to a dashboard for managing books, orders, and user accounts.
- They can add, edit, or delete books from the catalog.
- Admins can view and manage user orders and user accounts.

Non-functional Requirements

- **Performance:** The application should be responsive and capable of handling a moderate to high volume of concurrent users without significant performance degradation.
- **Security:** User authentication and sensitive data (e.g., passwords, payment information) should be encrypted and protected from unauthorized access.
- **Scalability:** The architecture should support easy scalability to accommodate future growth in users and data.
- **Usability:** The user interface should be intuitive and easy to navigate, providing a pleasant shopping experience for users.

Constraints.

01

- The Online Book Store Application will be developed using Spring Boot for the backend and React for the frontend.

02

- The application must comply with relevant data protection regulations (e.g., GDPR).

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"Books are a uniquely
portable magic." - Stephen
King

Stephen King Jr.