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Online Bookstore Management System

Business Requirements:

1. User Authentication and Authorization

- Users should be able to register, log in, and log out securely.

- Admins should have elevated access for managing books and users.

2. Book Catalog Management

- Users can view a list of available books with details (title, author, price, etc.).

- Admins can add, update, and delete books from the catalog.

3. Shopping Cart Functionality

- Users should be able to add books to their shopping cart and proceed to checkout.

- The system should calculate the total price and handle the purchase.

4. Order Tracking

- Users can track the status of their orders (pending, shipped, delivered, etc.).

- Admins can manage and update order statuses.

5. Review and Rating System

- Users can rate and leave reviews for books they have purchased.

- The system should display average ratings for each book.

6. Book Genre Filters

- Description: Implement filters to categorize books by genres (e.g., fiction, non-fiction, mystery) for easy browsing.

- Goal: Allow users to quickly find books based on their preferred genres, enhancing user experience.

7. User Profile Customization

- Description: Enable users to customize their profiles by adding avatars, setting preferences, or saving favorites.

- Goal: Provide users with a personalized experience and improve engagement on the platform.

8. Discounts and Promotions

  - Description: Implement promotional discounts or coupon codes for special occasions or selected books.

  - Goal: Encourage sales by offering discounts, attracting users with special offers and promotions.

9. Simple Search Functionality

  - Description: Develop a basic search feature allowing users to search for books by title or author name.

  - Goal: Facilitate easy book discovery and navigation within the bookstore.

10. User Feedback Collection

  - Description: Implement a feedback system to gather user opinions or suggestions for improvement.

  - Goal: Gather valuable insights directly from users to enhance the platform's usability and features.

Main Features for MVP Phase:

1. User Authentication

  - Description: Allows users to register and log in securely.

  - Endpoint: `/api/auth/register`, `/api/auth/login`

2. Book Catalog Management

  - Description: Provides CRUD operations for managing books.

  - Endpoints: `/api/books`, `/api/books/{id}`

3. Shopping Cart Functionality

  - Description: Enables users to add/remove books from the cart and checkout.

  - Endpoints: `/api/cart/add`, `/api/cart/remove`, `/api/cart/checkout`

4. Order Management

  - Description: Tracks order status and allows admin to update status.

  - Endpoints: `/api/orders`, `/api/orders/{id}/status`

5. Review and Rating System

  - Description: Allows users to rate and review purchased books.

  - Endpoints: `/api/books/{id}/reviews`, `/api/books/{id}/ratings`