**E-Book Store**

**E-Commerce Project**

**Report**

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**1. Project Name:**

E Book Store

**3. Project Details:**

**Mission Statement:**

Our mission is to create a user-friendly, secure, and responsive online eBook store that enables users to easily browse, compare, and purchase eBooks. We aim to provide a seamless shopping experience with advanced features such as book comparisons, detailed specifications, user reviews, and a dynamic shopping cart.

**Target Audience:**

* Tech-savvy individuals seeking detailed book comparisons and reviews.
* Young adults and professionals (aged 18–40) who prefer online shopping.
* Students and hobbyists interested in affordable eBooks.
* Shoppers who value convenience and transparency in book information.

**Intended Marketplace:**

* The online eBook market.
* Small to medium-sized eBook retailers seeking a digital platform.
* Regions with growing e-commerce activity, particularly in urban areas with high demand for eBooks.

**Strategic Analysis:**

* **Strengths:** Full-stack implementation (frontend + backend), key features like filtering, sorting, cart, reviews, and comparisons, responsive design for mobile and desktop users.
* **Weaknesses:** Currently in prototype stage, may require UX testing and performance optimization, limited backend scalability (can be improved with cloud hosting or caching systems).
* **Opportunities:** Potential to integrate payment gateways and shipping APIs for real-world use, possibility to expand into a commercial business or startup, social media integration for marketing and engagement.
* **Threats:** High competition in e-commerce platforms, security vulnerabilities if not continuously maintained, current reliance on local storage for features like reviews and wishlist.

**Development Timeline:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** |  | **Tasks** | **Duration** |
| Planning |  | Requirements gathering, feature listing | 1 Day |
| Design |  | UI/UX design using Bootstrap | 1 Day |
| Frontend Development |  | Book listing, filtering, sorting, cart, comparisons, reviews | 2 Days |
| Backend Development |  | Authentication, book APIs, cart logic, review APIs | 2 Days |
| Testing & Debugging |  | Functional testing, responsiveness check | 1 Day |
| Final Touches |  | Performance tuning, responsive design optimization | 1 Day |
| **Total** |  | — | 8 Days |

**4. Technical Details:**

**Frontend:**

* **React:** Modern JavaScript library for building dynamic and interactive user interfaces.
* **Bootstrap:** For clean, responsive, and consistent UI design across devices.
* **CSS:** Custom styles to enhance the visual appeal and layout of the application.
* **React Router:** For page navigation and routing within the single-page application.
* **Axios:** For API integration and data fetching from the backend.

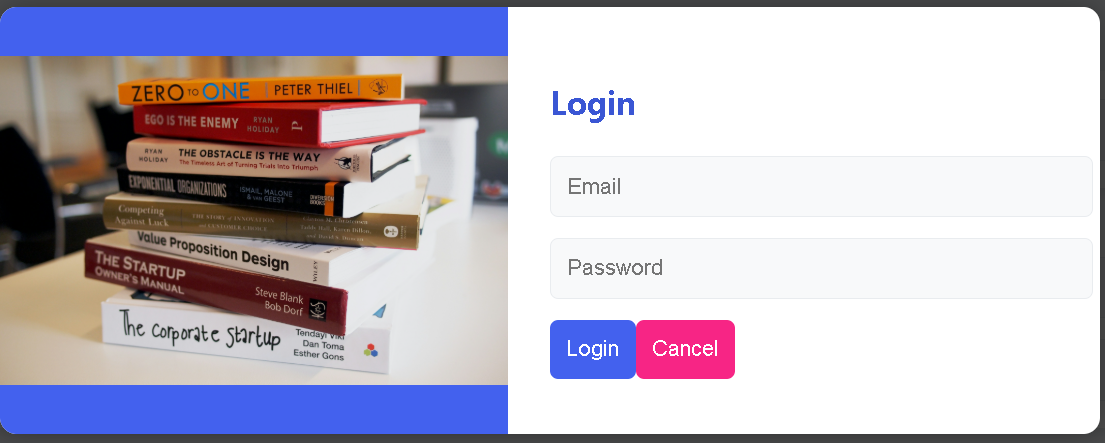
**Backend:**

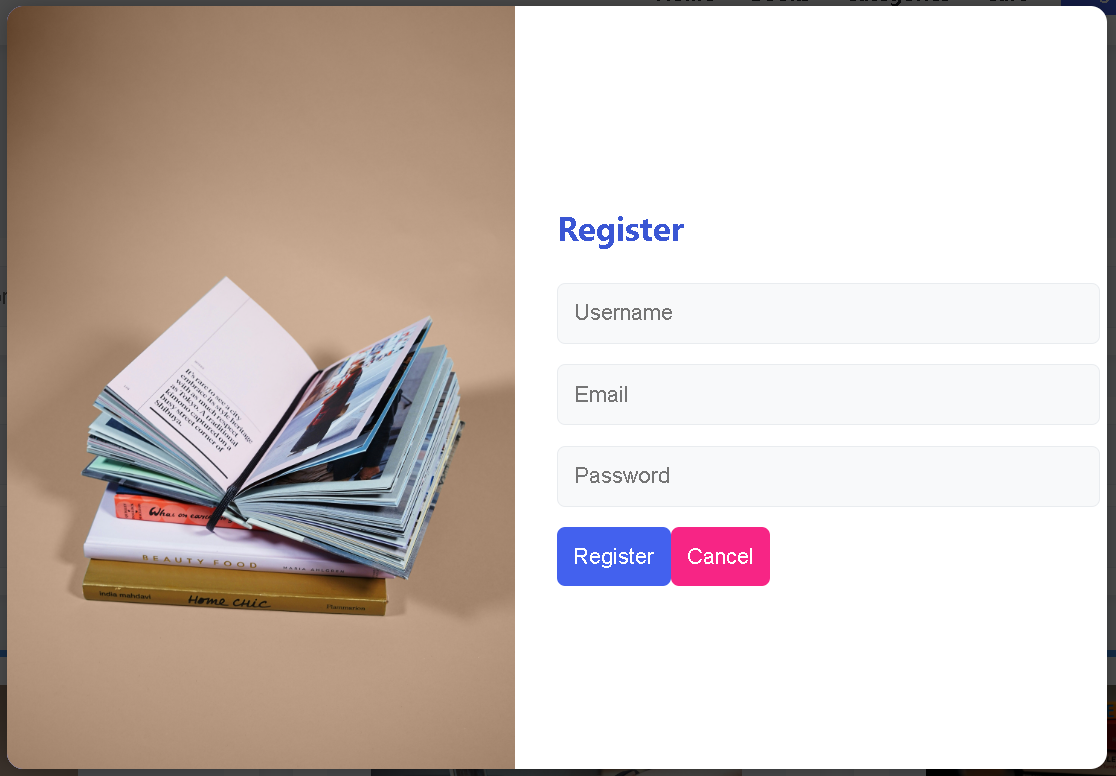
* **Node.js with Express.js:** For developing scalable RESTful APIs.
* **MongoDB:** NoSQL database for storing user, book, cart, and review data.
* **JWT:** For secure user authentication and session management.
* **RESTful APIs:** To manage users, books, shopping cart, and reviews.

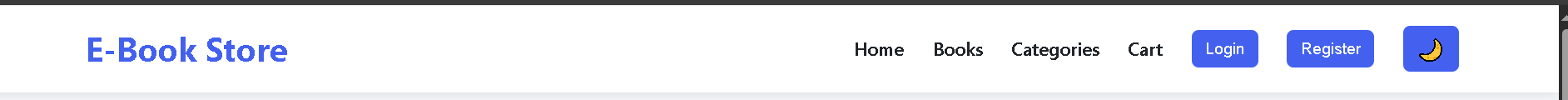
**Core Features:**

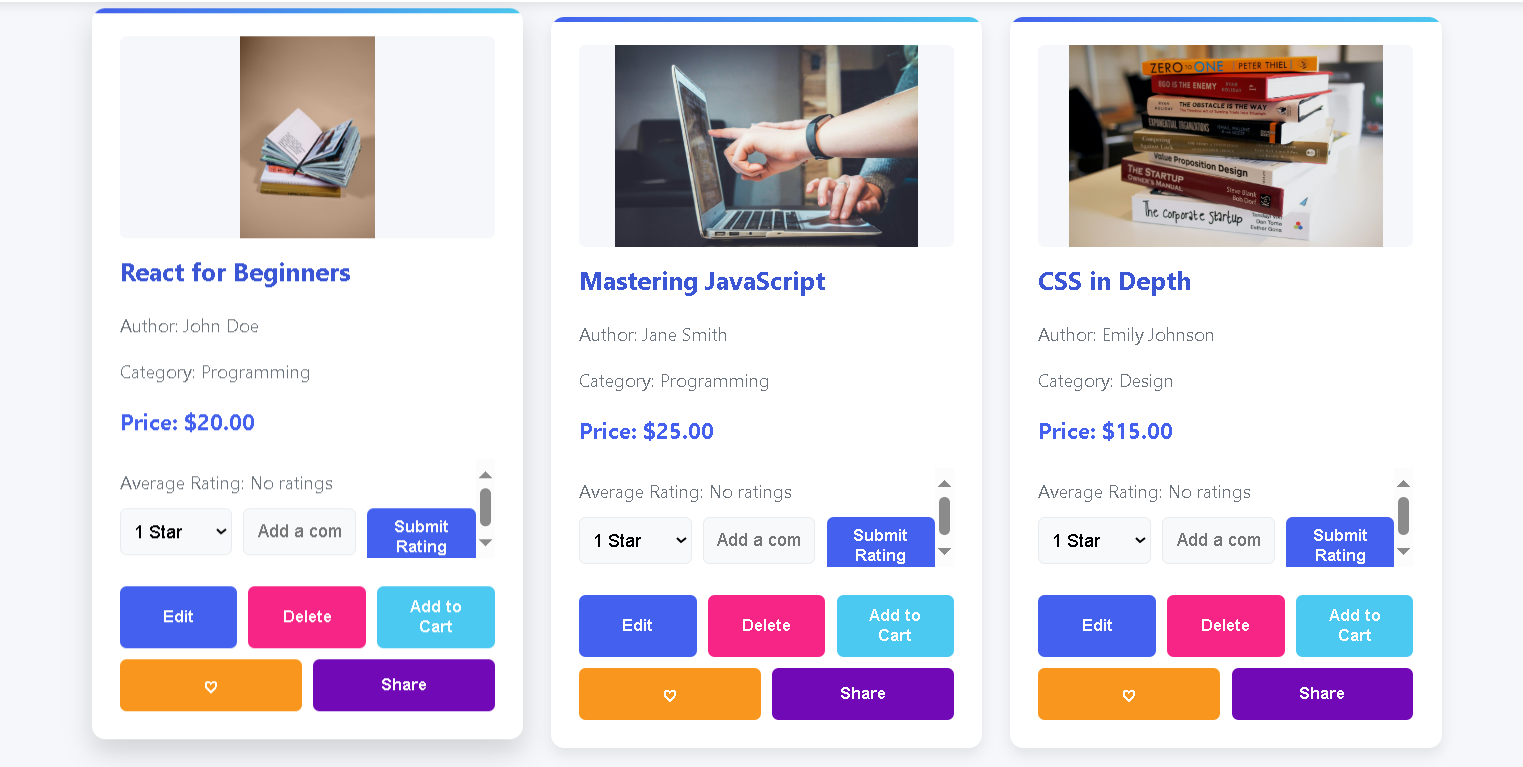
* **Book Filtering:** Filter books by category, price, or author.
* **Sorting:** Sort books by price or rating.
* **Shopping Cart:** Manage item quantities and view cart contents.
* **Book Reviews:** Star-based rating system for user feedback.
* **Book Comparison:** Compare up to 4 books side-by-side.
* **Responsive Design:** Fully responsive layout for mobile, tablet, and desktop devices.
* **Demo Checkout Flow:** Simulated checkout process with a confirmation step.
* **Order Creation:** Store order details after checkout for processing.

**6. Images:**







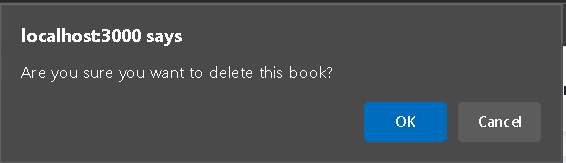
A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a phone

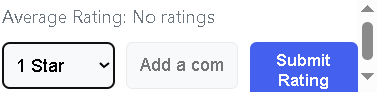
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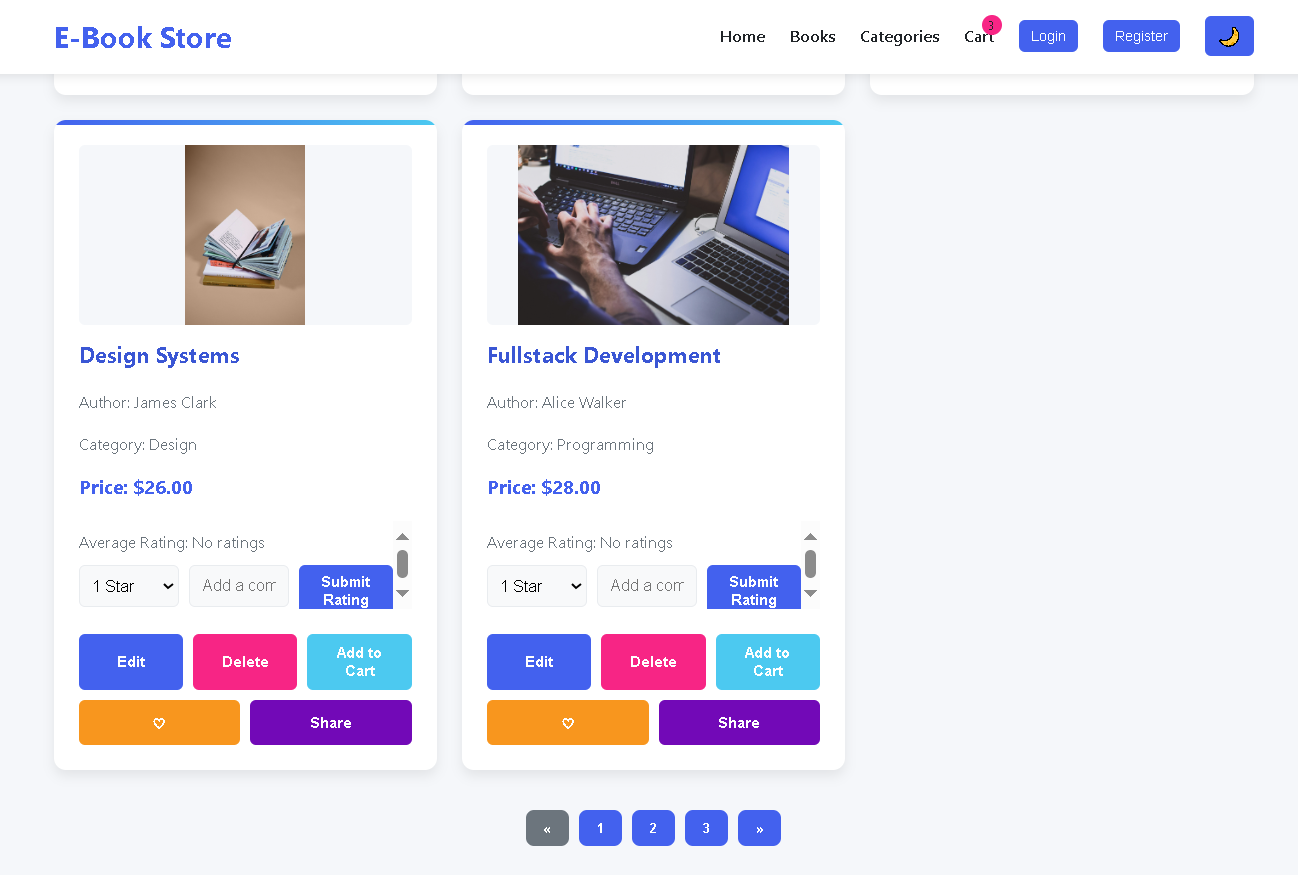
A screenshot of a chat

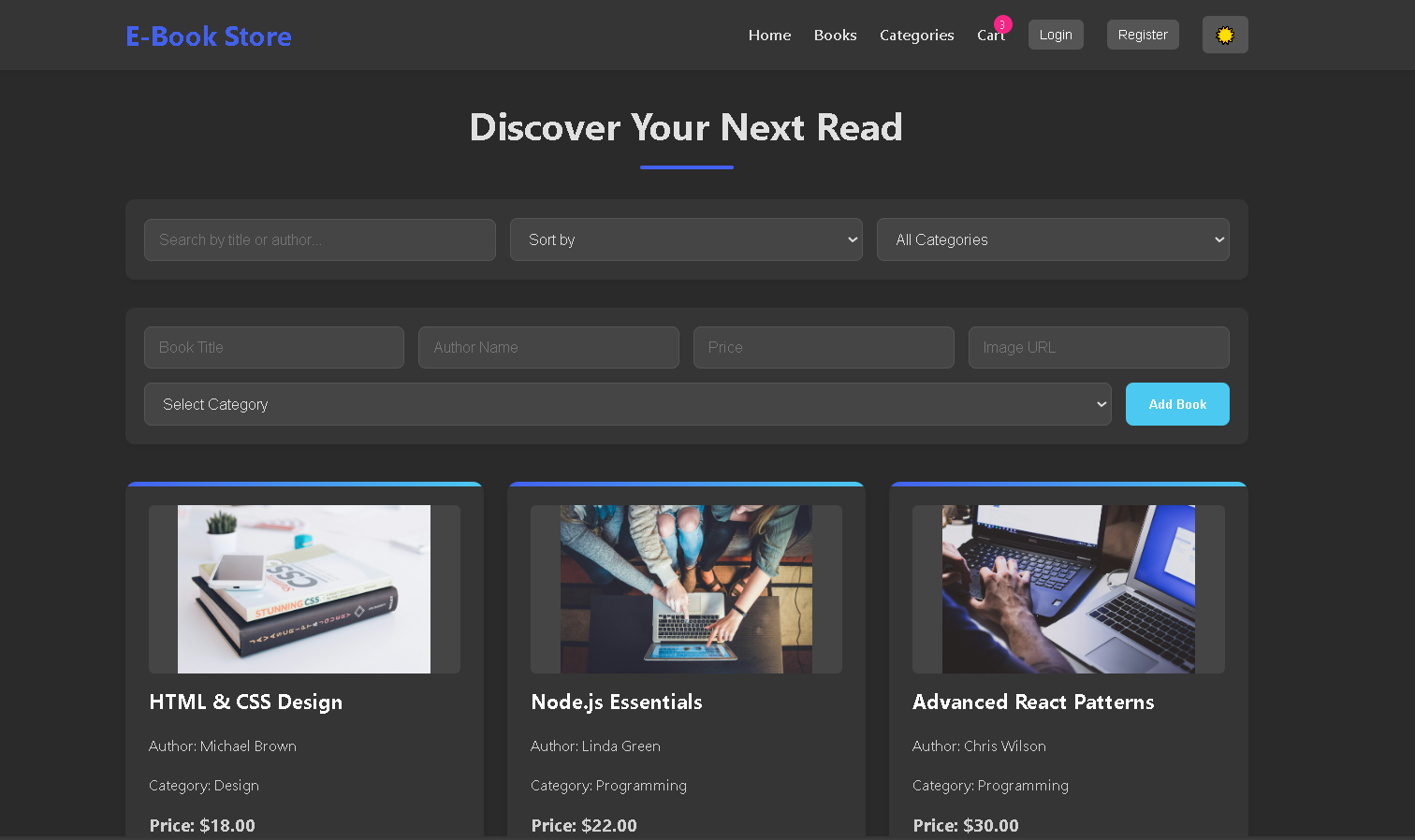
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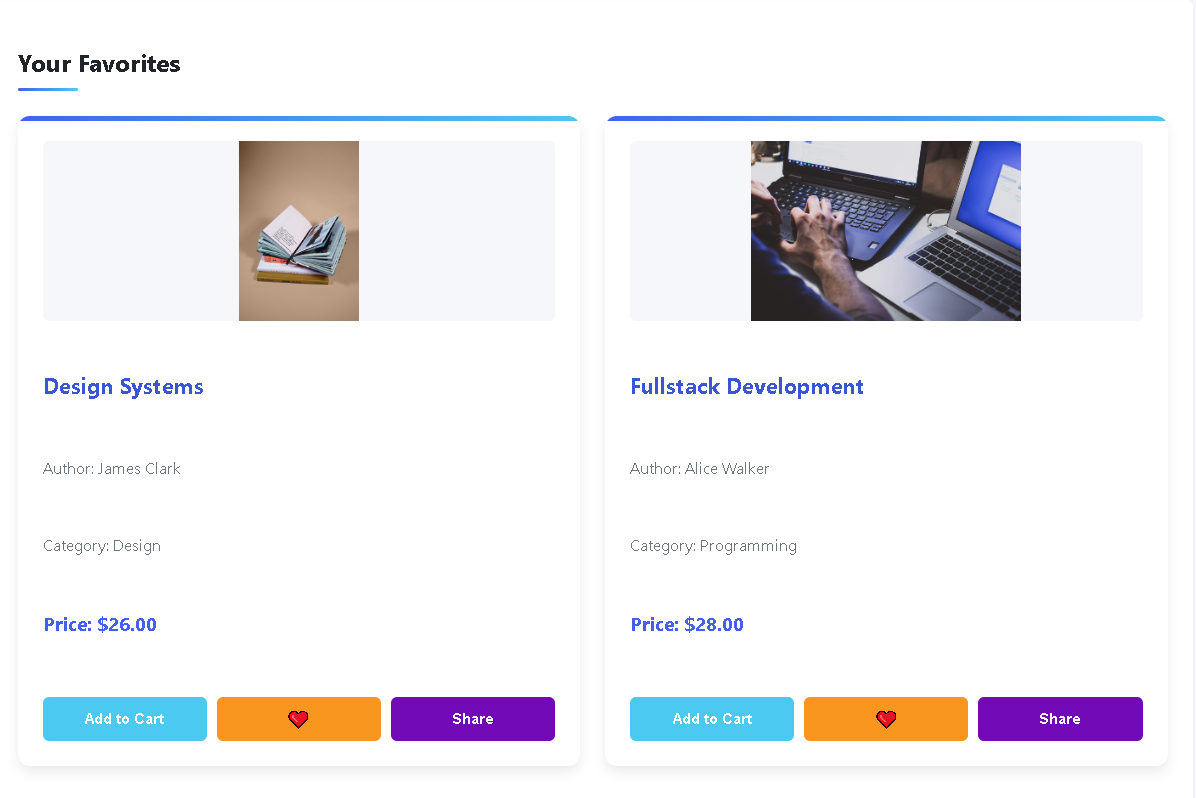


A close up of a sign

AI-generated content may be incorrect.







A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a checkout

AI-generated content may be incorrect.