



WEB ENGINEERING PROJECT REPORT

ONLINE BOOK STORE WEBSITE

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ABSTRACT

The Book Store PHP and MySQL project is an online platform designed to enable users to search, browse, and purchase books from a virtual book store.

The project is built using the PHP programming language and MySQL database management system. It incorporates several features such as user registration and login, shopping cart functionality. The project also includes an admin panel that allows administrators to manage the book inventory, view sales reports, and manage customer accounts.

The application uses a responsive design that is optimized for both desktop and mobile devices, providing a seamless user experience across all platforms.

Overall, the Book Store PHP and MySQL project is a comprehensive and practical solution for managing an online book store. It provides a powerful and user-friendly interface that enables customers to find and purchase their favorite books.

TECHNOLOGY

Technology stack used for creating the online book store website:

Front-End:

HTML: Used for creating the structure and layout of web pages.

CSS: Used for styling and designing the web pages, including the appearance, layout, and responsiveness of the website.

JavaScript (JS): JavaScript is used in the online book store website for adding interactivity and dynamic functionality to the website and for providing the form validation .Additionally, JavaScript enables the implementation of shopping cart functionality, allowing users to add books to their cart, view cart contents, update quantities, and calculate total prices dynamically without page reloads.

Bootstrap: A popular CSS framework that provides pre-designed components and a responsive grid system. Bootstrap is used in the online book store website for achieving responsiveness, ensuring that the website works well on various screen sizes and devices.

Back-end:

4. **PHP** (Hypertext Preprocessor): Used for server-side scripting to handle the logic and processing of data, including fetching book data from the database, handling user inputs, and managing user accounts.

5. **MySQL:** Used as the database management system to store and retrieve book data, as well as user-related information such as order details, addresses, and login credentials.

This combination of front-end and back-end technologies works together to create a functional and dynamic online book store website that provides an engaging and user-friendly experience for visitors.

REQUIREMENT

To run the Online Book Store, you will need the following:

- Install Xampp
- A web server with PHP 7.0 or later installed
- An internet connection
- A web browser with JavaScript enabled