**UNIVERSITY INSTITUTE OF COMPUTING**

**Mini Project Of Web Development**

**Online Book Store**

Program Name: BCA

Subject Name/Code: **Web Development**

(23CAH-254)

**Submitted By: Submitted To:**

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**INTRODUCTION**

# 📘 Introduction

The **Online Book Store** is a web-based application developed using PHP and MySQL. Its main purpose is to allow users to browse, search, and purchase books online. With the rise in e-commerce, such platforms provide users with a convenient way to explore a wide range of books without having to visit a physical bookstore.

This project demonstrates the practical implementation of web development technologies and database management systems to build a functional e-commerce application.

🌟 **Features**

**✅ For Users:**

* **User Registration & Login**
* **Search & Filter Books by Category/Author/Price**
* **View Book Details**
* **Add to Cart / Remove from Cart**
* **Checkout Process**
* **Order History**

**🛠️ For Admin:**

* **Admin Dashboard**
* **Add/Edit/Delete Book Entries**
* **Manage Users and Orders**
* **View Sales Reports**
* **Inventory Management**

🧰 **Uses**

* Allows users to buy books from anywhere, anytime.
* Reduces the need for physical inventory space for sellers.
* Offers a platform for authors and publishers to showcase their books.
* Provides an easy and secure method for book transactions.
* Helps students and book lovers access a wide variety of books in one place.
* **Challenges**
* **User Authentication & Security:** Ensuring user credentials are protected from SQL injection and other vulnerabilities.
* **Database Management:** Keeping the database optimized for performance and scalability.
* **Payment Integration (optional):** Implementing secure and reliable payment gateways can be complex.
* **Responsive Design:** Ensuring the website works well on both desktop and mobile devices.
* **Search Optimization:** Implementing fast and accurate search algorithms for book queries.
* Code
* HTML

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Online Book Store</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<ul>

<li><a href="#">Home</a></li>

<li><a href="#">Shop</a></li>

<li><a href="#">Contact</a></li>

</ul>

</nav>

<div class="search-bar">

<input type="text" id="search" placeholder="Search for books...">

<button onclick="searchBooks()">Search</button>

</div>

</header>

<section class="books">

<div class="book" data-title="JavaScript Basics">

<img src="book1.jpg" alt="JavaScript Basics">

<h3>JavaScript Basics</h3>

<p>$19.99</p>

<button onclick="addToCart('JavaScript Basics')">Add to Cart</button>

</div>

<div class="book" data-title="Learn HTML & CSS">

<img src="book2.jpg" alt="Learn HTML & CSS">

<h3>Learn HTML & CSS</h3>

<p>$15.99</p>

<button onclick="addToCart('Learn HTML & CSS')">Add to Cart</button>

</div>

<!-- Add more books as needed -->

</section>

<footer>

<p>&copy; 2025 Online Book Store</p>

</footer>

<script src="script.js"></script>

</body>

</html>

* CSS

/\* General Styles \*/

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f4f4f4;

}

header {

background-color: #333;

color: white;

padding: 10px 0;

text-align: center;

}

nav ul {

list-style-type: none;

padding: 0;

}

nav ul li {

display: inline;

margin: 0 15px;

}

nav ul li a {

color: white;

text-decoration: none;

}

.search-bar {

margin-top: 10px;

}

.search-bar input {

padding: 5px;

width: 200px;

}

.search-bar button {

padding: 5px;

}

.books {

display: flex;

flex-wrap: wrap;

justify-content: center;

margin: 20px;

}

.book {

background-color: white;

margin: 10px;

padding: 15px;

width: 200px;

text-align: center;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

}

.book img {

width: 100%;

height: auto;

}

footer {

background-color: #333;

color: white;

text-align: center;

padding: 10px;

position: fixed;

width: 100%;

bottom: 0;

}

* JAVA SCRIPT (JS)-

Sample book data

const books = [

{ title: "JavaScript Basics", price: "$19.99" },

{ title: "Learn HTML & CSS", price: "$15.99" },

// Add more books as needed

];

// Function to add a book to the cart

function addToCart(bookTitle) {

alert(`${bookTitle} has been added to your cart.`);

}

// Function to search books

function searchBooks() {

const query = document.getElementById('search').value.toLowerCase();

const bookElements = document.querySelectorAll('.book');

bookElements.forEach(book => {

const title = book.getAttribute('data-title').toLowerCase();

if (title.includes(query)) {

book.style.display = 'block';

} else {

book.style.display = 'none';

}

});

}

* Summary- The Online Book Store is a compact and efficient system that simplifies the book-buying process through a digital platform. Developed with PHP, HTML, CSS, and MySQL, it allows users to browse, purchase, and manage book orders, while admins can maintain book records and oversee sales. The project demonstrates fundamental concepts of web development, session management, database integration, and user interaction.
* Conclusion- This mini project is a great example of how PHP can be used to build real-world web applications. The Online Book Store combines both front-end and back-end technologies to deliver a smooth user experience. It prepares students and developers to understand the basic workflow of e-commerce systems and lays the foundation for building more advanced applications in the future.

GITHUB LINK-



