

WEB TECHNOLOGY LAB

A Mini Project on

“Online Bookstore System”

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PURPOSE:

An Online Book Store System is a really useful and time-saving tool for book sellers who want to sell their books online without having to rent a place for a store. Customers can buy any books they want without having to go to a bookstore as long as they have a computer or a cell phone with an internet connection. It is a win-win situation for both the consumer and the seller. This project also aims to increase online book sales because the Internet plays such an important part in people's lives today.

TECHNOLOGIES USED:

This Online Bookstore system was developed using the following web development tools:

- **PHP**

- PHP is an acronym for "PHP: Hypertext Preprocessor".
- PHP is a widely-used, open source scripting language.
- PHP can generate dynamic page content by performing create, open, read, write, delete, and close operations on the files on the server.
- PHP files can contain text, HTML, CSS, JavaScript, and PHP code.
- PHP code is executed on the server, and the result is returned to the browser as plain HTML

- **MySQL Database**

- MySQL is an open-source relational database management system (RDBMS)..
- A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data.
- The MySQL server software itself and the client libraries use dual-licensing distribution.

- MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often MySQL is used with other programs to implement applications that need relational database capability.
- **HTML**
 - The Hyper-Text Markup Language, or HTML is the standard markup language for documents or static web pages designed to be displayed in a web browser.
 - It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.
 - HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.
- **CSS**
 - Cascading Style Sheets, referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.
 - CSS handles the look and feel part of a web page.
 - Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, and variations in display for different devices and screen sizes as well as a variety of other effects.
 - CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document.
 - Most commonly, CSS is combined with the markup languages HTML or XHTML.
- **Bootstrap**
 - Bootstrap is a free front-end framework for faster and easier web development.
 - Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins.
 - Bootstrap also gives you the ability to easily create responsive designs.
- **JavaScript**
 - JavaScript is a lightweight, interpreted programming language.
 - It is designed for creating network-centric applications.
 - It is complementary to and integrated with Java.
 - JavaScript is very easy to implement because it is integrated with HTML.
 - It is open and cross-platform.
- **Ajax**
 - Ajax stands for **A**synchronous **J**avaScript **A**nd **X**ML.
 - AJAX is not a programming language.
 - AJAX allows web pages to be updated asynchronously by exchanging data with a web server behind the scenes.

- Ajax uses a combination of a browser built-in XMLHttpRequest object (to request data from a web server) and JavaScript and HTML DOM (to display or use the data).
- **JQuery**
 - jQuery is a JavaScript Library.
 - jQuery is a lightweight, "write less, do more", JavaScript library.
 - jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.
 - jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

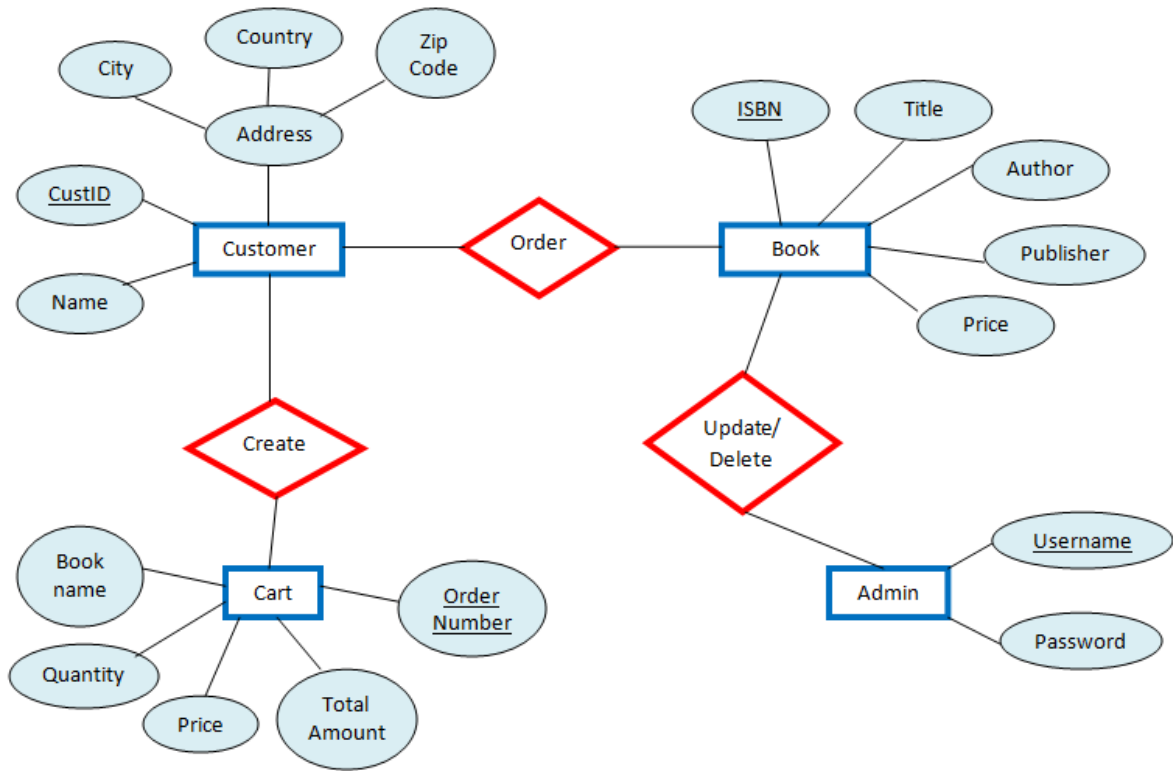
FLOW:

This project contains the following modules that can be explored by the customers:

- List of Publishers
- Book Catalogue
- Purchase Books
- Add to Cart
- Fill Up Customer Information
- Fill Up Payment Details
- Payment Confirmation
- Contact Us

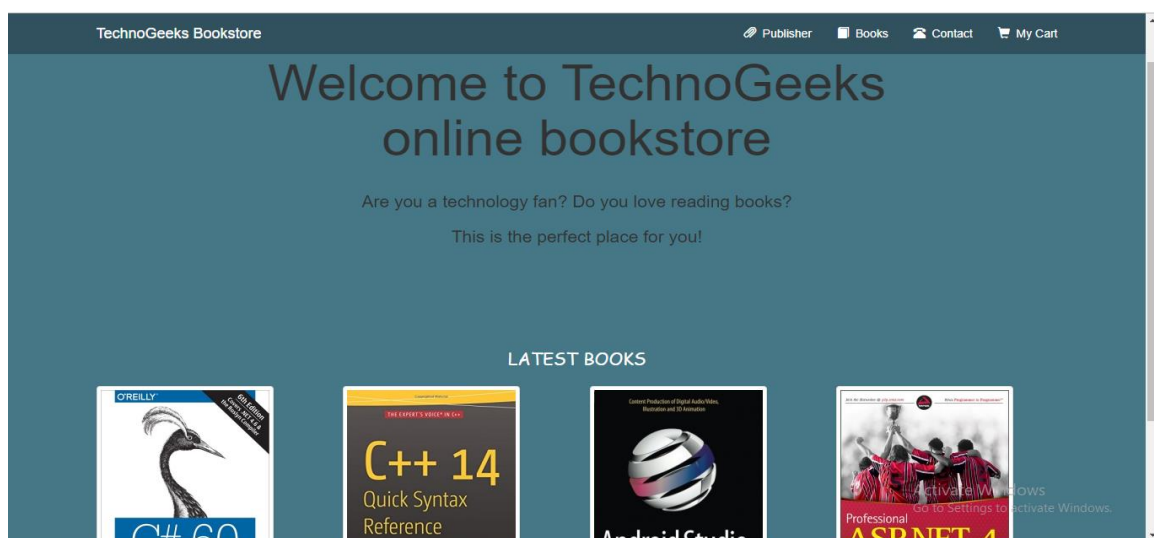
The admin can update or delete books and their information as desired.

Entity Relationship Diagram:

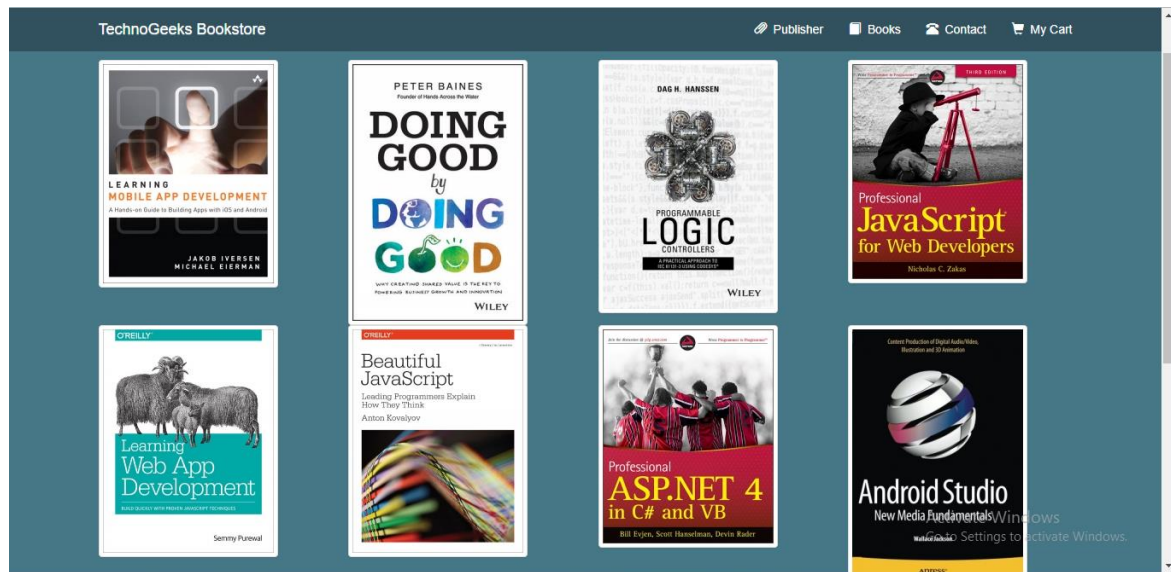


SCREENSHOTS OF THE PROJECT:

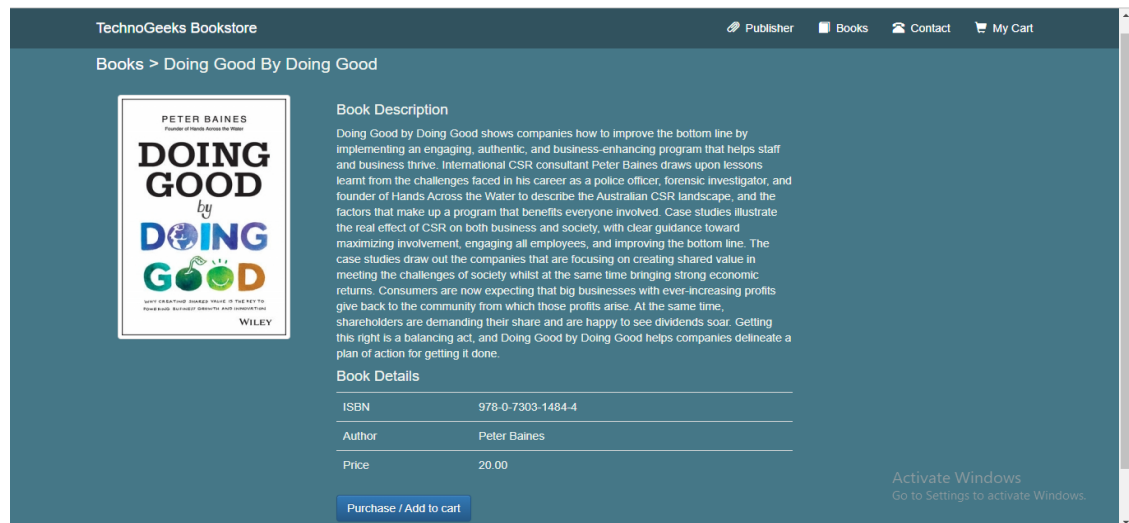
- **Homepage:**



- **Book Catalogue**



- **Book Information**



- **Cart**



- **Checkout**

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