BOOKBREEZE-EMPORIUM

A Project Report

submitted in partial fulfillment of the requirements

of

Applied Cloud Computing with software development

by

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Name of Guide

Mrs.R.Umamaheshwari.

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ABSTRACT

This project introduces the technologies used in the building of an online bookshop website and describes the functional structure of the system using a function diagram. The front-end system handles user login and registration, commodity display, shopping cart management, and other module operations. The backend manages users, keeps track of book sales history, adds and manages books, handles orders, and performs other module activities. Through application of the Online-bookstores website, users can buy books online, which solves the problem that users are busy and have no time to shop in physical bookstores.

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CHAPTER 1

INTRODUCTION

This project introduces the technologies used in the building of an online bookshop website and describes the functional structure of the system using a function diagram. The front-end system handles user login and registration, commodity display, shopping cart management, and other module operations. The backend manages users, keeps track of book sales history, adds and manages books, handles orders, and performs other module activities. Through application of the Online-bookstores website, users can buy books online, which solves the problem that users are busy and have no time to shop in physical bookstores.

1.1 Problem Statement:

Customer complaints about delayed delivery, incorrect book recommendations, and improper order processing are on the rise at the online bookshop, which is having a negative impact on customer satisfaction and retention rates.

1.1 Problem Definition:

The online book store project aims to create a web-based platform that facilitates the purchase and sale of books over the internet. The system will enable users to browse through a comprehensive catalog of books, place orders online, and have the books delivered to their doorstep. Book retailers will benefit from a broader customer reach, while customers will enjoy the convenience of browsing and purchasing books from the comfort of their homes.

1.2 Expected Outcome:

- Increased Accessibility: The online platform will enable customers to access a wide range of books from anywhere, at any time.
- Expanded Market Reach: Book retailers will have the opportunity to reach a global audience, increasing their market presence.
- Convenience for Customers: Users will experience a convenient and hassle-free book shopping experience with the ability to browse, select, and purchase books online.

CHAPTER 2

LITERATURE SURVEY

Introduction:

The literature survey for the online book store project aims to provide a comprehensive overview of existing research and scholarly works related to e-commerce, online book retail, web development technologies, secure online transactions, and user feedback mechanisms. This review is crucial for informing the design and implementation of the online book store, ensuring it aligns with industry best practices and user expectations.

Evolution of E-Commerce:

The evolution of e-commerce has witnessed shifts from basic online catalogs to sophisticated platforms with integrated payment gateways and personalized user experiences.

Trends in Online Retail:

Trends include the rise of mobile commerce, the importance of omnichannel strategies, and the increasing role of artificial intelligence in enhancing the customer journey.

Emerging Technologies:

Artificial intelligence contributes to personalized recommendations, chatbots for customer support, and data-driven decision-making

CHAPTER 3

PROPOSED METHODOLOGY

3.1 System Design

Components:

Home page

Book catalog

User profile

Shopping cart

3.2 Modules Used:

3.2.1: Home Page

Home page is the Index Page of this website. Here there are two navigation, LOGIN and REGISTER .

3.2.2: Login Page

Login Page has two Buttons, ADMIN LOGIN and USER LOGIN. By using credentials both Admin and User can access the Page.

3.2.3: Register Page

New User can register in Register Page By giving their credentials. Later they can get Access to view page.

3.2.4: Admin Page

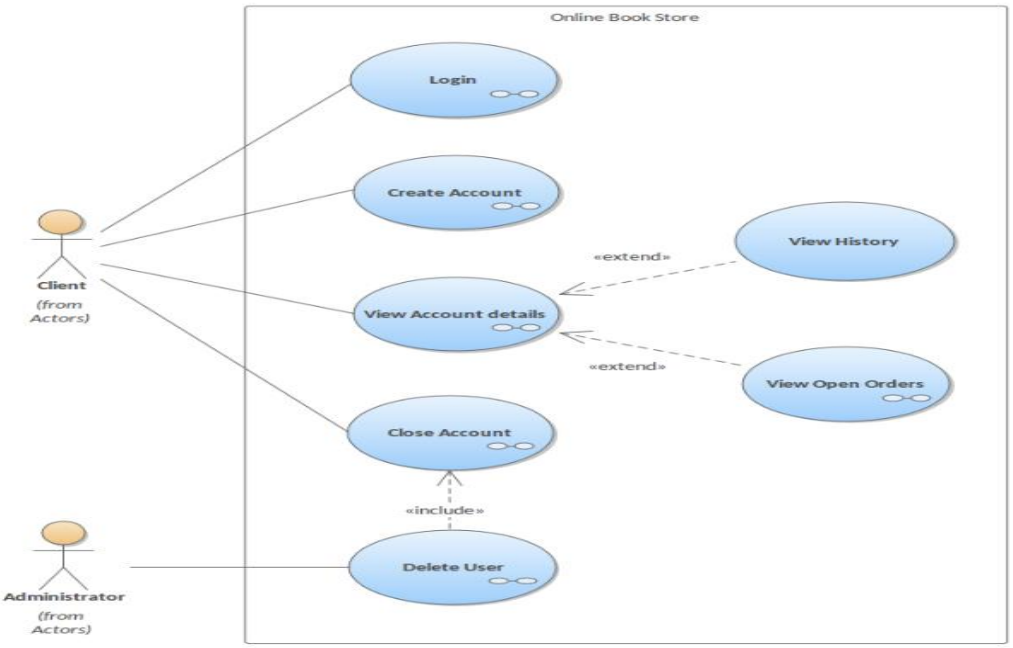
In Admin Page , there are two navigations, STORE BOOKS and ADD BOOKS. Admin can update the book details in Admin Page.

3.2.5: User Page

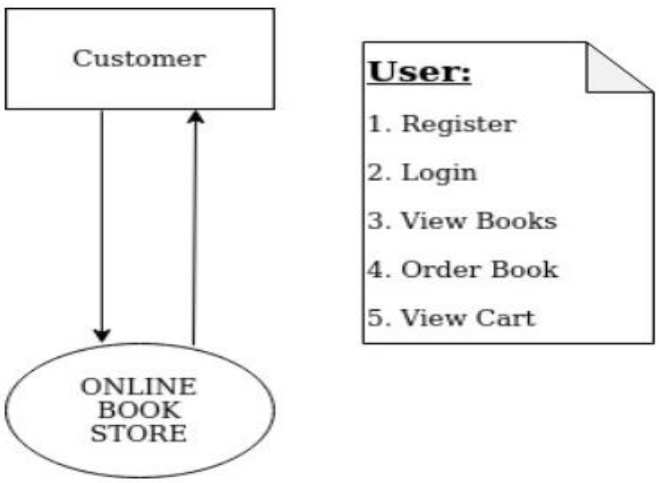
In User Page, there are two navigations, AVAILABLE BOOKS and CART.User can view book detsils and they can add to cart ,proceed to PAYMENT.

3.3 Data Flow Diagram

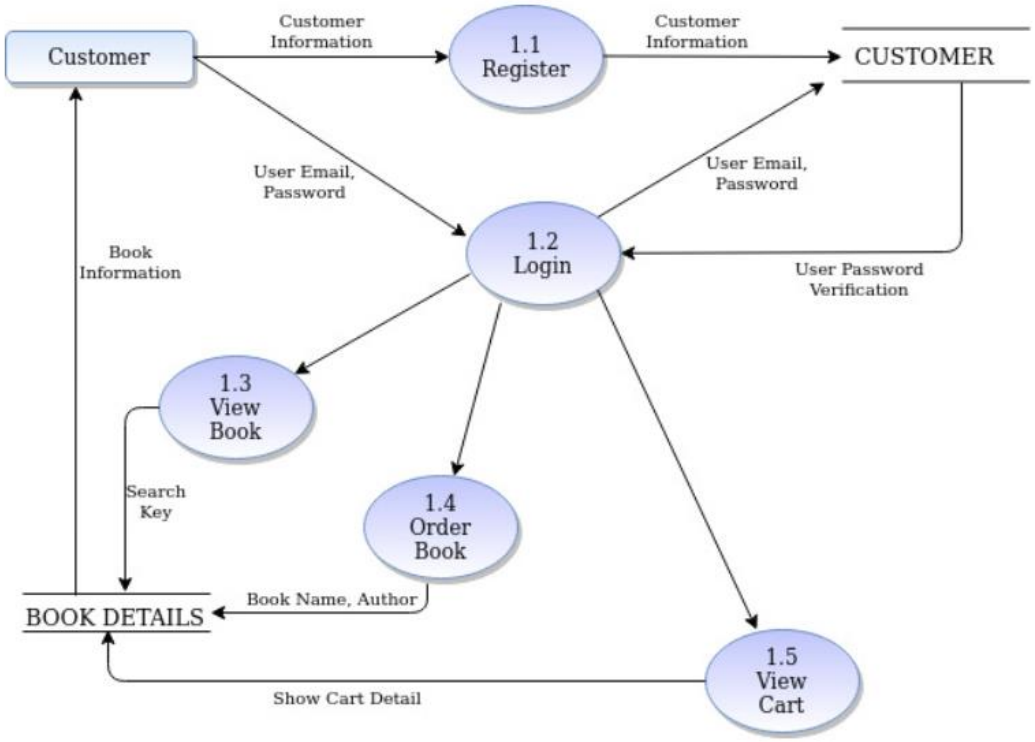
A Data Flow Diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD is often used as a preliminary step to create an overview of the system, which can later be elaborated. DFDs can also be used for the visualization of data processing (structured design).



3.3.1. DFD Level 0 :



3.3.2 DFD Level 1:



3.4 Advantages:

- Users can browse, select, and purchase books from the comfort of their homes, saving time and effort compared to traditional brick-and-mortar bookstores. The convenience of online shopping is a significant advantage for busy individuals.

- The inclusion of user feedback mechanisms, continuous monitoring, and regular updates enable continuous improvement. The online book store can evolve based on user preferences, technological advancements, and industry trends.

3.5 Requirement Specification

3.5.1. Hardware Requirements:

- Windows 10.

Software Requirements:

- Front-End Tech: HTML, CSS, JS
- Back-End Tech: JAVA
- Database: MYSQL.

CHAPTER 4

IMPLEMENTATION AND RESULT

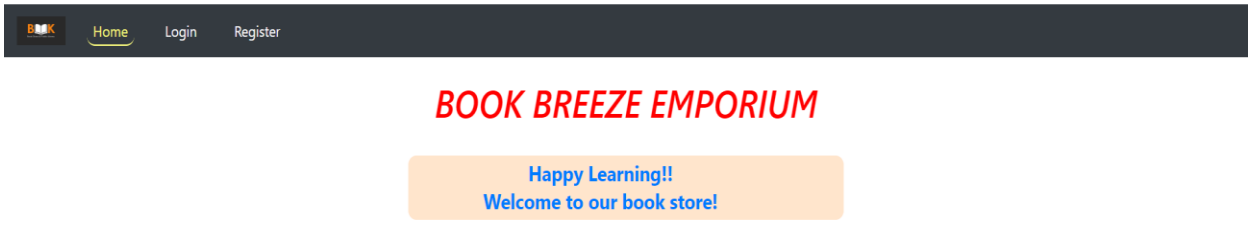
IMPLEMENTATION:

BOOKBREEZE-EMPORIUM :Implemented using html, css, java servlets pages, mysql db and eclipse ide , this Website provides user login and registration, commodity display, shopping cart, library management, order management, information management and other modules functions.

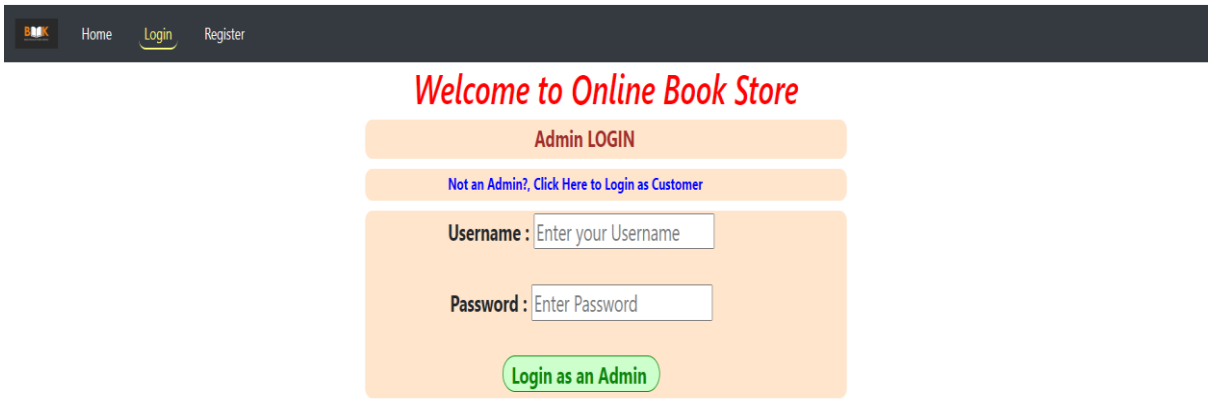
Its is to create a user-friendly and efficient platform that provides a seamless experience for customers to browse, search, and purchase a wide range of books online.

RESULT:

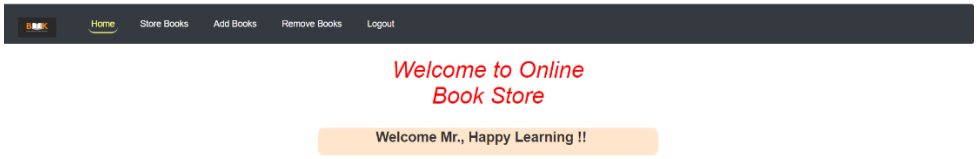
Home Page:



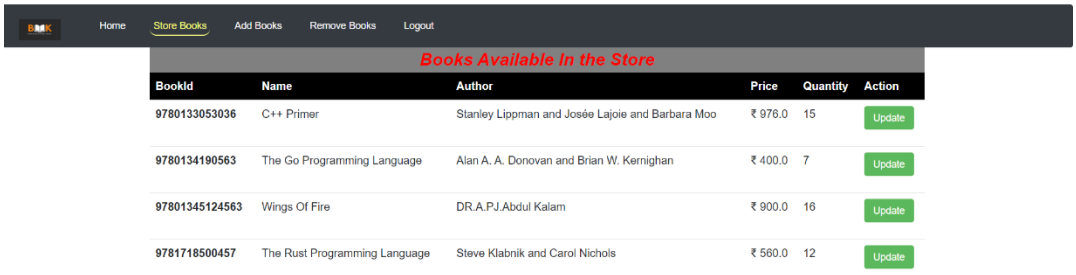
Admin Login:



Admin Page:

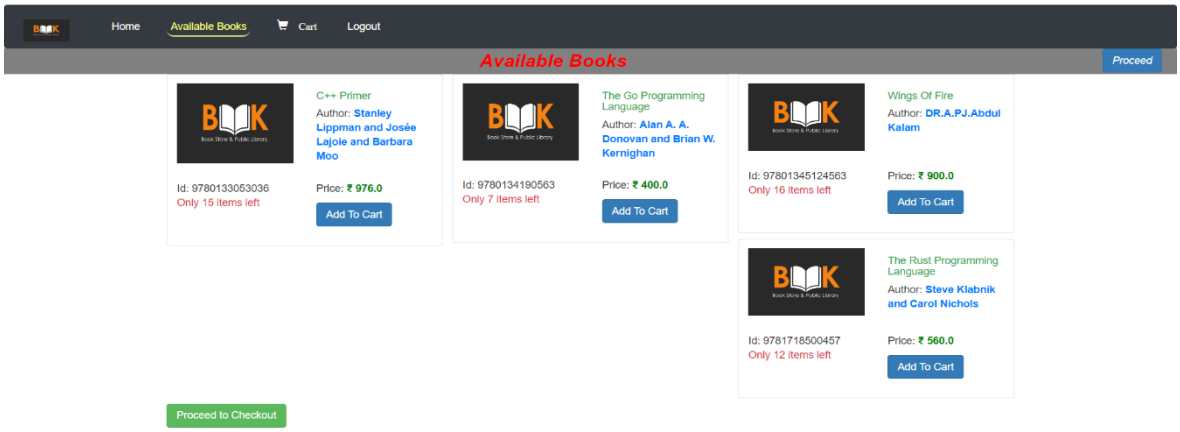


Store Books:

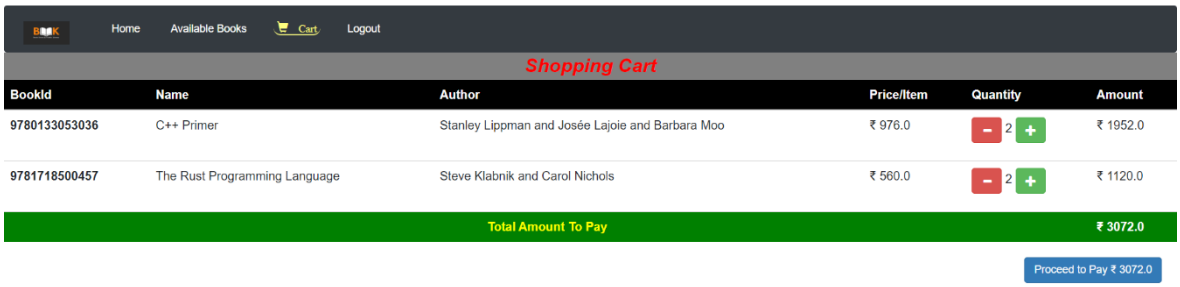


User Login:

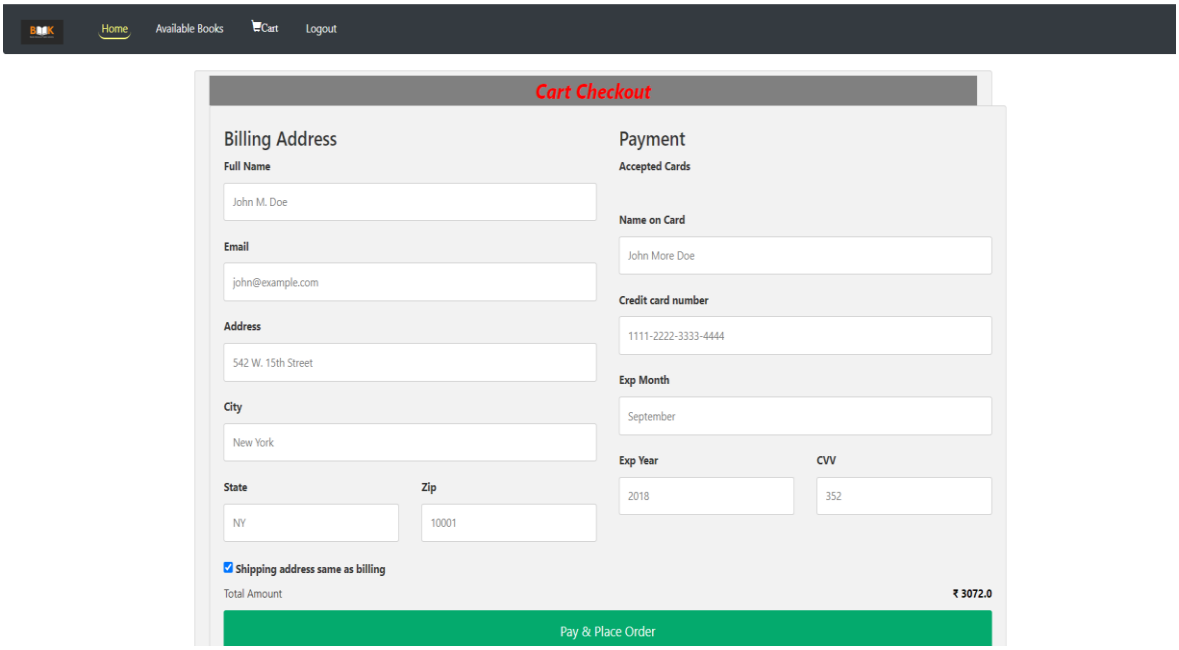
User Page:



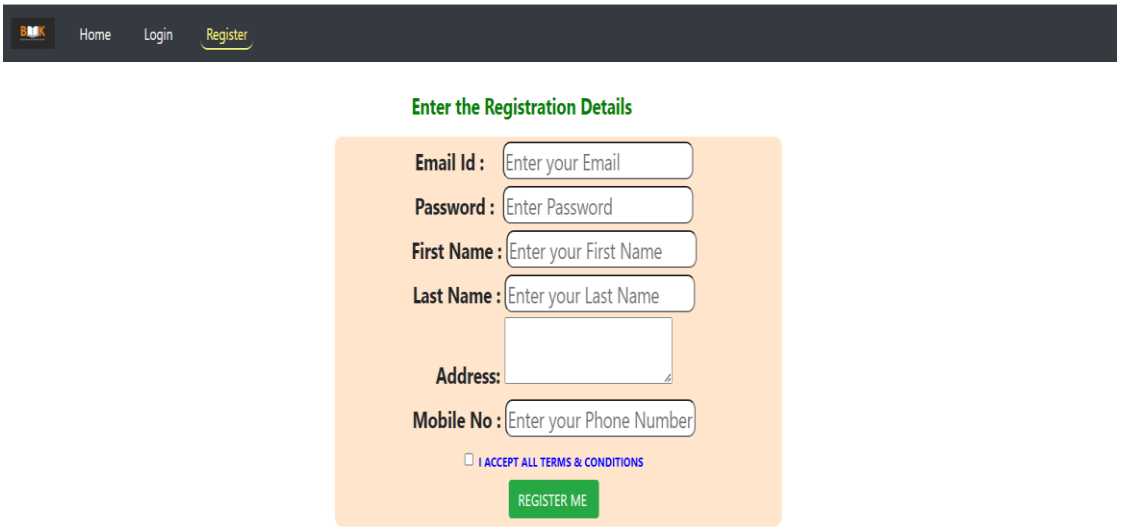
Cart:



Payment Page:



Register Page:



CHAPTER 5

CONCLUSION

The online bookstore project success relies heavily on meeting customer expectations and satisfaction. However, recent challenges with delayed deliveries, inaccurate recommendations, and order processing errors have negatively impacted user experiences, leading to increased complaints and lowered retention rates. To counter these issues, immediate attention to enhancing delivery efficiency, refining recommendation algorithms, and optimizing order processing is crucial. Implementing solutions for timely deliveries, upgrading recommendation systems for personalized and accurate suggestions, and streamlining backend processes are pivotal steps. By prioritizing these aspects, the bookstore can rectify current shortcomings, boost customer satisfaction, and foster loyalty in a competitive online market.

SCOPE:

The future scope for an online Book Store project can involve several enhancements and expansions to meet evolving customer needs and technological advancements.

Implementing blockchain technology can enhance security by ensuring secure transactions and protecting user data.

Integrating AI-powered chatbots can significantly improve customer support.

These chatbots can assist users in finding books, provide real-time order updates, and offer personalized recommendations.

GITHUB LINK: **https://github.com/athirshdalakshmi/BookBreeze-Emporium**

VIDEO LINK: **https://drive.google.com/file/d/1-hsD0-95Mp0-1SikVE1M2rZ1gMXr7f1_/view?usp=drive_link**

REFERENCES

Kun Qian. "Online Bookstore Management System Based on JSP." Science & Technology Vision, 2015, vol. 18, pp.126-127.

APPENDIX

SAMPLE CODE:

INDEX.HTML:

```
<html>
<head>
<meta charset="ISO-8859-1">
<title>Book Store</title>
<link rel="apple-touch-icon" sizes="180x180"
        href="./favicons/apple-touch-icon.png">
<link rel="icon" type="image/png" sizes="32x32"
        href="./favicons/favicon-32x32.png">
<link rel="icon" type="image/png" sizes="16x16"
        href="./favicons/favicon-16x16.png">
<link rel="manifest" href="./favicons/site.webmanifest">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.4.1/dist/css/bootstrap.min.css" >
<link rel="stylesheet" href="styles.css">

</head>
<body onload="funload()">
        <header>
                <nav class="navbar navbar-expand-sm bg-dark">
                        <a class="navbar-brand">
                                <!-- The below line can be an image or a h1, either
will work -->
                                <img src="logo.png" alt="Google logo" width="60"
height="30px">
                        </a>
```

```
                    <button style="background-color:white;" class="navbar-
toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-
controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">

                        <span class="navbar-toggler-icon" ></span>

                    </button>


            <div class="collapse navbar-collapse" id="navbarNav">

                    <ul class="navbar-nav" >

                        <li class="nav-item"><span><a class="nav-link
active" href="index.html">Home</a></span></li>

                        <li class="nav-item "><span><a class="nav-link"
href="CustomerLogin.html">Login</a></span></li>

                        <li class="nav-item "><span><a class="nav-link"
href="CustomerRegister.html">Register</a></span></li>

                    </ul>

                    </div>

                </nav>

        </header>

        <br>

        <div id="topmid"><h1>Welcome to Online <br>Book Store</h1></div>

        <br>

        <table class="tab">

            <tr>

                <td><a href="index.html" id="happy">Happy
Learning!!<br>Welcome to our book store!</a></td>

            </tr>

        </table>


        <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" ></script>

        <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.6/dist/umd/popper.min.js"
></script>
```

```
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.2.1/dist/js/bootstrap.min.js"></script>
        <script>
                // Preloder script
                var tmp = document.getElementById("loding");
                function funload() {
                  loding.style.display = "none";
                }
          </script>


</body>
</html>
```

LOGIN.HTML:

```
  <html>
<head>
<meta charset="ISO-8859-1">
<title>Book Store</title>
<link rel="apple-touch-icon" sizes="180x180"
        href="./favicons/apple-touch-icon.png">
<link rel="icon" type="image/png" sizes="32x32"
        href="./favicons/favicon-32x32.png">
<link rel="icon" type="image/png" sizes="16x16"
        href="./favicons/favicon-16x16.png">
<link rel="manifest" href="./favicons/site.webmanifest">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.4.1/dist/css/bootstrap.min.css" >
<link rel="stylesheet" href="styles.css">
```

```
</head>
<body onload="funload()">
	<header>
		<nav class="navbar navbar-expand-sm bg-dark">
			<a class="navbar-brand">
				<!-- The below line can be an image or a h1, either will work -->
				<img src="logo.png" alt="Google logo" width="60" height="30px">
			</a>

			<button style="background-color:white;" class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
			  <span class="navbar-toggler-icon"></span>
			 </button>

		  <div class="collapse navbar-collapse" id="navbarNav">
			<ul class="navbar-nav" >
				<li class="nav-item"><span><a class="nav-link" href="index.html">Home</a></span></li>
				<li class="nav-item "><span><a class="nav-link active" href="login.html">Login</a></span></li>
				<li class="nav-item "><span><a class="nav-link" href="CustomerRegister.html">Register</a></span></li>
			</ul>
			</div>
		</nav>
	</header>
	<div id="topmid"><h1>Welcome to Online Book Store</h1></div>
	<br>
	<table class="tab">
```

```
                <tr style="background-color: white; color: green; border-radius: 25%">
                        <td>Login or SignUp Below</td>
                </tr>
                <tr>
                        <td><a href="SellerLogin.html">Login As Admin</a></td>
                </tr>

                <tr>
                        <td><a href="CustomerLogin.html"> Login As<span>
Customer</span></a></td>
                </tr>
                <tr>
                        <td><a href="CustomerRegister.html">New user ! Register
Here</a></td>
                </tr>
        </table>
   <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" ></script>
        <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.6/dist/umd/popper.min.js"
></script>
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.2.1/dist/js/bootstrap.min.js"></script>
        <script>
                // Preloder script
                var tmp = document.getElementById("loding");
                function funload() {
                  loding.style.display = "none";
                }
          </script>

</body>
```

```
</html>
```

STYLES.CSS:

```
* {
        box-sizing: border-box;
 }

body {
        background-image: url("Photo.jpg");
        font-family: 'Segoe UI','Open Sans', 'Helvetica Neue', sans-serif;
}

#topmid {
        border: 0px solid black;
        color:red;
        text-align: center;
        font-weight: bold;
        margin: auto;
        font-style: oblique;
        font-size: 25px;

}

.tab {
        font-weight: bold;
        margin: auto;
        width:35%;
        text-align:center;
}
```

```
.tab tr {
        border: 1px black hidden;
        border-radius: 10px;
        background-color: #FFE5CC;
        font-size: 22px;
        float:left;
        padding-left:17%;
        padding-bottom:5px;
        padding-top:2px;
        margin-bottom:10px;
        width:100%;
}

a:hover {
        color: red;
}

a:link {
        color: black;
        text-decoration: none;
}

header  nav li :hover{
        border-bottom: 2px #ffff80 solid;
        border-radius: 10px;
        color: #ffff80;
        padding-bottom:2px;
}
```

```
header  nav li{
    display: table;
    height: 80%;
    float: left;
    margin-right: 20px;
        padding-left: 10px;

}

header  nav a{
    color: #ffffff;
}

header nav li a.active {
        border-bottom: 2px #ffff80 solid;
        border-radius: 10px;
        color: #ffff80;
        padding-bottom:2px;
}


.holds-the-iframe {
        background: url(loader.gif) center center no-repeat;
}
```