Experiment 2: Designing Static Web Pages for an Online Bookstore

Objective

Design three static web pages for an online bookstore. The pages include:

1. **Home Page**
2. **Login Page**
3. **Catalogue Page**

Each page is designed using HTML and contains the necessary elements and layout, organized within three frames.

Brief Theory

In this experiment, the following important HTML tags are utilized:

1. `<form>` Tag

- Used to create the **login page**.
- This tag structures a form where users can input their credentials, such as username and password.

Example:

```
<form action="/submit_login" method="post">
  <label for="username">Username:</label>
  <input type="text" id="username" name="username"><br><br>
  <label for="password">Password:</label>
  <input type="password" id="password" name="password"><br><br>
  <input type="submit" value="Login">
</form>
```

2. `<a>` Tag

- Used to create **links** between the home, login, and catalogue pages.
- This tag helps users navigate from one page to another.

Example:

```
<a href="login.html">Login</a>
<a href="catalogue.html">Catalogue</a>
```

3. `<img>` Tag

- Used to add **images** to the webpage, such as book covers, logos, or banners.

Example:

```
<img src="book_cover.jpg" alt="Book Cover" width="200" height="300">
```

Structure

The project structure includes:

- `index.html` (Home Page)
- `login.html` (Login Page)
- `catalogue.html` (Catalogue Page)
- CSS files for styling (optional)
- Images folder for storing image assets

This experiment provides an introduction to creating a multi-page static website with a simple navigation system using HTML.

Web Workshop [College LAB]\Exp2&3&4\index.html

```
 1  <!DOCTYPE html>
 2  <html lang="en">
 3  <head>
 4      <title>Online Book Store</title>
 5      <style>
 6          body {
 7              font-family: Arial, sans-serif;
 8              margin: 0;
 9              padding: 0;
10              background-color: #f0f0f0;
11              background-image: url('https://images7.alphacoders.com/895/thumb-1920-
    895992.jpg');
12              background-size: cover;
13              background-repeat: no-repeat;
14
15          }
16          body::before {
17              content: "";
18              position: absolute;
19              top: 0;
20              left: 0;
21              right: 0;
22              bottom: 0;
23              background: rgba(0, 0, 0, 0.5); /* Semi-transparent black overlay (change
    opacity as needed) */
24              z-index: -1; /* Keeps the overlay behind the content */
25          }
26          /* Tab Menu */
27          .tab-menu {
28              display: flex;
29              flex-direction: row; /* Align buttons horizontally */
30              justify-content: center; /* Center-align buttons */
31              align-items: center;    /* Center-align contents */
32              background-color: #333;
33              padding: 20px;          /* Add padding to detach from corners */
34              margin: 20px;           /* Add margin to detach from surrounding content */
35              border-radius: 10px;    /* Round corners */
36              box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2); /* Add a shadow for depth */
37          }
38
39          .tab-menu h1 {
40              color: white;
41              margin-bottom: 20px;    /* Space between title and buttons */
42          }
43
44          .tab-menu button {
45              background-color: #333;
46              color: white;
47              padding: 14px 20px;
48              border: none;
49              cursor: pointer;
50              transition: background-color 0.3s, transform 0.3s; /* Added transform for
    hover */
51          }
52
53          .tab-menu button:hover {
54              background-color: #555;
55              transform: scale(1.05); /* Slightly enlarge button on hover */
56          }
57
58          .tab-menu button.active {
59              background-color: #555;
60          }
```

```
61
62
63              /* Tab Content */
64              .tab-content {
65                  display: none;
66                  padding: 20px;
67                  background-color: white;
68              }
69
70              .tab-content.active {
71                  display: block;
72              }
73
74              /* General Styling */
75              h1 {
76                  color: #333;
77              }
78
79              /* Book Catalogue Styling */
80              table {
81                  width: 100%;
82                  border-collapse: collapse;
83                  margin-top: 20px;
84              }
85
86              th, td {
87                  text-align: left;
88                  padding: 10px;
89              }
90
91              th {
92                  background-color: #f2f2f2;
93              }
94
95              td img {
96                  display: block;
97                  margin: 0 auto;
98              }
99
100             .book-rating {
101                 color: gold;
102             }
103
104         </style>
105     </head>
106     <body>
107
108     <!-- Tab Menu -->
109     <div class="tab-menu">
110         <button class="tablink" onclick="openTab(event, 'Home')"
        id="defaultTab">Home</button>
111         <button class="tablink" onclick="openTab(event, 'Login')">Login</button>
112         <button class="tablink" onclick="openTab(event, 'Catalogue')">Catalogue</button>
113     </div>
114
115     <!-- Tab Content: Home -->
116     <div id="Home" class="tab-content">
117         <h1>Welcome to the Online Bookstore</h1>
118         <p>Your one-stop shop for a wide selection of books. Feel free to browse through
        our catalogue or log in to make a purchase.</p>
119     </div>
120
121     <!-- Tab Content: Login -->
122     <div id="Login" class="tab-content">
123         <h1>Login to Your Account</h1>
```

```
124        <form action="#" method="POST">
125            <label for="username">Username:</label><br>
126            <input type="text" id="username" name="username"><br><br>
127            <label for="password">Password:</label><br>
128            <input type="password" id="password" name="password"><br><br>
129            <input type="submit" value="Login">
130        </form>
131    </div>
132
133    <!-- Tab Content: Catalogue -->
134    <div id="Catalogue" class="tab-content">
135        <h1>Our Book Catalogue</h1>
136
137        <table border="1" cellpadding="10" cellspacing="0">
138            <thead>
139                <tr>
140                    <th>Book Cover</th>
141                    <th>Title</th>
142                    <th>Price</th>
143                    <th>Rating</th>
144                </tr>
145            </thead>
146            <tbody>
147                <tr>
148                    <td><img src="https://m.media-
    amazon.com/images/I/61YRfQplFjL._AC_UF1000,1000_QL80_.jpg" alt="Let Us C" width="100">
    </td>
149                    <td>Let Us C</td>
150                    <td>₹365</td>
151                    <td><span class="book-rating">★★★☆☆</span></td>
152                </tr>
153                <tr>
154                    <td><img src="https://images-na.ssl-images-
    amazon.com/images/P/938605230X.01.LZZZZZZZ.jpg" alt="Core Python Programming"
    width="100"></td>
155                    <td>Core Python Programming</td>
156                    <td>₹1,475</td>
157                    <td><span class="book-rating">★★★★☆</span></td>
158                </tr>
159                <tr>
160                    <td><img src="https://m.media-
    amazon.com/images/I/41OksZQYt+L._SY445_SX342_.jpg" alt="HOW TO WIN FRIENDS AND
    INFLUENCE PEOPLE" width="100"></td>
161                    <td>HOW TO WIN FRIENDS AND INFLUENCE PEOPLE</td>
162                    <td>₹164</td>
163                    <td><span class="book-rating">★★★★★</span></td>
164                </tr>
165            </tbody>
166        </table>
167    </div>
168
169
170    <script>
171        // Function to handle the tab switching
172        function openTab(evt, tabName) {
173            var i, tabcontent, tablinks;
174
175            // Get all elements with the class "tab-content" (the content for each tab)
176            tabcontent = document.getElementsByClassName("tab-content");
177
178            // Hide all tab content by setting display to "none"
179            for (i = 0; i < tabcontent.length; i++) {
180                tabcontent[i].style.display = "none";
181            }
182
183            // Get all elements with the class "tablink" (the buttons for each tab)
```

```
184            tablinks = document.getElementsByClassName("tablink");
185
186            // Remove the "active" class from all tab links
187            for (i = 0; i < tablinks.length; i++) {
188                tablinks[i].className = tablinks[i].className.replace(" active", "");
189            }
190
191            // Show the current tab's content by setting display to "block"
192            document.getElementById(tabName).style.display = "block";
193
194            // Add the "active" class to the clicked tab link to highlight it
195            evt.currentTarget.className += " active";
196        }
197
198        // Set the default tab to Home by simulating a click on the default tab button
199        document.getElementById("defaultTab").click();
200    </script>
201
202
203  </body>
204  </html>
205
```

Home   Login   Catalogue

Welcome to the Online Bookstore

Your one-stop shop for a wide selection of books. Feel free to browse through our catalogue or log in to make a purchase.
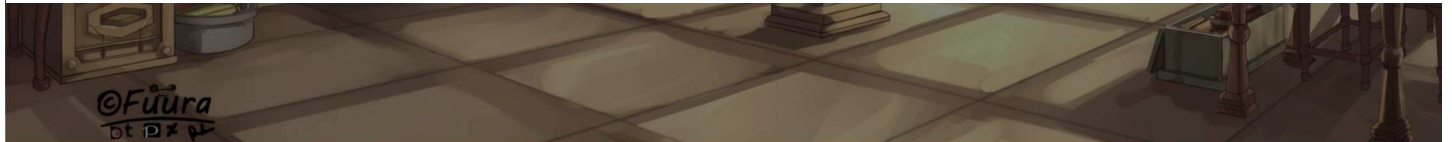
Home   Login   Catalogue

Login to Your Account

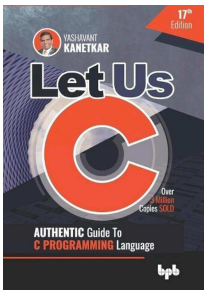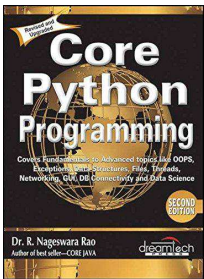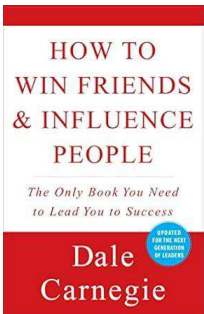Username:

Password:

Login

Our Book Catalogue

Book Cover	Title	Price	Rating
	Let Us C	₹365	★★★☆☆
	Core Python Programming	₹1,475	★★★★☆
	HOW TO WIN FRIENDS AND INFLUENCE PEOPLE	₹164	★★★★★