

# Final Report: Online Book Store

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**Abstract**—The main objective of the project is to create an online book store that allows users to search and purchase a book online based on title, author and subject. The selected books are displayed and the user can order their books online through credit card payment. Using this Website the user can purchase a book online instead of going out to a book store and wasting time.

**Index Terms**—ONLINE BOOK STORE,HTML,CSS

## I. INTRODUCTION

Online Book store is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using credit card transaction. The user can login using his account details or new customers can set up an account very quickly. They should give the details of their name, contact number and shipping address. The books are divided into many categories based on subject Like Software, Database, English, Architecture etc.

The Online book store is a project that aims in developing a online system to maintain all the daily work of online shopping. This system will include features like user management, book management and many more.

## II. LITERATURE REVIEW

The physical book stores are being replaced by online stores very rapidly. This is due to the advantages online stores have over traditional stores. Chih-Peng Chu has discussed the differences between online stores and physical stores in his article (Chu, Guo & Lai, 2012). Yunkai Zhai's article describes online book stores as revolution for book industry (Zhai & Lu, 2017).

## III. PROPOSED METHODOLOGY

The proposed system will provide a complete online book store.

### A. Background of the Project:

Generally, a bookstore application is a database system which has the capabilities of storing and retrieving information about books, customers, and orders. we are considering to develop a sample centralized relational Bookstore application

database for the clerks and managers at a book store. But, Now We implement only Book store graphic user interface in this project. It will include a user-friendly Front End that will help the admin and users to interact with the system easily.

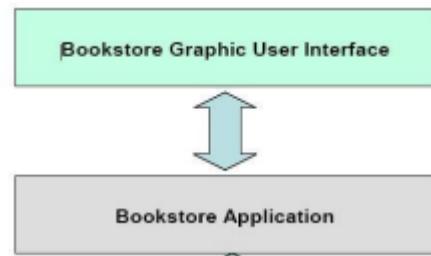


Fig. 1. Idea of a Project.

In this project, a number of development tools would be used to complete this project. They are listed as follow.

**HTML:** HTML is the code that is used to structure a web page and its content. HTML is used to specify whether a web content should be recognized as a paragraph, list, heading, link, image, multimedia player, form, or one of many other available elements, or even a new element that you define. It is the globally accepted programming language for formatting web pages. It is mostly used by small and medium scale businesses that do not really need advanced functionality on their websites. HTML is free, supports all browsers on the client's machine, easy to use and understand hence, the choice in building the structure of our web pages.

**CSS:** CSS is a style sheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media. CSS is one of the core languages of the open web and is standardized across browsers according to the World Wide Web Consortium specification.

*B. This Project has the following functionalities:*

**1) A Home page with product catalog:** This is the page where the user will be navigated after a successful login. It will display all the book categories and will have a search keyword option to search for the required book. It also includes some special sections like summer challenge, summer deal.

**2) Search:** A search by keyword option is provided to the user using a textbox .The keyword to be entered should be the book title.

**3) Advanced Search:** Advanced search helps the user to search for a book based on Title, Author, Category and price range. All the books which match the particular search criteria and their total count will be displayed .From here the user can select a book and add to the shopping cart.

**4) Book Description:** If the user would like to know details about a book he can click on the title from where he will be directed to a Book description page. It includes the notes on the book content and also a link to Amazon.com to get the more book review.

**5) Shopping Cart:** The user can manage a shopping cart which will include all the books he selected. The user can edit, delete and update his shopping cart. A final shopping cart summary is displayed which includes all the items the user selected and the final total cost.

**6) Managing user accounts:** Each user should have an account to access all the functionalities of website. User can login using login page and logout using the logout page. All the user sessions will be saved in the database.

**7) Administration:** The Administrator will be provided with special functionalities like

- Add or delete a book category
- Add or delete a member
- Manage member orders.
- Add or delete a Credit Card type.

*C. Main Requirements:*

The Main Requirements include Microsoft Visual Studio. Chrome and Mozilla as a main web browser to run this project.

D. All Screen Shot for Code and Output:

```

1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>ONLINE BOOK STORE</title>
8       <link rel="stylesheet" href="style.css">
9   </head>
10  <body>
11      <div class="header">
12          <div class="container">
13              <nav>
14                  <label class="logo">বইঘৰ</label>
15                  <ul>
16                      <li><a href="">Home</a></li>
17                      <li><a href="products.html">Products</a></li>
18                      <li><a href="about.html">About</a></li>
19                      <li><a href="login.html">Account</a></li>
20                      <a href="cart.html"></a>
21                  </ul>
22              </nav>
23          </div>
24      </div>
25      <div class="row">
26          <div class="col-2">
27              <h1>
28                  Harry Potter and<br>the Philosopher's Stone</h1>
29                  <p>Harry Potter thinks he is an ordinary boy until he is rescued by an owl, taken to Hogwarts School of
30                  <a href="" class="btn">Buy Now &#8594;</a>
31              </div>
32

```

Fig. 2. Home page code.

```

33      <div class="col-2">
34          
35      </div>
36  </div>
37  </div>
38
39  <!--featured-->
40  <div class="categories">
41      <div class="small-container">
42          <div class="row">
43              <div class="col-3">
44                  
45              </div>
46              <div class="col-3">
47                  
48              </div>
49              <div class="col-3">
50                  
51              </div>
52      </div>
53  </div>
54  </div>
55  <!--featured products-->
56  <div class="small-container">
57      <h2 class="title">বাংলা সমাহার</h2>
58      <div class="row">
59          <div class="col-4">
60              
61              <h4>হিমু সমগ্র</h4>
62              <p>Price:250.00Tk</p>
63          </div>

```

Fig. 3. Home page code.

```

64   <div class="col-4">
65     <a href="pro-details.html"> </a>
66     <h4>দেয়াল</h4>
67     <p>Price:350.00Tk</p>
68   </div>
69   <div class="col-4">
70     
71     <h4>লীলাবতীর মৃত্যু</h4>
72     <p>Price:400.00Tk</p>
73   </div>
74   <div class="col-4">
75     
76     <h4>ফেরা</h4>
77     <p>Price:350.00Tk</p>
78   </div>
79 </div>
80
81 <h2 class="title">PICKS OF THE MONTH</h2>
82 <div class="row">
83   <div class="col-4">
84     
85     <h4>সহজ ক্যালকুলাস</h4>
86     <p>Price:250.00Tk</p>
87   </div>
88   <div class="col-4">
89     
90     <h4>Cat Problems</h4>
91     <p>Price:350.00Tk</p>
92   </div>

```

Fig. 4. Home page code.

```

93   <div class="col-4">
94     
95     <h4>সেরিনা</h4>
96     <p>Price:400.00Tk</p>
97   </div>
98   <div class="col-4">
99     
100    <h4>Afterparties</h4>
101    <p>Price:350.00Tk</p>
102  </div>
103 </div>
104 <h2 class="title">BEST SELLERS</h2>
105 <div class="row">
106   <div class="col-4">
107     
108     <h4>A Childrens Bible</h4>
109     <p>Price:250.00Tk</p>
110   </div>
111   <div class="col-4">
112     
113     <h4>ইস্টিশন</h4>
114     <p>Price:350.00Tk</p>
115   </div>
116   <div class="col-4">
117     
118     <h4>The Color Of Air</h4>
119     <p>Price:350.00Tk</p>
120   </div>
121   <div class="col-4">
122     
123     <h4>ধিরি অফ রিলেটিভিটি</h4>
124     <p>Price:350.00Tk</p>
125   </div>

```

Fig. 5. Home page code.

```

126 <div class="col-4">
127   
128   <h4>ঝাকহোলের বাজা</h4>
129   <p>Price:350.00Tk</p>
130 </div>
131 <div class="col-4">
132   
133   <h4>The Hummingbirds Gift</h4>
134   <p>Price:350.00Tk</p>
135 </div>
136
137 <div class="col-4">
138   
139   <h4>How The Word Is Passed</h4>
140   <p>Price:400.00Tk</p>
141 </div>
142 <div class="col-4">
143   
144   <h4>Four Friends</h4>
145   <p>Price:350.00Tk</p>
146 </div>
147 </div>
148 </div>
149
150 <!--summer deal-->
151 <div class="see">
152   <div class="col-5">
153     <h1>SUMMER READING<br>CHALLENGE</h1>
154
155     <a href="" class="btn-1">See All &#8594;</a>
156   </div>

```

Fig. 6. Home page code.

```

162 <!-- offer -->
163 <div class="see">
164   <div class="col-5">
165     <h1>SUMMER DEALS<br>20% OFF</h1>
166
167     <a href="" class="btn-1">Buy Now &#8594;</a>
168   </div>
169   <div class="col-5">
170     
171   </div>
172 </div>
173 <!-- footer -->
174 <div class="footer">
175   <div class="container">
176     <div class="row">
177       <div class="footer-col-1">
178         <h3>STAY CONNECTED</h3>
179         <p>Keep up on the best new books, timely features, and special offers.</p>
180       </div>
181       <div class="footer-col-2">
182         <h3>HELP</h3>
183         <ul>
184           <li>Contract Us</li>
185           <li>Blog Post</li>
186           <li>Return Policy</li>
187           <li>Terms</li>
188           <li>Feedback</li>
189         </ul>
190       </div>
191       <div class="footer-col-3">
192         <h3>FOLLOW US</h3>

```

Fig. 7. Home page code.

```

192 |         <div class="footer-col-3">
193 |             <h3>FOLLOW US</h3>
194 |             <ul>
195 |                 <li>Facebook</li>
196 |                 <li>Twitter</li>
197 |                 <li>Instagram</li>
198 |                 <li>Youtube</li>
199 |             </ul>
200 |         </div>
201 |     </div>
202 |     <hr>
203 |     <p class="Copyright">Copyright 2021 - Durjoy Book Store</p>
204 | </div>
205 </div>
206 </body>
207 </html>

```

Fig. 8. Home page code.

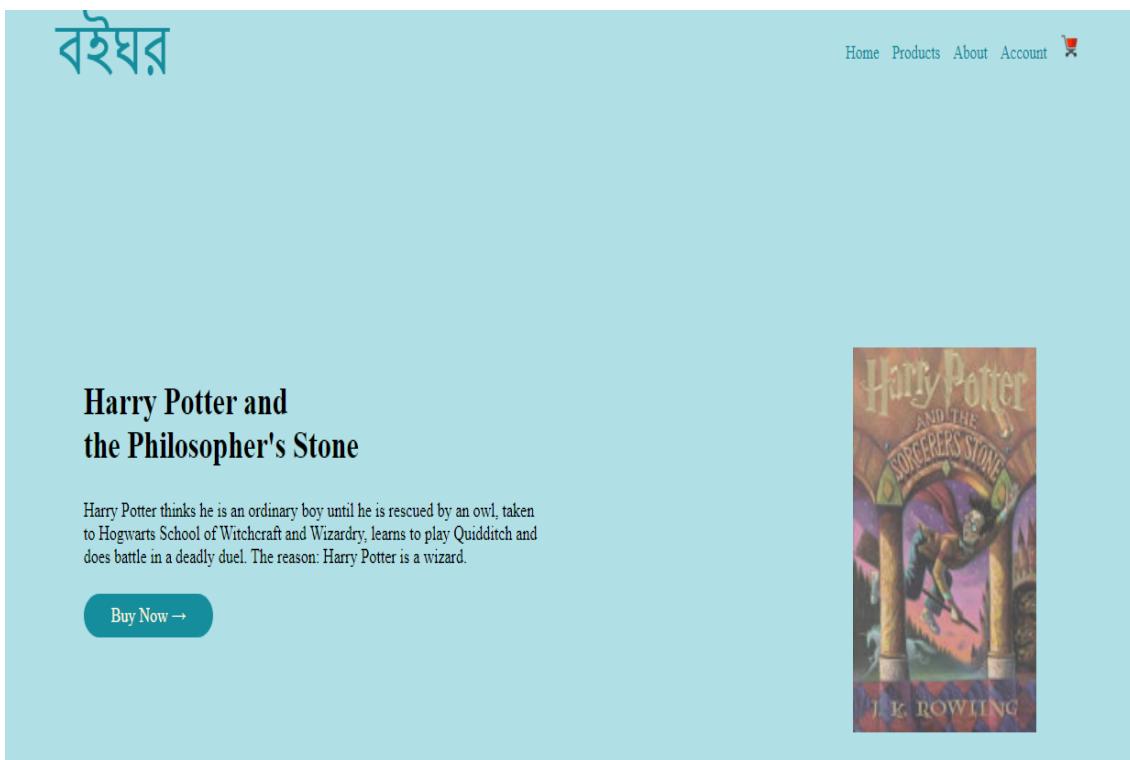


Fig. 9. Upper half of the bookstore home.

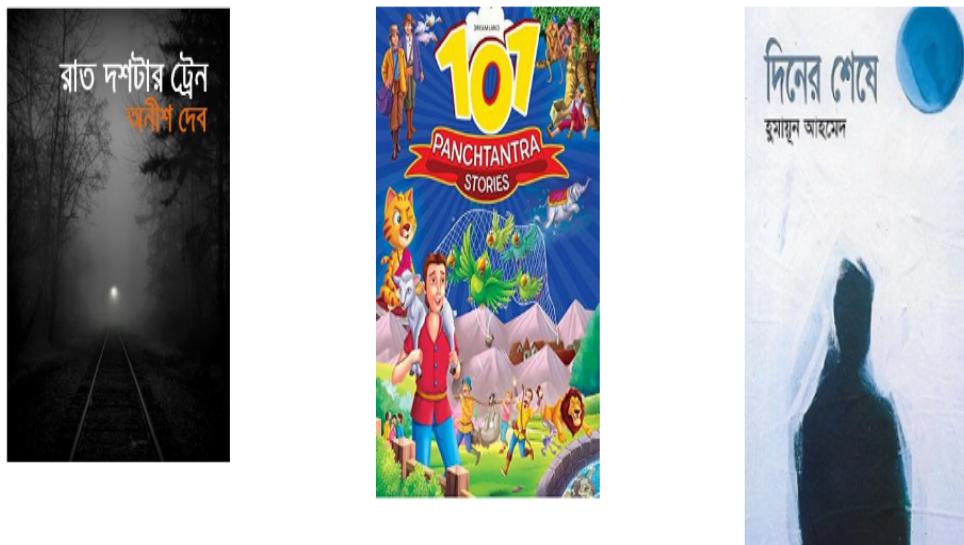


Fig. 10. Home page output.



Fig. 11. Home page output.

## PICKS OF THE MONTH

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Fig. 12. Home page output.

## BEST SELLERS

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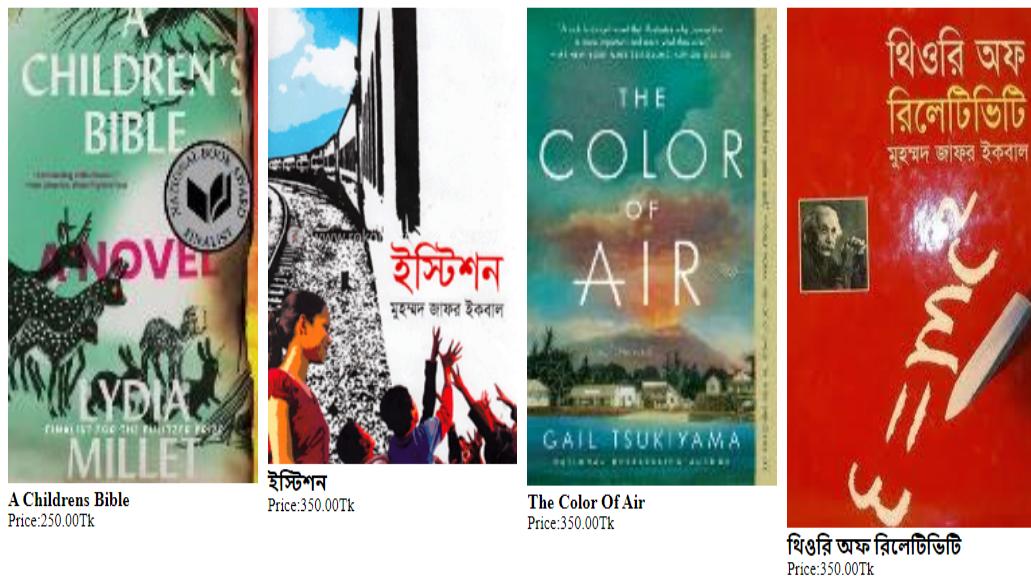


Fig. 13. Home page output.

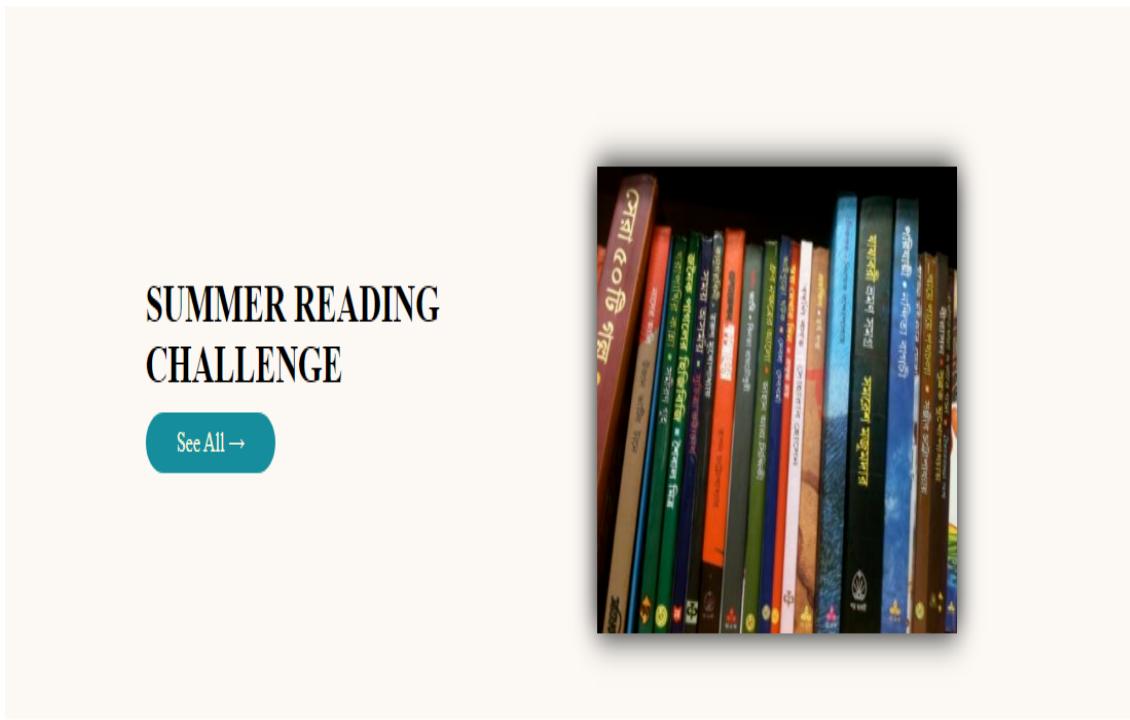


Fig. 14. Home page output.

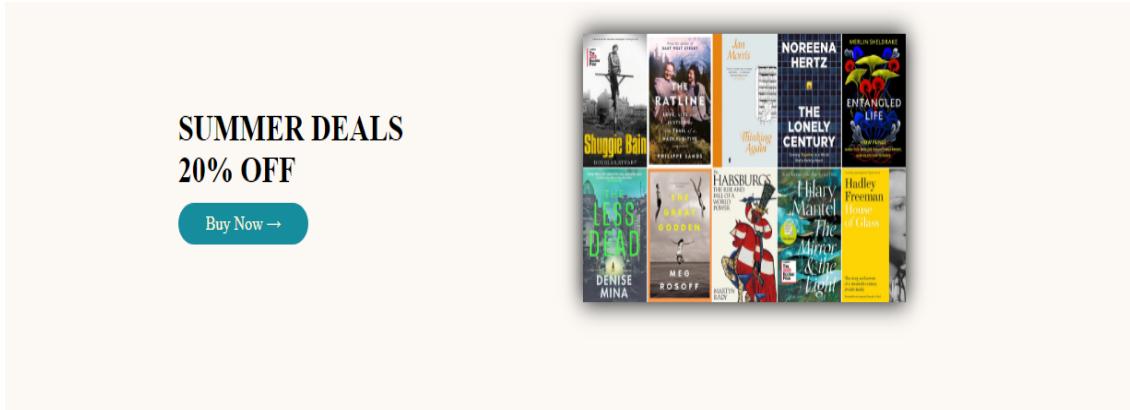


Fig. 15. Home page output.

```

25 <!--pro-details-->
26 <div class="small-container single">
27   <div class="row">
28     <div class="col-2">
29       
30     </div>
31     <div class="col-2">
32       <p>দেয়াল</p>
33       <h4>Tk:100/-</h4>
34       <input type="number" value="1">
35       <a href="cart.html" class="btn">Add To Cart</a>
36       <a href="cart.html" class="btn">Buy Now</a>
37       <h3>Book Details</h3><br>
38       <p>দেয়াল (ইংরেজি: Deyal) বাংলাদেশি লেখক হ্রায়ন আহমেদের মুক্তিযুদ্ধ প্রবর্তী বাংলাদেশের
39     </div>
40   </div>
41 </div>

```

Fig. 16. Pro-details code.

```

42   <!--all products-->
43 <div class="small-container">
44
45   <h2 class="title">RELATED BOOKS</h2>
46 <div class="row">
47   <div class="col-4">
48     
49     <h4>হিমু সমগ্র</h4>
50     <p>Price:250.00Tk</p>
51   </div>
52   <div class="col-4">
53     
54     <h4>দেয়াল</h4>
55     <p>Price:350.00Tk</p>
56   </div>
57   <div class="col-4">
58     
59     <h4>লীলাবতীর মৃত্যু</h4>
60     <p>Price:400.00Tk</p>
61   </div>
62   <div class="col-4">
63     
64     <h4>ফেরা</h4>
65     <p>Price:350.00Tk</p>
66   </div>
67 </div>

```

Fig. 17. Pro-details Code.



কুমায়ুন আহমেদ  
এর শেষ উপন্যাস

**কেরাল**

দেয়াল  
Tk:100/-

[Add To Cart](#) [Buy Now](#)

**Book Details**

দেয়াল (ইংরেজি: Deyal) বাংলাদেশি লেখক হুমায়ুন আহমেদের মৃত্যুদুর্পরবর্তী বাংলাদেশের রাজনৈতিক ও সামাজিক প্রেক্ষাপট ভিত্তিক উপন্যাস। এটি তার রচিত সর্বশেষ উপন্যাস যা তার মৃত্যুর ১ বছর পর গ্রন্থাকারে প্রকাশিত হয়।

Fig. 18. pro-details page output.

## RELATED BOOKS

---

স্মৃতি  
হুমায়ুন আহমেদ

কুমায়ুন আহমেদ  
এর শেষ উপন্যাস

**কেরাল**

লীলাবতীর মৃত্যু  
হুমায়ুন আহমেদ

হুমায়ুন আহমেদ  
**ফেরা**

**স্মৃতি**  
Price:250.00Tk

**কেরাল**  
Price:350.00Tk

**লীলাবতীর মৃত্যু**  
Price:400.00Tk

**ফেরা**  
Price:350.00Tk

Fig. 19. pro-details page output.

```

26 <div class="small-container">
27   <div class="row row-2">
28     <h2>All Books</h2>
29     <select>
30       <option value="">Default Shorting</option>
31       <option value="">Short by price</option>
32       <option value="">short by book</option>
33       <option value="">Short by popularity</option>
34
35     </select>
36   </div>
37   <div class="row">
38     <div class="col-4">
39       
40       <h4>হিমু সমগ্র</h4>
41       <p>Price:250.00Tk</p>
42     </div>
43     <div class="col-4">
44       
45       <h4>দেয়াল</h4>
46       <p>Price:350.00Tk</p>
47     </div>
48     <div class="col-4">
49       
50       <h4>লীলাবতীর মৃত্যু</h4>
51       <p>Price:400.00Tk</p>
52     </div>
53     <div class="col-4">
54       
55       <h4>ফেরা</h4>
56       <p>Price:350.00Tk</p>
57     </div>
58   </div>

```

Fig. 20. All-product page code.



Fig. 21. All-Product page output.



Fig. 22. All-Product page output.



Fig. 23. All-Product page output.

```

25 <div class="see">
26   <div class="col-5">
27     
28   </div>
29   <div class="col-5">
30     <h1>ABOUT US?</h1><br>
31     <p>Think about the last good book you read. Did it make you feel more connected to others? Maybe it served
32       <br>As an independent bookstore, we strive to offer the same variety and richness of experience as the
33       <br>Thank you for supporting these lofty goals. Your choice sustains a family business, and allows us
34     </div>
35   </div>
36 </div>
37
38
39
40 </div>
41 </div>

```

Fig. 24. About page code.



Fig. 25. About page output.

## ABOUT US?

Think about the last good book you read. Did it make you feel more connected to others? Maybe it served as a welcome escape. Maybe it helped you rediscover the beauty in life. Did it surprise you?

As an independent bookstore, we strive to offer the same variety and richness of experience as the books on our shelves. And because the only people we're beholden to are our customers and ourselves, we can focus on what really matters – promoting diverse perspectives, upholding the free exchange of ideas, championing the enduring power of books, and bolstering the great community of readers and authors we're lucky to be a part of.

Thank you for supporting these lofty goals. Your choice sustains a family business, and allows us to follow our passion for getting the right books into the right hands, 365 days a year.



Fig. 26. About page output.

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>ONLINE BOOK STORE</title>
8      <link rel="stylesheet" href="login.css">
9  </head>
10 <body>
11     <div class="header">
12         <div class="container">
13             <nav>
14                 <label class="logo">বইয়ের</label>
15                 <ul>
16                     <li><a href="store.html">Home</a></li>
17                     <li><a href="products.html">Products</a></li>
18                     <li><a href="about.html">About</a></li>
19                     <li><a href="">Account</a></li>
20                     <a href="cart.html"></a>
21                 </ul>
22             </nav>
23         </div>
24     </div>
```

Fig. 27. Account page code.

```

27      <!--accounts-->
28
29      <div id="login-box">
30          <div class="left">
31              <h1>Sign up</h1>
32
33              <input type="text" name="username" placeholder="Username" />
34              <input type="text" name="email" placeholder="E-mail" />
35              <input type="password" name="password" placeholder="Password" />
36              <input type="password" name="password2" placeholder="Retype password" />
37
38              <input type="submit" name="signup_submit" value="Sign me up" />
39          </div>
40
41          <div class="right">
42              <span>Sign in with<br />social network</span>
43
44              <button class="social-signin facebook">Log in with facebook</button>
45              <button class="social-signin twitter">Log in with Twitter</button>
46              <button class="social-signin google">Log in with Google+</button>
47          </div>
48          <div class="or">OR</div>
49      </div>
50  </div>

```

Fig. 28. Account page code.

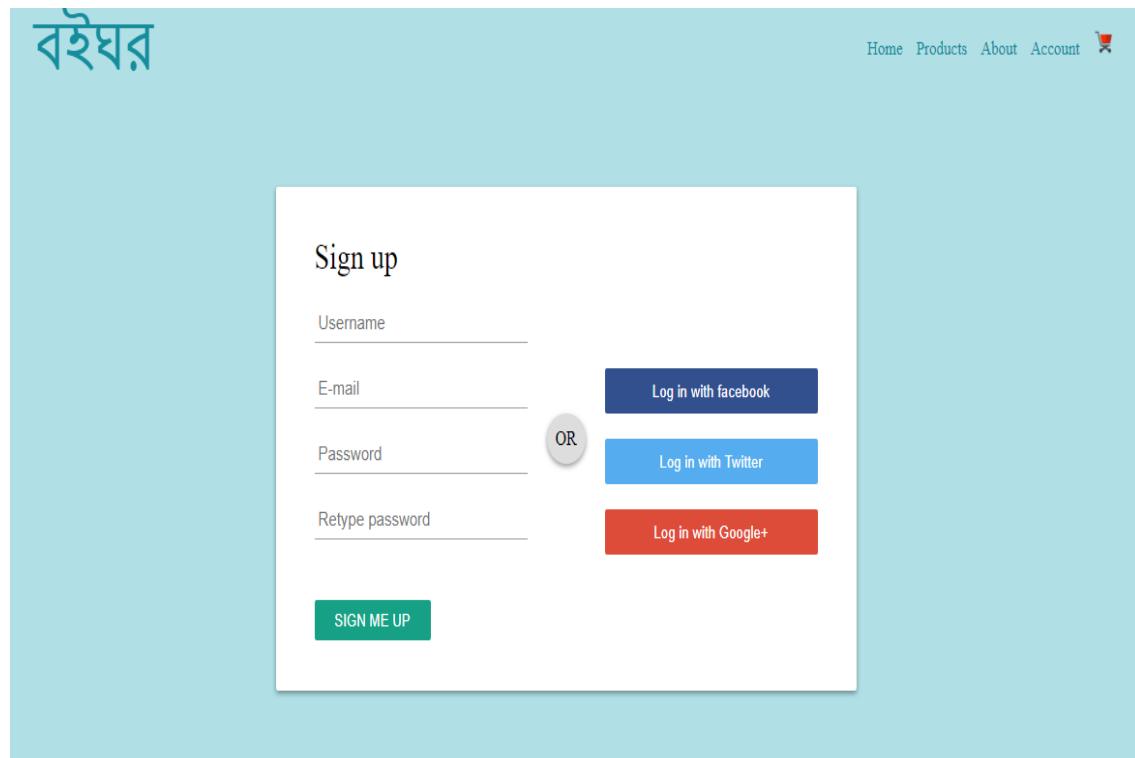


Fig. 29. Accout page output.

```

28 <div class="small-container">
29   <table>
30     <tr>
31       <th>Product</th>
32       <th>Quantity</th>
33       <th>SubTotal</th>
34     </tr>
35     <tr>
36       <td>
37         <div class="cart-info">
38           
39           <div>
40             <p>সহজ ক্যালকুলাস</p>
41             <small>Price: 250.00Tk</small>
42             <br>
43             <a href="">Remove</a>
44           </div>
45         </div>
46       </td>
47       <td><input type="number" value="1"></td>
48       <td>250.00Tk</td>
49     </tr>
50     <tr>
51       <td>
52         <div class="cart-info">
53           
54           <div>
55             <p>Cat Problems</p>
56             <small>Price: 350.00Tk</small>
57             <br>
58             <a href="">Remove</a>
59           </div>
60         </div>

```

Fig. 30. Cart page code.

```

65   <tr>
66     <td>
67       <div class="cart-info">
68         
69         <div>
70           <p>চেরিনা</p>
71           <small>Price: 400.00Tk</small>
72           <br>
73           <a href="">Remove</a>
74         </div>
75       </div>
76     </td>
77     <td><input type="number" value="1"></td>
78     <td>400.00Tk</td>
79   </tr>
80 </table>
81 <div class="price">
82   <table>
83     <tr>
84       <td>SubTotal</td>
85       <td>400.00Tk</td>
86     </tr>
87     <tr>
88       <td>Vat</td>
89       <td>15.00Tk</td>
90     </tr>
91     <tr>
92       <td>Total</td>
93       <td>415.00Tk</td>
94     </tr>
95   </table>
96 </div>
97 </div>

```

Fig. 31. Cart page code.

# বইঘর

Home Products About Account 

Product	Quantity	SubTotal
 <b>সহজ ক্যালকুলেশন</b> Price: 250.00Tk <a href="#">Remove</a>	<input type="button" value="1"/>	250.00Tk
 <b>Cat Problems</b> Price: 350.00Tk <a href="#">Remove</a>	<input type="button" value="1"/>	350.00Tk
 <b>সেরিনা</b> Price: 400.00Tk <a href="#">Remove</a>	<input type="button" value="1"/>	400.00Tk
<b>SubTotal</b>		400.00Tk
<b>Vat</b>		15.00Tk
<b>Total</b>		415.00Tk

Fig. 32. Cart page output.

#### IV. ER-DIAGRAM

An ER diagram (ERD), also known as an ER model, is a graphical representation of an information system that depicts the relationships among people, objects, places, concepts, or events within that system. An ERD is a data modeling technique that can help define business processes and be used as the foundation for a relational database.

##### A. Some limitations of ER-Model:

1. An ER model is primarily conceptual, an ontology that expresses predicates in a domain of knowledge.
2. ER models are readily used to represent relational database structures (after Codd and Date) but not so often to represent other kinds of data structure (data warehouses, document stores etc.)
3. An ER model does not show an entity's life history (how its attributes and/or relationships change over time in response to events). For many systems, such state changes are nontrivial and important enough to warrant explicit specification.

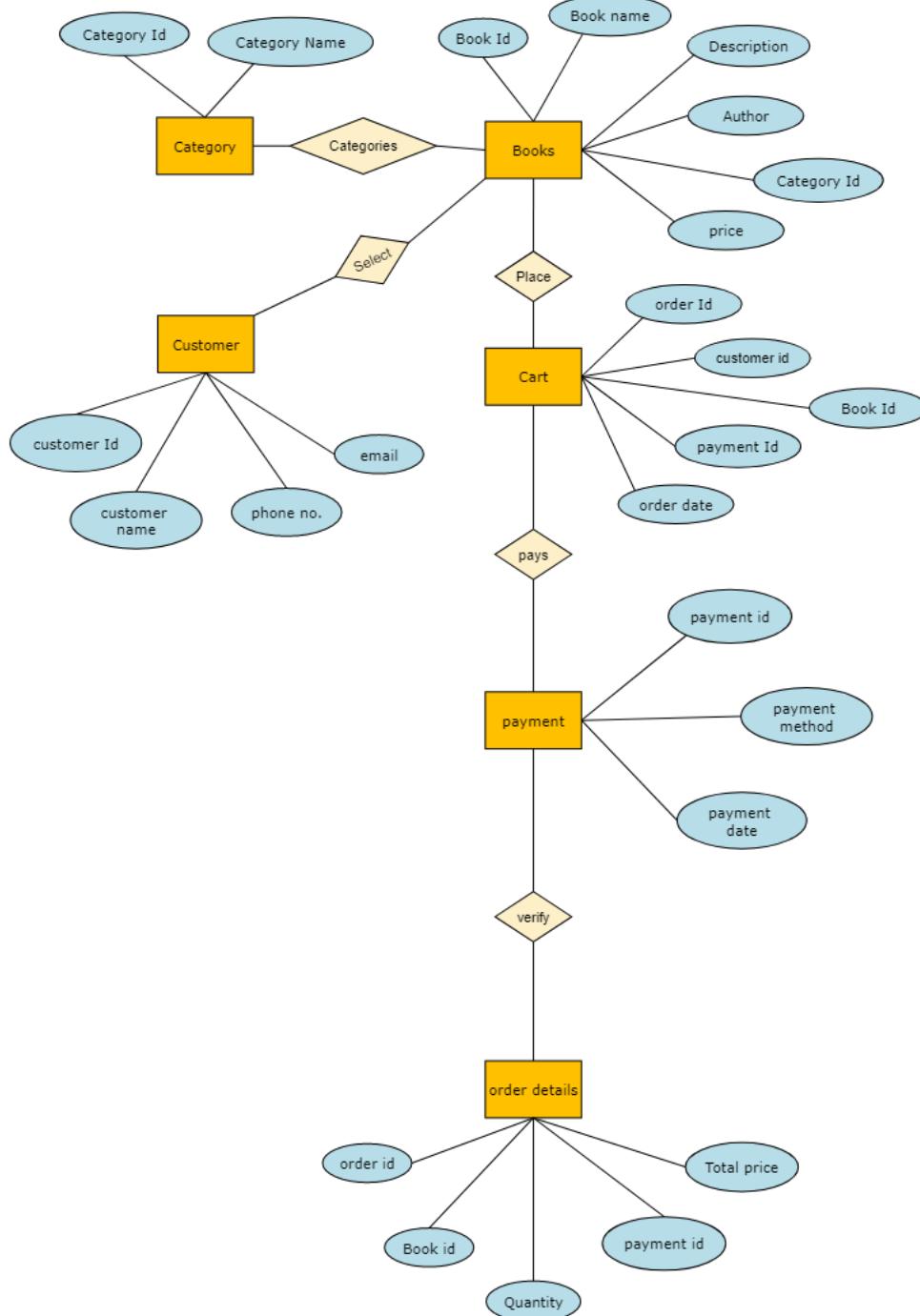


Fig. 33. Entity Relationship Diagram

## V. CONCLUSION AND FUTURE WORK

Implement Back end using PHP. Add a database using MySQL. There is a huge scope of improvement on this system. The project is no doubt has been developed keeping in mind easy modification and enhancement that may be required from time to time. It is hoped that this project will help the future developers to modify and implement the system. After modifying some techniques of the programs, it will give us the best performance as our requirements. The project will be very useful for the users.

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