



WEB TECHNOLOGY PROJECT

TITLE: LIBRARY MANAGEMENT SYSTEM

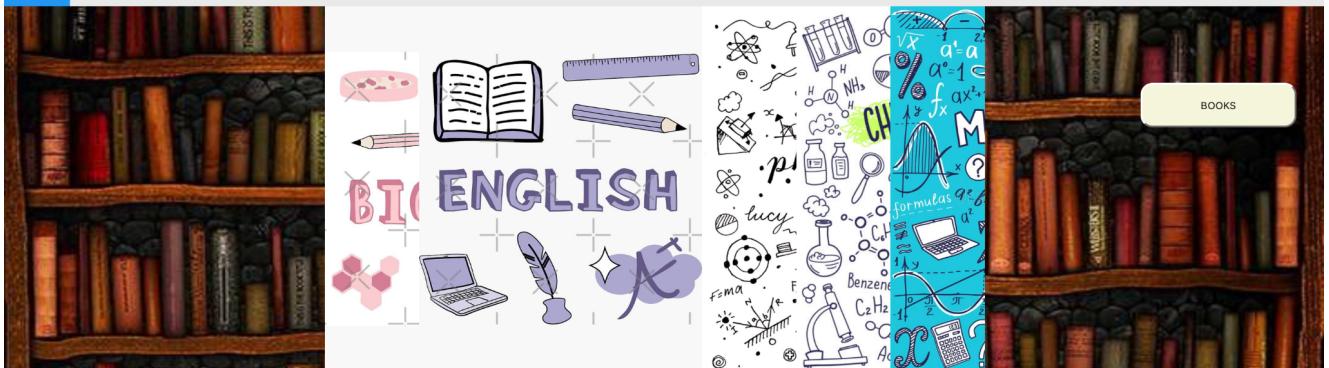
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Welcome to the Library

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BOOKS

[Biology](#) [English](#) [Physics](#) [Chemistry](#) [Mathematics](#) [Political Science](#) [Geography](#) [Economics](#) [IT](#)



ABSTRACT:

Library is a collection of sources of information and similar resources, made accessible to a defined community for reference or borrowing. Thus, the process of handling a library manually is very troublesome and clumsy. As regards to this point of view, we plan to develop a computerized system for handling the activities of library management in a comprehensive way to lessen physical labor and reduce complexity of the manual system. A library management system website is a digital platform designed to facilitate the management and organization of library resources, including books, journals, and other materials.

In this project, we plan on adding many features which are generally not available in a library management system. The library management system website aims to streamline library operations, improve resource utilization, and enhance the user experience. Users can search books on the home page as well as after choosing particular subjects. Users can contact us via directly mailing each of the team members available in the about us page or else can put their message in the contact us page.

Overall this project is being developed to help the students as well as staff of the library to maintain the library in the best way possible and also reduce human efforts.

INTRODUCTION:

Library Management System (LMS) is a software application designed to help library staff and administrators manage the library resources effectively. With the help of LMS, libraries can manage their collections, patrons, circulation, and other related operations in a digital format, eliminating the need for manual record keeping. The LMS system provides features such as an online catalog, patron management, book reservation, borrowing and returning, and report generation.

This project aims to develop a web-based library management system that can be accessed by library staff and students from any location. The system will be designed to simplify and automate various library operations, allowing staff to focus more on improving the user experience.

Overall, this project seeks to create a robust and user-friendly library management system that will help libraries manage their resources more efficiently and enhance the user experience.

PROJECT OBJECTIVES:

The primary objective of this Library Management System (LMS) project is to provide an efficient and user-friendly platform for managing the resources of a library. Here are some of the key project objectives of our LMS project:

1. Efficient management of library resources: The system should enable the library staff to easily manage and track books, journals, magazines, and other library resources in an efficient manner.
2. Enhance user experience: The LMS project should provide an easy-to-use interface for library patrons to search for books, reserve items, renew books, and pay fines online.
3. Facilitate data analysis: The user can easily contact the library.(About us, contact us, FAQs interface)
4. Improve security: The LMS project should include security features such as access control, user authentication, and data backup and recovery to prevent unauthorized access and data loss which is going to be added with the login/logout page interface.
5. Scalability and adaptability: The LMS project should be scalable and adaptable to accommodate future growth and changing needs of the library which is provided by Xampp.

Background of the project:

The use of Library Management Systems (LMS) has become increasingly popular in recent years due to the need for efficient management of library resources. The history of LMS can be traced back to the early 1970s, where libraries began using computers for cataloging and circulation.

Today, LMS has become an essential tool for libraries of all sizes, enabling them to manage their resources more efficiently and provide a better experience for library patrons. LMS helps libraries to automate and manage tasks such as acquisitions, cataloging, circulation, serial management, and user management.

Furthermore, the rise of online learning has led to increased demand for digital resources, making it necessary for LMS to have features for managing digital resources such as e-books and databases.

LMS has also become more integrated with other systems, such as student management systems, learning management systems, and accounting systems. This integration has helped to streamline library operations, reduce duplication of effort, and improve efficiency.

In summary, the background of the LMS project is rooted in the need for libraries to efficiently manage their resources and adapt to the changing landscape of library services.

Operation Environment:

The operational environment of this Library Management System is dependent on the specific design and implementation of the system which are as follows:

1. Web-based: Like the HTML-only LMS, the system will be web-based, accessible through a web browser, and not require local installation.
2. Platform-independent: The LMS will be platform-independent since it will run on any device with a web browser and a suitable operating system.
3. Client-server architecture: The LMS will follow a client-server architecture, where the client (web browser) sends requests to the server running XAMPP, which processes the requests and returns responses.
4. Database-driven: The system will use a database to store data such as user accounts, book records, circulation records, and other relevant information. XAMPP includes a database management system, typically MySQL, to handle database operations.
5. Dynamic content: The LMS will use HTML, CSS, JavaScript, and PHP to generate dynamic content that responds to user interactions and data retrieved from the database.
6. Security features: The LMS will have security features such as user authentication, access control, and data encryption to ensure that only authorized users have access to sensitive information.
7. Hosting: The LMS will require a web server to host the system and provide access to users through a domain name or IP address.
8. Scalability: XAMPP enables the LMS to be scalable, allowing for the addition of new modules or features, and accommodating a growing number of users and resources.

System Analysis:

1):-Software requirement specification:

: Vs Code Version 1.76

: XCode version 14.2

: Localhost- localhost is generally the address 127.0. 0.1 but the :8080 part means to connect to port 8080 instead of the default port 80. 127.0. 0.1:8080 will be the same as localhost:8080 , not plain 127.0

:XAMPP version 8.2.0 / PHP 8.2.0 for windows.

: Notepad- Notepad is a simple text editor for Microsoft Windows

Languages Used here-

Html 4.01/html 5

Css 3

java script ECMAScript 2022

Php version 8.2

Mysql version 8.0 are used here

2):- Software tools used:

- vs code
- Xcode
- localhost
- Xampp
- Notepad
- sheet db

System Design:

SQL QUERIES For subject related tables and all books tables.

```
INSERT INTO AllBooks VALUES(1,'Biology Textbook 12', 'NCERT','Biology',  
'Biology',70,1111111);
```

```
INSERT INTO AllBooks VALUES(2,'Cells', 'Dr. Anupham',  
'Biology','Biology',80,13243757);
```

```
INSERT INTO AllBooks VALUES(3,'English Communication', 'N krishnaswamy',  
'English','English',80,0);
```

```
INSERT INTO AllBooks VALUES(4,'English Communication', 'JK Rowling',  
'English','English',340,1787);
```

```
INSERT INTO AllBooks VALUES(5,'Engineering Physics', 'M.A.Sutar',  
'Physics','Engineering',80,1010101010);
```

```
INSERT INTO AllBooks VALUES(6,'General Chemistry', 'Linus Pauling',  
'Chemistry','Engineering',70,111222332);
```

```
INSERT INTO AllBooks VALUES(7,'organic chemistry', 'S Chand',  
'Chemistry','Engineering',80,3232453);
```

```
INSERT INTO AllBooks VALUES(8,'Engineering Mathematics', 'B.S.Grewal',  
'Mathematics','Engineering',80,1122211992);
```

```
INSERT INTO AllBooks VALUES(9,'Constitution of India', 'Dr.Durga Das Basu',  
'Political Science','Engineering',80,1223311222);
```

```
INSERT INTO AllBooks VALUES(10,'Geography 12th', 'NCERT', 'Geography','Social  
Studies',80,1122121213);
```

```
INSERT INTO AllBooks VALUES(11,'The Wealth of Nations', 'Adam Smith',  
'Economics','Economics',80,122123399);
```

```
INSERT INTO AllBooks VALUES(12,'Programming in Python', 'David Beazley',  
'IT','Engineering',120,1223321223);
```

All created tables screenshot are here:

Library_Management

Table	Action	Rows	Type	Collation	Size	Overhead	
AllBooks	Browse Structure Search Insert Empty Drop	12	InnoDB	utf8mb4_general_ci	32.0 Kib	-	
Books	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
Civics	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
Contact_us	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
Economics	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
English	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
Geography	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
IT	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
Mathematics	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
Physics	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-	
10 tables	Sum		22	InnoDB	utf8mb4_general_ci	176.0 Kib	0 B

Check all With selected:

Print Data dictionary

System Implementation:

Screenshots for all php codes.

All Books php code.

```
41      <?php
42      $servername = "localhost";
43      $username = "root";
44      $password = "";
45      $database = "Library_Management";
46
47      //create connection
48      $connection = new mysqli($servername, $username, $password, $database);
49
50      //check connection
51      if ($connection->connect_error) {
52          die("Connection failed: " . $connection->connect_error);
53      }
54
55      //read all row from table
56      $sql = "SELECT*FROM AllBooks";
57      $result = $connection->query($sql);
58
59      if(!$result) {
60          die("Invalid query: " . $connection->error);
61      }
62
63      //read data of each row
64      while($row = $result->fetch_assoc()){
65          echo "<tr>
66              <td>" . $row["S.No"] . "</td>
67              <td>" . $row["Name"] . "</td>
68              <td>" . $row["Author"] . "</td>
69              <td>" . $row["Subject"] . "</td>
70              <td>" . $row["Department"] . "</td>
71              <td>" . $row["Price"] . "</td>
72              <td>" . $row["ISBN.No"] . "</td>
73          </tr>";
74      }
75
76      ?>
77  </tbody>
78 </table>
```

For biology subject php code.

```
40  <tbody>
41      <?php
42      $servername = "localhost";
43      $username = "root";
44      $password = "";
45      $database = "Library_Management";
46
47      //create connection
48      $connection = new mysqli($servername, $username, $password, $database);
49
50      //check connection
51      if ($connection->connect_error) {
52          die("Connection failed: " . $connection->connect_error);
53      }
54
55      //read all row from table
56      $sql = "SELECT*FROM AllBooks where Subject='Biology' ";
57      $result = $connection->query($sql);
58
59      if(!$result) {
60          die("Invalid query: " . $connection->error);
61      }
62
63      //read data of each row
64      while($row = $result->fetch_assoc()){
65          echo "<tr>
66              <td>" . $row["S.No"] . "</td>
67              <td>" . $row["Name"] . "</td>
68              <td>" . $row["Author"] . "</td>
69              <td>" . $row["Subject"] . "</td>
70              <td>" . $row["Department"] . "</td>
71              <td>" . $row["Price"] . "</td>
72              <td>" . $row["ISBN.No"] . "</td>
73          </tr>";
74      }
75
76      ?>
77  </tbody>
78 </table>
```

For chemistry subject php code.

```
40 <tbody>
41     <?php
42     $servername = "localhost";
43     $username = "root";
44     $password = "";
45     $database = "Library_Management";
46
47     //Create connection
48     $connection = new mysqli($servername, $username, $password, $database);
49
50     //check connection
51     if ($connection->connect_error) {
52         die("Connection failed: " . $connection->connect_error);
53     }
54
55     //read all row from table
56     $sql = "SELECT*FROM AllBooks where Subject='Chemistry'";
57     $result = $connection->query($sql);
58
59     if(!$result) {
60         die("Invalid query: " . $connection->error);
61     }
62
63     //read data of each row
64     while($row = $result->fetch_assoc()){
65         echo "<tr>
66             <td>" . $row["S.No"] . "</td>
67             <td>" . $row["Name"] . "</td>
68             <td>" . $row["Author"] . "</td>
69             <td>" . $row["Subject"] . "</td>
70             <td>" . $row["Department"] . "</td>
71             <td>" . $row["Price"] . "</td>
72             <td>" . $row["ISBN.No"] . "</td>
73         </tr>";
74     }
75
76     ?>
77     </tbody>
78 </table>
80
```

Civics php code.

```
40 <tbody>
41     <?php
42     $servername = "localhost";
43     $username = "root";
44     $password = "";
45     $database = "Library_Management";
46
47     //Create connection
48     $connection = new mysqli($servername, $username, $password, $database);
49
50     //check connection
51     if ($connection->connect_error) {
52         die("Connection failed: " . $connection->connect_error);
53     }
54
55     //read all row from table
56     $sql = "SELECT*FROM AllBooks where Subject = 'Political Science'";
57     $result = $connection->query($sql);
58
59     if(!$result) {
60         die("Invalid query: " . $connection->error);
61     }
62
63     //read data of each row
64     while($row = $result->fetch_assoc())){
65         echo "<tr>
66             <td>" . $row["S.No"] . "</td>
67             <td>" . $row["Name"] . "</td>
68             <td>" . $row["Author"] . "</td>
69             <td>" . $row["Subject"] . "</td>
70             <td>" . $row["Department"] . "</td>
71             <td>" . $row["Price"] . "</td>
72             <td>" . $row["ISBN.No"] . "</td>
73         </tr>";
74     }
75
76     ?>
77     </tbody>
78 </table>
80
```

Economics php code.

```
40  <tbody>
41  </php>
42  $servername = "localhost";
43  $username = "root";
44  $password = "";
45  $database = "Library_Management";
46
47 //create connection
48 $connection = new mysqli($servername, $username, $password, $database);
49
50 //check connection
51 if ($connection->connect_error) {
52     die("Connection failed: " . $connection->connect_error);
53 }
54
55 //read all row from table
56 $sql = "SELECT*FROM Allbooks where subject = 'Economics'";
57 $result = $connection->query($sql);
58
59 if(!$result) {
60     die("Invalid query: " . $connection->error);
61 }
62
63 //read data of each row
64 while($row = $result->fetch_assoc()){
65     echo "<tr>
66         <td>" . $row["S.No"] . "</td>
67         <td>" . $row["Name"] . "</td>
68         <td>" . $row["Author"] . "</td>
69         <td>" . $row["Subject"] . "</td>
70         <td>" . $row["Department"] . "</td>
71         <td>" . $row["Price"] . "</td>
72         <td>" . $row["ISBN.No"] . "</td>
73     </tr>";
74 }
75
76 ?>
77 </tbody>
78 </table>
```

English php code.

```
40  <tbody>
41  </php>
42  $servername = "localhost";
43  $username = "root";
44  $password = "";
45  $database = "Library_Management";
46
47 //create connection
48 $connection = new mysqli($servername, $username, $password, $database);
49
50 //check connection
51 if ($connection->connect_error) {
52     die("Connection failed: " . $connection->connect_error);
53 }
54
55 //read all row from table
56 $sql = "SELECT*FROM Allbooks where Subject = 'English'";
57 $result = $connection->query($sql);
58
59 if(!$result) {
60     die("Invalid query: " . $connection->error);
61 }
62
63 //read data of each row
64 while($row = $result->fetch_assoc()){
65     echo "<tr>
66         <td>" . $row["S.No"] . "</td>
67         <td>" . $row["Name"] . "</td>
68         <td>" . $row["Author"] . "</td>
69         <td>" . $row["Subject"] . "</td>
70         <td>" . $row["Department"] . "</td>
71         <td>" . $row["Price"] . "</td>
72         <td>" . $row["ISBN.No"] . "</td>
73     </tr>";
74 }
75
76 ?>
77 </tbody>
78 </table>
```

Geography php code.

```
41      <?php
42      $servername = "localhost";
43      $username = "root";
44      $password = "";
45      $database = "Library_Management";
46
47      //create connection
48      $connection = new mysqli($servername, $username, $password, $database);
49
50      //check connection
51      if ($connection->connect_error) {
52          die("Connection failed: " . $connection->connect_error);
53      }
54
55      //read all row from table
56      $sql = "SELECT*FROM Allbooks where Subject = 'Geography'";
57      $result = $connection->query($sql);
58
59      if(!$result) {
60          die("Invalid query: " . $connection->error);
61      }
62
63      //read data of each row
64      while($row = $result->fetch_assoc()){
65          echo "<tr>
66              <td>" . $row["S.No"] . "</td>
67              <td>" . $row["Name"] . "</td>
68              <td>" . $row["Author"] . "</td>
69              <td>" . $row["Subject"] . "</td>
70              <td>" . $row["Department"] . "</td>
71              <td>" . $row["Price"] . "</td>
72              <td>" . $row["ISBN.No"] . "</td>
73          </tr>";
74      }
75
76      ?>
77      </tbody>
78  </table>
```

It php code.

```
41      <?php
42      $servername = "localhost";
43      $username = "root";
44      $password = "";
45      $database = "Library_Management";
46
47      //create connection
48      $connection = new mysqli($servername, $username, $password, $database);
49
50      //check connection
51      if ($connection->connect_error) {
52          die("Connection failed: " . $connection->connect_error);
53      }
54
55      //read all row from table
56      $sql = "SELECT*FROM AllBooks where Subject='IT'";
57      $result = $connection->query($sql);
58
59      if(!$result) {
60          die("Invalid query: " . $connection->error);
61      }
62
63      //read data of each row
64      while($row = $result->fetch_assoc()){
65          echo "<tr>
66              <td>" . $row["S.No"] . "</td>
67              <td>" . $row["Name"] . "</td>
68              <td>" . $row["Author"] . "</td>
69              <td>" . $row["Subject"] . "</td>
70              <td>" . $row["Department"] . "</td>
71              <td>" . $row["Price"] . "</td>
72              <td>" . $row["ISBN.No"] . "</td>
73          </tr>";
74      }
75
76      ?>
77      </tbody>
78  </table>
```

For Maths php code.

```
41      <?php
42      $servername = "localhost";
43      $username = "root";
44      $password = "";
45      $database = "Library_Management";
46
47      //create connection
48      $connection = new mysqli($servername, $username, $password, $database);
49
50      //check connection
51      if ($connection->connect_error) {
52          die("Connection failed: " . $connection->connect_error);
53      }
54
55      //read all row from table
56      $sql = "SELECT*FROM Allbooks where subject = 'Mathematics'";
57      $result = $connection->query($sql);
58
59      if($result) {
60          die("Invalid query: " . $connection->error);
61      }
62
63      //read data of each row
64      while($row = $result->fetch_assoc()){
65          echo "<tr>
66              <td>" . $row["S.No"] . "</td>
67              <td>" . $row["Name"] . "</td>
68              <td>" . $row["Author"] . "</td>
69              <td>" . $row["Subject"] . "</td>
70              <td>" . $row["Department"] . "</td>
71              <td>" . $row["Price"] . "</td>
72              <td>" . $row["ISBN.No"] . "</td>
73          </tr>";
74      }
75
76      ?>
77      </tbody>
78  </table>
79
80
```

For Physics php code.

```
41      <?php
42      $servername = "localhost";
43      $username = "root";
44      $password = "";
45      $database = "Library_Management";
46
47      //create connection
48      $connection = new mysqli($servername, $username, $password, $database);
49
50      //check connection
51      if ($connection->connect_error) {
52          die("Connection failed: " . $connection->connect_error);
53      }
54
55      //read all row from table
56      $sql = "SELECT*FROM AllBooks where Subject = 'Physics'";
57      $result = $connection->query($sql);
58
59      if($result) {
60          die("Invalid query: " . $connection->error);
61      }
62
63      //read data of each row
64      while($row = $result->fetch_assoc()){
65          echo "<tr>
66              <td>" . $row["S.No"] . "</td>
67              <td>" . $row["Name"] . "</td>
68              <td>" . $row["Author"] . "</td>
69              <td>" . $row["Subject"] . "</td>
70              <td>" . $row["Department"] . "</td>
71              <td>" . $row["Price"] . "</td>
72              <td>" . $row["ISBN.No"] . "</td>
73          </tr>";
74      }
75
76      ?>
77      </tbody>
78  </table>
79
```

APPENDIX:

User Manual:

Step-1: Login/Signup(not operation now)

Step-2: User will be directed to the home page.In the left corner there is home page, about us page, and contact us page on clicking them you will be directed to the respective page. Users can contact us via sending us messages in the contact page form, they can also contact us by directly mailing us via clicking on the particular contact us button of the team members after being directed to the about us page.

Step-3: In the right hand corner of the page, there is a search button for all books where you can search any book and check their availability in the library.

Step-4: In the middle of the home page, all the subjects are floated in a slider and on clicking below you will be directed to folders of that particular subject where you can see the database of that subject.

Step-5: At the footer, there is an additional FAQs page where users can see the most asked query and its reply by the admin.

CODE:

HTML CODE:

The following code provided is a HTML document that defines the structure and content of a webpage for a Library.

The document includes various HTML elements such as a header, a div, an unordered list, and a footer. The header contains a title for the page, a navigation menu with links to different pages, and a search bar. The div contains links to different subjects that the library offers resources on. The unordered list contains images that will be used in a slider on the webpage. The footer contains links to the FAQ, Contact Us, and Copyright pages.

The HTML document also references an external stylesheet called "styles.css", which is used to define the visual style and layout of the webpage. The styles.css file would contain CSS code defining the appearance of various elements on the web page such as fonts, colors, sizes, and positioning.

```
<!DOCTYPE html>
<html lang="en" >
<head>
    <meta charset="UTF-8">
    <title> Library </title>
    <link rel="stylesheet" href=".//styles.css">

</head>
<body>
    <h1 style="border: 2px solid #000; border-radius: 10px; padding: 5px; background-color: #f0f0f0; text-align: center; font-size: 1.5em; margin-bottom: 10px;">Welcome to the Library
```

```
</header>
<button class="button"
        type="submit">
    <a href="index.html">
        LOG OUT
    </a>
</button>
<footer class="footer">
    <a href="FAQ.html">FAQ</a>
    <a href="mycontacts.html">Contact Us</a>
    <a href="copyright.html">Copyright</a>
</footer>
</body>
</html>
```

CSS CODE (most):

The code appears to be CSS code, which is used to style and format the visual elements of a website or web page.

The code includes various selectors, such as classes (.query, .team, .button, .copy, .index, .footer, .flex-container, .play) and HTML tags (html, body, h1, h2, h3, h4, h5, h6, p, dl, dd, menu, ul, ol, img, a), which are used to apply different styles to specific elements on the web page.

The code includes various style properties, such as font-size, font-family, color, background-color, position, padding, margin, text-align, border-radius, shape-outside, width, height, etc., which are used to modify the appearance and layout of the web page.

There are also styles for a slider with different background images, a navigation bar, and a footer with links.

```

body{
  background-image: url(
    bookshelves\ english.jpeg
  )
}

.query{
  font-size: larger;
  font-family: 'Times New Roman', Times, serif;
  color: #e9e9e9;
  position:absolute;
}

.team{
  color: #aliceblue;
  font-size: 50px;
  font-style: oblique;
  text-align: center;
  background-color: red;
}

.button{
  border-radius: 13px;
  shape-outside: circle();
  position: relative;
  left: 1240px;
  bottom: 390px;
  width: 170px;
  height: 50px;
  background-color: beige;
}
button:hover{
  background-color: #rgb(174, 108, 32);
  color: aqua;
}

button:hover{
  background-color: #rgb(174, 108, 32);
  color: aqua;
}

.copy{
  font-size: larger;
  font-family: 'Times New Roman', Times, serif;
  color: #e9e9e9;
}

.index{
  font-size: larger;
  font-family: 'Times New Roman', Times, serif;
  color: #e9e9e9;
}

.footer{
  overflow: hidden;
  background-color: black;
  top: 700px;
  position: relative;
}

.flex-container {
  text-align: right;
  display: flex;
  background-color: #rgb(232, 112, 0);
}

.flex-container > div {
  position: relative;
  text-align: right;
  background-color: #fff800;
  margin: 5px;
  padding: 10px;
  font-size: 30px;
}

```

```

.footer a {
  text-decoration: none;
  padding: 20px;
  top: 200px;
  text-align: center;
  float: left;
  color: white;
  background-color: black;
}

.play{
  font-size: larger;
  font-family: 'Times New Roman', Times, serif;
  color: #e9e9e9;
  height: below;
}

html {
  box-sizing: border-box;
}
html *, html *:before, html *:after, html *::before, html *::after {
  box-sizing: inherit;
}

body {
  padding: 20;
  margin: 10;
  font-family: sans-serif;
}

h1,
h2,
h3,
h4,
h5,
h6,
p {
  font-weight: normal;
  font-size: 100%;
}

```

```
.slider {
  width: 50%;
  height: 50vh;
  position: relative;
  display: flex;
  transition: all 0.5s;
  overflow: hidden;
  left: 350px;
}
.slider .slide {
  width: 20%;
  height: 100%;
  position: relative;
  text-align: center;
  transition: 0.5s;
}
.slider .slide:nth-child(1) {
  background: url("402c672cf3f1054d91d0f3475e1928f5.jpg") no-repeat center center;
  background-size: cover;
  background-repeat: no-repeat;
  background-position: left;
}
.slider .slide:nth-child(2) {
  background: url("10cc7b0494dc77d817d571f07e0dbdb6.jpg")no-repeat center center;
  background-size: cover;
  background-repeat: no-repeat;
  background-position: left;
}
.slider .slide:nth-child(3) {
  background: url("538620994f27fc54288ba53b6cf6b603.jpg")no-repeat center center;
  background-size: cover;
  background-repeat: no-repeat;
  background-position: left;
}
```

```
}

.slider .slide:nth-child(4) {
  background: url("istockphoto-1370212289-612x612.jpg")no-repeat center center;
  background-size: cover;
  background-repeat: no-repeat;
  background-position: left;
}

.slider .slide:nth-child(5) {
  background: url("maths-symbols-icon-set-algebra-mathematics-subject-doodle-design-education-study-concept-back-to-school-background-239200854.jpg")
  no-repeat center center;
  background-size: cover;
  background-repeat: no-repeat;
  background-position: left;
}

.slider .slide:hover {
  width: 60%;
  cursor: pointer;
}

.topnav {
  overflow: hidden;
  background-color: #e9e9e9;
}

.topnav a {
  float: left;
  display: block;
  color: black;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
  font-size: 17px;
  position: static;
}
```

```

/* Change the color of links on hover */
.topnav a:hover {
  background-color: #ddd;
  color: black;
}

/* Style the "active" element to highlight the current page */
.topnav a.active {
  background-color: #2196F3;
  color: white;
}

/* Style the search box inside the navigation bar */
.topnav input[type=text] {
  float: right;
  padding: 6px;
  border: none;
  margin-top: 8px;
  margin-right: 16px;
  font-size: 17px;
}

/* When the screen is less than 600px wide, stack the links and the search field vertically instead of horizontally */
@media screen and (max-width: 600px) {
  .topnav a, .topnav input[type=text] {
    float: none;
    display: block;
    text-align: left;
    width: 100%;
    margin: 0;
    padding: 14px;
  }
  .topnav input[type=text] {
    border: 1px solid #ccc;
  }
}

```

```

body {
  font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;
  background-image: url("./bookshelves\ english.jpeg");
  background-color: beige;
  background-size: 100%;
  background-repeat: no-repeat;
  background-attachment: scroll;
}

*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

.title{
  font-size: 50px;
  text-align: center;
  margin-top: 80px;
  margin-bottom: 40px;
  text-decoration: underline 4px;
  background-color: #rgb(229, 70, 25);
}

.questions-container{
  max-width: 800px;
  margin: 0 auto;
  background-color: #rgb(177, 59, 8);
}

.question{
  border-bottom: 1px solid #e0f901;
}

```

```
/*add this class when click*/
.question p.show{
  max-height: 200px;
  opacity: 1;
  padding: 0px 15px 30px 15px;
}

.question button .d-arrow.rotate{
  transform: rotate(180deg);
}

/* contact us */
body {
  margin: 0;
  padding: 0;
  font-family: Arial, sans-serif;
}

/* style the container */
.container {
  max-width: 800px;
  margin: 0 auto;
  padding: 20px;
  background-color: #87d2e0;
  border: 1px solid #0822b7;
  border-radius: 10px;
}

/* style the heading */
h1 {
  font-size: 36px;
  text-align: center;
  color: #9a2a2a;
}

textarea {
  height: 150px;
}

.v .question button{
  width: 100%;
  background-color: #000000;
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding: 20px 15px;
  border: none;
  outline: none;
  font-size: 22px;
  color: #ffffff;
  font-weight: 700;
  cursor: pointer;
}

.v .question p{
  font-size: 22px;
  max-height: 0;
  opacity: 0;
  line-height: 1.5;
  overflow: hidden;
  transition: all 0.6s ease;
}

.v .arrow {
  border: solid 1px #fff;
  border-width: 0 3px 3px 0;
  display: inline-block;
  padding: 3px;
}

.v .d-arrow{
  transition: transform 0.5s ease-in ;
  color: #fffffb;
}
```

About us(both html and css):

This is an HTML code for a webpage that displays information about a team and an "About Us" section. The webpage is divided into two parts: the "About Us" section and the "Our Team" section. The "About Us" section has a heading "About Us" and a paragraph describing the goals and objectives of the library. The "Our Team" section has four columns, each containing a picture of a team member, their name, their ID number, their email, and a button to contact them via email. The webpage is responsive and adjusts its layout based on the size of the screen. The CSS code defines the layout and styling of the webpage. The webpage has a simple, clean, and professional design.

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <meta name="viewport" content="width=device-width, initial-scale=1">
5  <style>
6  body {
7      font-family: Arial, Helvetica, sans-serif;
8      margin: 0;
9  }
10
11 html {
12     box-sizing: border-box;
13 }
14
15 *, *:before, *:after {
16     box-sizing: inherit;
17 }
18
19 .column {
20     float: left;
21     width: 24.3%;
22     margin-bottom: 16px;
23     padding: 0 8px;
24 }
25
26 .card {
27     text-align: center;
28     box-shadow: 3px 4px 8px 7px #rgba(0, 0, 0, 0.2);
29     margin: 40px;
30 }
31
32 .about-section {
33     padding: 50px;
34     text-align: center;
35     font-family: Verdana, Tahoma, sans-serif ;
36     background-color: ##474e5d;
37     color: #rgb(223, 213, 213);
38 }
```

```
.container {
  padding: 0 16px;
}

.container::after, .row::after {
  content: "";
  clear: both;
  display: table;
}

.title {
  color: #grey;
}

.button {
  border: none;
  outline: 0;
  display: inline-block;
  padding: 8px;
  color: white;
  background-color: #000;
  text-align: center;
  cursor: pointer;
  width: 100%;
}

.button:hover {
  background-color: #555;
}

@media screen and (max-width: 650px) {
  .column {
    width: 100%;
    display: block;
  }
}
```

```

}
</style>
</head>
<body>

<div class="about-section">
  <h1>About Us</h1>

  <p style="color: #bisque">Library sets the goal integrating information sources and services across disciplines in one umbrella by building a sound and comprehensive collection of both conventional and electronic resources on all branches of knowledge with a robust hi-tech infrastructural facilities and to redesign the systems and services in efficient, effective, and dynamic ways tailoring to meet the myriad information needs of students, research scholars, and faculty members of the university pin-pointedly, exhaustively and expeditiously anywhere on campus for promoting academic excellence.</p>
</div>

<h2 style="text-align:center; color: #rgb(19, 81, 61);>Our Team</h2>
<div class="row">
  <div class="column">
    <div class="card">
      
      <div class="container">
        <h2>Sambit Kumar Meher</h2>
        <p class="title">UCSE21050</p>

        <p>UCSE21050@stu.xim.edu.in</p>
        <p><a href="mailto:ucse21050@stu.xim.edu.in"><button class="button">Contact</button></a></p>
      </div>
    </div>
  </div>
</div>

<div class="column">
  <div class="card">
    
    <div class="container">
      <h2>Pratik Das</h2>
      <p class="title">UCSE21045</p>

```

```

    <p>UCSE21045@stu.xim.edu.in</p>
    <p><a href="mailto:ucse21045@stu.xim.edu.in"><button class="button">Contact</button></a></p>
  </div>
</div>

<div class="column">
  <div class="card">
    
    <div class="container">
      <h2>Prerna Pattanaik</h2>
      <p class="title">UCSE21061</p>

      <p>ucse21061@stu.xim.edu.in</p>
      <p><a href="mailto:ucse21061@stu.xim.edu.in"><button class="button">Contact</button></a></p>
    </div>
  </div>
</div>

<div class="column">
  <div class="card">
    
    <div class="container">
      <h2>Tattvam Shiva Chaturvedi</h2>
      <p class="title">UCSE21065</p>

      <p>UCSE21065@stu.xim.edu.in</p>
      <p><a href="mailto:ucse21065@stu.xim.edu.in"><button class="button">Contact</button></a></p>
    </div>
  </div>
</div>

</body>
</html>

```

FAQ CODE:

This is an HTML code for a webpage displaying frequently asked questions (FAQs) for a book lending library. The webpage has a title "FAQs" and includes a CSS stylesheet "styles.css" and a JavaScript file "faq.js".

The main content of the webpage is inside the body tag. It contains a section tag with a title "FAQs". Inside the section tag, there is a div tag with a class "questions-container".

Inside the "questions-container" div tag, there are four "question" div tags, each with a button and a paragraph tag. The button contains a span tag with a question, and an arrow icon. The paragraph tag contains the answer to the question.

The JavaScript file "faq.js" is likely used to handle user interaction with the questions, such as toggling the display of answers when the user clicks on a question button. However, without seeing the contents of "faq.js", it is not possible to know exactly what the script does.

```
<p>A student can issue a book for 14 days exceeding to which fine of Rupees 5 per day will be applicable.</p>
</div>

<div class="question">
    <button>
        <span>How many books can a student issue at once?</span>
        <i class="arrow d-arrow"></i>
    </button>
    <p>A student can issue maximum of 2 books at the same time.</p>
</div>
</div>
</section>

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

</body>

</html>
```

CONTACT US:

The code appears to be an HTML file for a "Contact Us" page. It includes a title tag and a link to an external stylesheet. There is also a container with a heading of "Contact Us".

HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>Contact Us</title>
    <link rel="stylesheet" type="text/css" href="styles.css">
    <a href=".//library.html"></a>
</head>
<body>
    <div class="container">
        <h1>Contact Us</h1>
        <script src="https://sheetdb.io/s/f/bpbrihn7mq31t.js"></script>
    </div>
</body>
</html>
```

CSS

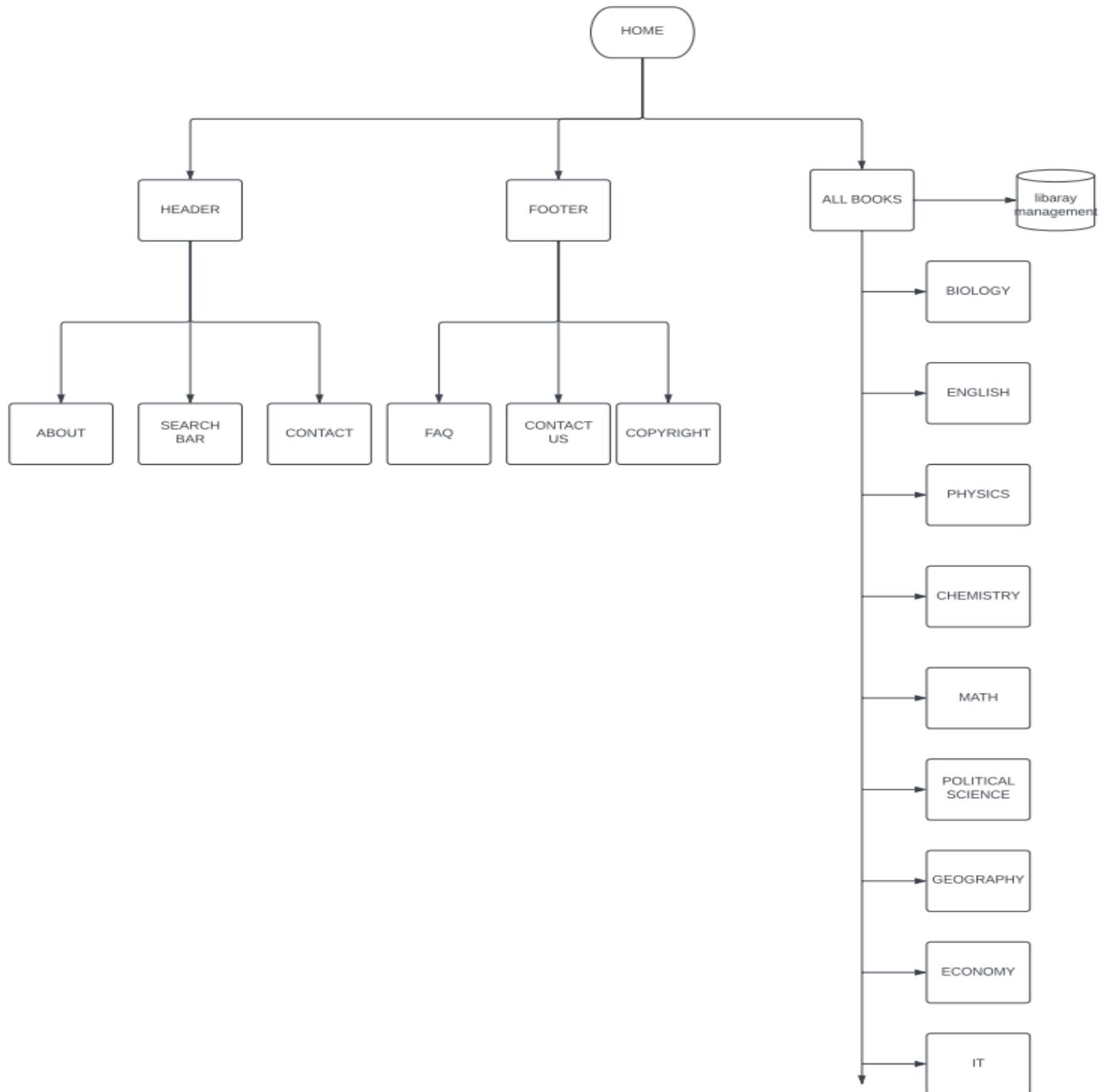
```
/* contact us */
body {
  margin: 0;
  padding: 0;
  font-family: Arial, sans-serif;
}

/* style the container */
.container {
  max-width: 800px;
  margin: 0 auto;
  padding: 20px;
  background-color: #87d2e0;
  border: 1px solid #0822b7;
  border-radius: 10px;
}

/* style the heading */
h1 {
  font-size: 36px;
  text-align: center;
  color: #9a2a2a;
}

textarea {
  height: 150px;
}
```

FLOWCHART:



Work to be done:

- It will have features like user login, faculty login and admin login whose database is still in working.
- The search function is under construction.
- More databases like number of books, fine, availability of books to be added soon.

THANK YOU :)