ONLINE BOOKSTORE MANAGEMENT SYSTEM

by

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CERTIFICATE

Certified that this project report entitled "**ONLINE BOOKSTORE MANAGEMENT**" is a bonafide work of **SHAMBHAVI PARASHAR (16BCE1099), PRERNA AGARWAL (16BCE1350), SHRAVYA SRINIVAS (16BCE1371)** who carried out the "J"-Project work under my supervision and guidance for CSE3002- INTERNET AND WEB PROGRAMMING.

ABSTRACT

This is an online bookstore software that acts as a central database containing various books in stock along with their title, author and cost. This web project is developed using HTML and JavaScript as the front end and SQL as a back-end. The SQL database stores various book related details. A user visiting the website can see a wide range of books. The user may select desired book and view its price. Once the user selects a book, he then has to fill in the a form and then the book is ordered.
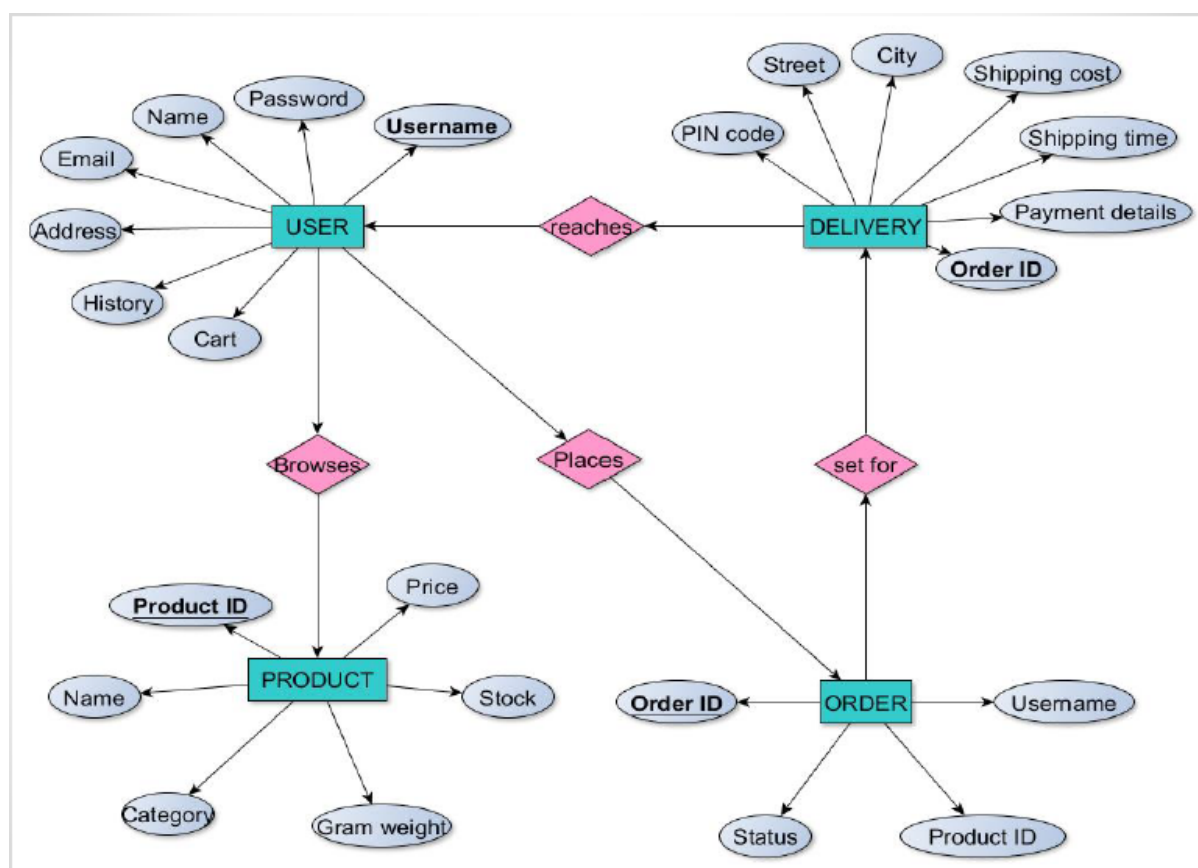
ACKNOWLEDGEMENT

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We also take this opportunity to thank all the faculty of the School for their support and their wisdom imparted to us throughout the course.

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1. INTRODUCTION

1.1 OBJECTIVES AND GOALS

The objective is to make bookstores more easily accessible to people. Often people (especially those living alone) find it difficult to find a bookstore searching around for books when bored. Also, many a times the effort of going to the bookstore is rendered useless if the book is out of stock. Hence, a convenient way is to order one's needs online. Our website provides its users the facility to search for books, check stock and order book trends online saving them the effort to find a bookstore.

MODULES IN THE PROJECT

- Login/ Registration portal

- Product details

- Adding to cart/ shopping cart

- Placing order

- Transaction portal

- User account

- Admin portal

2. CODES

REGISTRATION PAGE

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "project2";
// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error)
{
   die("Connection failed: " . $conn->connect_error);
}
$i=0;
$check="select * from user_details;";
$r=$conn->query($check);
$uname=[];
$email=[];
$mobile=[];
while($m=mysqli_fetch_array($r))
      {
              $uname[$i]=$m['Username'];
              $email[$i]=$m['email'];
              $mobile[$i++]=$m['mobile'];
      }
if($_POST)
{
      $un=$_POST['username1'];
      $em=$_POST['email'];
      $mob=$_POST['mob'];
      $pwd=str_rot13($_POST["pwd1"]);
      $sql = "INSERT INTO user_details (Name, Username, pwd, dob, gender, pin,
locality, address, city, state, email, mobile)
      VALUES
      ('$_POST[name]', '$_POST[username1]','$pwd', '$_POST[dob]', '$_POST[gender]',
'$_POST[pin]','$_POST[locality]', '$_POST[add]', '$_POST[city]', '$_POST[states]',
'$_POST[email]', '$_POST[mob]')";
      if ($conn->query($sql)=== TRUE) // Session can be applied here instead
      {
```

```
                echo "<script>alert('Registered successfully. Now try to log in');
window.open('M4A_Main.php','_self');</script>";
        }
        else
        {
                echo"<script> alert('Registration unsuccessful. Try again');
window.open('Register.php','_self');</script>";
        }
        $conn->close();
}
?>
<!Doctype html>
<html>
<head>
        <title>Meds For All</title>
        <link rel="icon" type="type/png" href="icon.png">
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <style>
        #h
        {
                background-color: rgb(90,90,90);
                padding:10px;
        }
        #ima
        {
                width:130px;
                height:100px;
                vertical-align: middle;
        }
        #f
        {
                background-color: rgb(90,90,90);
                text-align: center;
                color:lightgrey;
                flex-grow:1;
                padding: 15px;
                clear:both;
        }
        #Name, #pwd1, #pwd2, #Mob, #Email, #dob, #pin,
        #locality, #add, #state, #city, #Username1
  {
    padding:5px;
```

```css
    background-color: rgb(200,200,200);
    flex-grow: 1;
    min-width: 20rem;
    margin:0.5rem;
    font-size: 110%;
    vertical-align: middle;
  }
      #registration
  {
    text-decoration: none;
    color: rgb(200,200,200);
    display: block;
    font-size: 110%;
  }
      #reg, #Register
  {
    padding:10px;
    margin:0.5rem;
    background-color: rgb(200,200,200);
    font-size: 110%;
    vertical-align: middle;
  }
  div.container{
      width: 700px;
      height: 610px;
      margin:35px auto;
      font-family: 'Raleway', sans-serif;
      }
      div.main{
      width: 600px;
      padding: 10px 50px 10px;
      border: 6px solid gray;
      border-radius: 10px;
      font-family: Cambria;
      float:left;
      }
      </style>
</head>
<body style="background-color:rgb(90,90,90);">
   <!-- The section below contains the design for the search box, search button and the
Login/Register portal -->
      <div>
              <header id="h" style="background-color:rgb(24,24,24)">
```

```html
                    <div align="center">
                            <div>
                                    <img src="icon.png" id="ima">
                            </div>
            </header>
    </div>
    <br>
    <h1 style="color:lightgrey;" align="center">Registration Form</h1>
    <div class="container" align="center">
            <div class="main">
                    <p id='alerting' style="color:lightgrey;font-size: 110%;"></p>
                    <p id='alerting1' style="color:lightgrey;font-size: 110%;"></p>
                    <form name="Register" id="registration" action="<?php echo
$_SERVER['PHP_SELF']; ?>" method="post" onsubmit="return validation()">
                    <table>
                    <tr><td>Full Name: </td><td><input type="text" name="name"
id="Name"></td></tr>
                    <tr><td>Date of Birth: </td><td><input type="date" name="dob"
id="dob"></td></tr>
                    <tr><td rowspan="2">Gender: </td>
                    <td><input type="radio" name="gender" id="male"
value="male">Male</td></tr>
                    <tr><td><input type="radio" name="gender" id="female"
value="female">Female</td></tr>
                    <tr><td>Username: </td><td><input type="text"
name="username1" id="Username1" onchange="checkun(this.value)"></td></tr>
                     <tr><td>Password: </td><td><input type="password"
name="pwd1" id="pwd1"></td></tr>
                    <tr><td>Re-Enter Password: </td><td><input type="password"
name="pwd2" id="pwd2" onkeyup="checkpwd(this.value); return false;"></td></tr>
                    <tr><td>Pincode: </td><td><input type="text" name="pin"
id="pin"></td></tr>
                    <tr><td>Locality: </td><td><input type="text" name="locality"
id="locality"></td></tr>
                    <tr><td>Address and Street: </td><td><textarea rows="3" col="5"
name="add" id="add" style="font-family:cambria"></textarea></td></tr>
                    <tr><td>City/District/Town: </td><td><input type="text"
name="city" id="city"></td></tr>
                    <tr><td>State: </td><td><input type="text" id="state"
name="states"></td><tr>
                    <tr><td>Mobile Number: </td><td><input type="text"
name="mob" id="Mob" onchange="checkmob(this.value)"></td></tr>
```

```
                    <tr><td>Email: </td><td><input type="email" name="email"
id="Email" onchange="checkemail(this.value)"></td></tr>
                    </table>
                    <input type="submit" value="Register" id="reg">
                  </form>
               </div>
          </div>
          <!-- The secton below contains the design for the footer -->
          <div>
                  <footer id="f" text-align=center>Copyright &copy; A&T Designs</footer>
          </div>
</body>
<script>
//Function to check the validity of password
function checkpwd(str)
{
   //Store the password field objects into variables ...
   var pass1 = document.getElementById('pwd1');
   var pass2 = document.getElementById('pwd2');
   //Set the colors we will be using ...
   var goodColor = "#66cc66";
   var badColor = "#ff6666";
   //Compare the values in the password field
   //and the confirmation field
   if(pass1.value === str)
   {
      //The passwords match.
      //Set the color to the good color and inform
      //the user that they have entered the correct password
      var decimal=  /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[^a-zA-Z0-9])(?!.*\s).{8,15}$/;
               if(pass1.value.match(decimal))
         pass2.style.backgroundColor = goodColor;
      else
      document.getElementById("alerting1").innerHTML="Make a password such that
there is atleast"+
      " one uppercase letter, one number, one special character and length is greater than
8";
   }
   else
   {
      //The passwords do not match.
      //Set the color to the bad color and
      //notify the user.
```

```
      pass2.style.backgroundColor = badColor;
   }
}
//Function to check the validity of all fields
function validation()
{
        if(document.getElementById('Name').value=="")
        {
                document.getElementById("alerting").innerHTML="Please enter your
name";
                document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
                return false;
        }
        if(!document.getElementById('dob').value)
        {
                document.getElementById("alerting").innerHTML="Please enter your
date of birth";
                document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
                return false;
        }
        if(!(document.getElementById('male').checked ||
document.getElementById('female').checked))
        {
                document.getElementById("alerting").innerHTML="Please pick a
gender";
                document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
                return false;
        }
        if(document.getElementById('Username1').value=="")
        {
                document.getElementById("alerting").innerHTML="Please enter a
usename";
                document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
                return false;
        }
        if(document.getElementById('pwd1').value=="")
        {
                document.getElementById("alerting").innerHTML="Please enter a
password";
```

```javascript
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('pin').value=="" ||
(document.getElementById('pin').value).match(/[^0-9]/g) ||
document.getElementById('pin').value.length!=6)
        {
            document.getElementById("alerting").innerHTML="Please enter a valid
pin number";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('locality').value=="")
        {
            document.getElementById("alerting").innerHTML="Please enter your
locality";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('add').value=="")
        {
            document.getElementById("alerting").innerHTML="Please enter your
address";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('city').value=="")
        {
            document.getElementById("alerting").innerHTML="Please enter your
City/Town/District";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('state').value=="")
        {
            document.getElementById("alerting").innerHTML="Please enter your
state";
            document.body.scrollTop = 0;
```

```
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('mob').value=="" ||
(document.getElementById('mob').value).match(/[^0-9]/g) ||
document.getElementById('mob').value.length!=10)
        {
            document.getElementById("alerting").innerHTML="Please enter a valid
mobile number";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
        if(document.getElementById('email').value=="")
        {
            document.getElementById("alerting").innerHTML="Please enter your
email address";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            return false;
        }
}
function checkun(name)
{
        var username = <?php echo '["' . implode('", "', $uname) . '"]' ?>;
        if(username.indexOf(name)!=-1)
        {
            document.getElementById("alerting").innerHTML="Username Exists. Try
another one";
            document.body.scrollTop = 0;
        document.documentElement.scrollTop = 0;
            document.getElementById('Username1').value="";
        }
}
function checkemail(em)
{
        var email = <?php echo '["' . implode('", "', $email) . '"]' ?>;
        if(email.indexOf(em)!=-1)
        {
            alert("Email exists. That means you have an account. Log in instead.");
            window.open('M4A_Main.php','_self');
        }
}
```

```
function checkmob(mob)
{
        var mobno = <?php echo '["' . implode('", "', $mobile) . '"]' ?>;
        if(mobno.indexOf(mob)!=-1)
        {
                alert("Mobile number exists. That means you have an account. Log in
instead.");
                window.open('M4A_Main.php','_self');
        }
}
</script>
</html>
```

LOGIN PAGE

```php
<?php
$flag=0;
$username=$_POST["username"];
$password=str_rot13($_POST["pwd"]);
$s=mysqli_connect("localhost","root","","project2");
$a="select * from user_details;";
$r=mysqli_query($s,$a);
while($m=mysqli_fetch_array($r))
{
        if($username===$m['Username'] && $password===$m['pwd'])
        {
                session_start();
                $flag=1;
                $_SESSION['name']=$m['Name'];
                $_SESSION['username']=$username;
                header('Location:M4A.php');
        break;
        }
}
if($flag==0)
{
        echo "<script>alert('Login unsuccessful. Try again');
window.open('M4A_Main.php','_self')</script>";
}
?>
```

COVER PAGE

```php
<?php
session_start();
if (isset($_SESSION['name']) && isset($_SESSION['username']))
        header("Location: M4A.php");
?>
<!Doctype html>
<html>
<head>
        <title>Meds For All</title>
        <link rel="icon" type="type/png" href="icon.png">
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <style>
        #h
        {
                background-color: rgb(90,90,90);
                padding:10px;
        }
        #ima
        {
                width:130px;
                height:100px;
                vertical-align: middle;
                padding-left: 1.8em;
                padding-right: 9.0em;
        }
        #S
        {
                padding:10px;
                background-color: rgb(200,200,200);
                flex-grow: 1;
                min-width: 35rem;
                margin:0.5rem;
                font-size: 110%;
                vertical-align: middle;
        }
        #Search
        {
                padding:10px;
                margin:0.5rem;
                background-color: rgb(200,200,200);
```

```css
        font-size: 110%;
        vertical-align: middle;
}
nav ul
{
        background-color: rgb(24,24,24);
        list-style-type: none;
        overflow:hidden;
        font-size: 110%
}
nav ul li
{
        float:right;
        flex-grow: 1;
        min-width: 150px;
        text-align:center;
}
nav ul li a
{
        display:block;
        text-decoration: none;
        color: rgb(200,200,200);
        padding:10px;
        font-size: 110%;
}
nav ul li a:hover
{
        background-color: lightgrey;
        color:black;
        padding:10px;
}
#f
{
        background-color: rgb(90,90,90);
        text-align: center;
        color:lightgrey;
        flex-grow:1;
}
#prev, #next
{
        cursor: pointer;
        position: absolute;
        top: 60%;
```

```css
            width: auto;
            color:black;
            font-weight: bold;
            border-radius: 0 3px 3px 0;
            font-size: 50px;
            padding:16px;
            transition: 0.5s ease;
    }
    #next
    {
            right: 0;
            border-radius: 3px 0 0 3px;
    }
    #prev
    {
            left:0;
    }
    #prev:hover, #next:hover
    {
            color:white;
            background-color: black;
    }
    #image
    {
            width: 100%;
            height: 338px;
    }
    /* Login box modal box*/
    #imamodal
{
  width:130px;
  height:100px;
  padding-left: 9em;
  padding-right: 9em;
}
    .modal, .modal2
{
  display: none; /* Hidden by default */
  position: absolute; /* Stay in place */
  z-index: 1; /* Sit on top */
  padding-top: 100px; /* Location of the box */
  left: 0;
  top: 0;
```

```css
  width: 100%; /* Full width */
  height: 100%; /* Full height */
  background-color: rgb(0,0,0); /* Fallback color */
  background-color: rgba(0,0,0,0.5); /* Black w/ opacity */
}
    .modal-content
{
  background-color: rgb(90,90,90);
  margin: auto;
  padding: 20px;
  border: 1px solid #888;
  width: 80%;
}
    .modal-head
{
  background-color: rgb(24,24,24);
  padding:5px;
}
#Username, #pwd
{
  padding:5px;
  background-color: rgb(200,200,200);
  flex-grow: 1;
  min-width: 20rem;
  margin:0.5rem;
  font-size: 110%;
  vertical-align: middle;
}
    #log, #registration
{
  text-decoration: none;
  color: rgb(200,200,200);
  text-align:center;
  display: block;
  font-size: 110%;
}
    #Login, #reg
{
  padding:10px;
  margin:0.5rem;
  background-color: rgb(200,200,200);
  font-size: 110%;
  vertical-align: middle;
```

```html
    }
        </style>
</head>
<body style="background-color:rgb(90,90,90);">
        <!-- The section below contains the design for the search box, search button and
the Login/Register portal -->
        <div>
                <header id="h" style="background-color:rgb(24,24,24)">
                        <div style="font-family:Cambria;">
                                <form>
                                        <div style="font-family:Cambria; font-size:200%;">
                                                <img src="icon.png" id="ima">
                                        </div>
                                        <br><br>
                                        <div align="center" style="clear:both">
                                                <input type="text" id="S" name="S"
placeholder="Search medicine..." align="center">
                                                <input type="submit" id="Search"
Value="Search">
                                        </div>
                                </form>
                        </div>
                <!-- The section below contains the design for the navigation button -->
                <div>
                        <nav>
                                <ul>
                                        <li><a style="cursor: pointer;"
onclick="login()">Login/Register</a></li>
                                        <li><a style="cursor: pointer;"
onclick="login()">About Us</a></li>
                                        <li><a style="cursor: pointer;"
onclick="login()">FAQ</a></li>
                                        <li><a style="cursor: pointer;"
onclick="login()">Products</a></li>
                                        <li><a href="M4A_Main.php">Home</a></li>
                                </ul>
                        </nav>
                </div>
                </header>
        </div>
        <br>
        <!-- The section below contains the design for a slideshow -->
        <div>
```

```html
            <a onclick="prev()" id="prev">&#10094</a>
            <img id="image" src="">
            <a onclick="next()" id="next">&#10095</a>
        </div>
        <br>
        <br>
        <br>
        <!--Modal box for login with an alternative to register if there is no account -->
        <div id="Modal" class="modal">
    <div class="modal-content">
        <form name="Log" id="log" action="login.php" method="post" onsubmit="return
check()">
        <div class="modal-head">
          <img src="icon.png" id="imamodal">
        </div>
        <center>
          <br><br>
          <table style="color:lightgrey; font-size:110%">
            <tr><td>Username: </td><td><input type="text" name="username"
id="Username"></td></tr>
            <tr><td>Password: </td><td><input type="password" name="pwd"
id="pwd"></td></tr>
          </table>
          <input type="Submit" value="Log in" id="Login">
        </form>
        <hr width="500" border="4">
        OR
        <form name="register">
          <input type="button" value="Register" name="reg" id="reg"
onclick="redirect()">
        </form>
        </center>
      </div>
    </div>
        <!-- The secton below contains the design for the footer -->
        <div>
                <footer id="f" text-align=center>Copyright &copy; A&T Designs</footer>
        </div>
<script language="javascript">
// Automatic Slideshow - change image every 5 seconds
var imslider=["1 one.jpg","2 two.jpg","3 three.jpg","4 four.jpg"];
num=0;
var img=document.getElementById("image");
```

```
img.src=imslider[num];
setInterval(next,5000);
function next()
{
        num++;
        if(num>=imslider.length)
                num=0;
        img.src=imslider[num];
}
function prev()
{
        num--;
        if(num<0)
                num=3;
        img.src=imslider[num];
}
//Function for the modal box
setTimeout(login,7000);
var modal = document.getElementById('Modal');
var regis=document.getElementById('Modal2');
function login() {
   modal.style.display = "block";
}
function redirect()
{
   window.open("Register.php","_self");
}
function check()
{
        un=document.getElementById("Username").value;
        pwd=document.getElementById("pwd").value;
        if(un=="")
        {
                alert("Enter username");
                return false;
        }
        else if(pwd=="")
        {
                alert("Enter password");
                return false;
        }
}
</script>
```

```
</body>
</html>
```

LOGOUT PAGE

```php
<?php
session_start();
if (isset($_SESSION['name']) && isset($_SESSION['username']))
{
        $_SESSION['name']="";
        $_SESSION['username']="";
        session_unset();
        session_destroy();
}
?>
<script>
function disableBack()
{
        window.history.forward();
}
disableBack();
window.onload=disableBack();
window.onpageshow = function(event)
{
        if (event.persisted)
                disableBack();
}
window.onunload = function()
{
        void(0);
}
window.open('M4A_Main.php','_self');
</script>
```

3. OUTPUT SCREENSHOTS

Main page
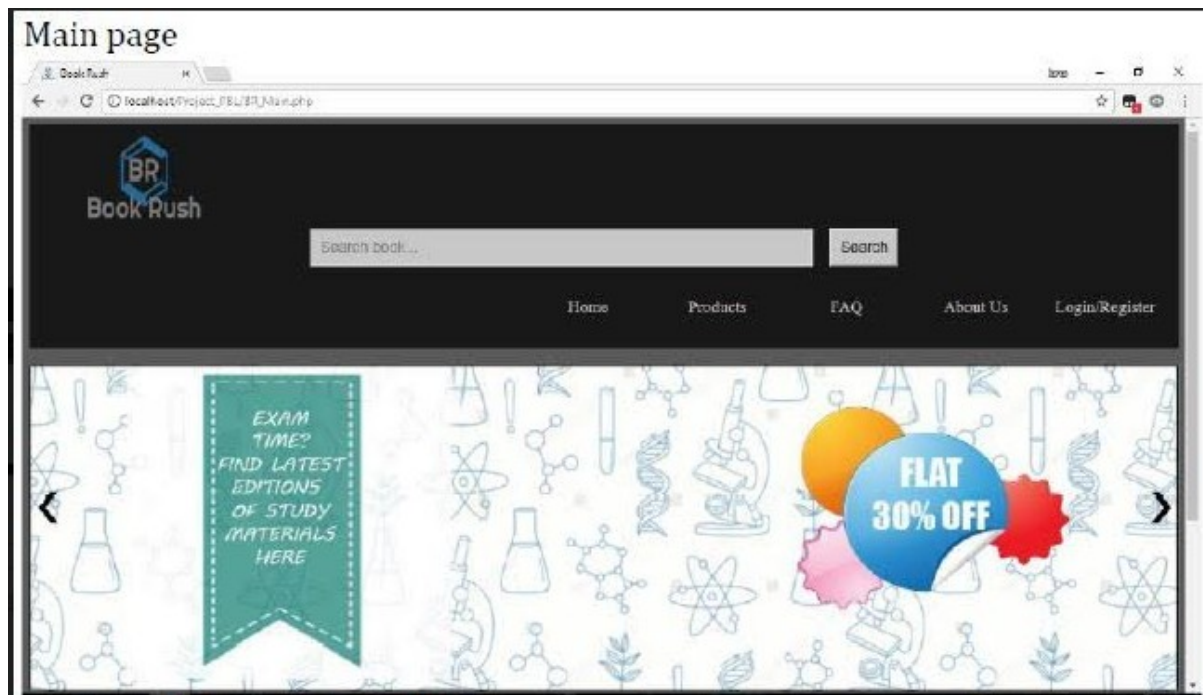
Login
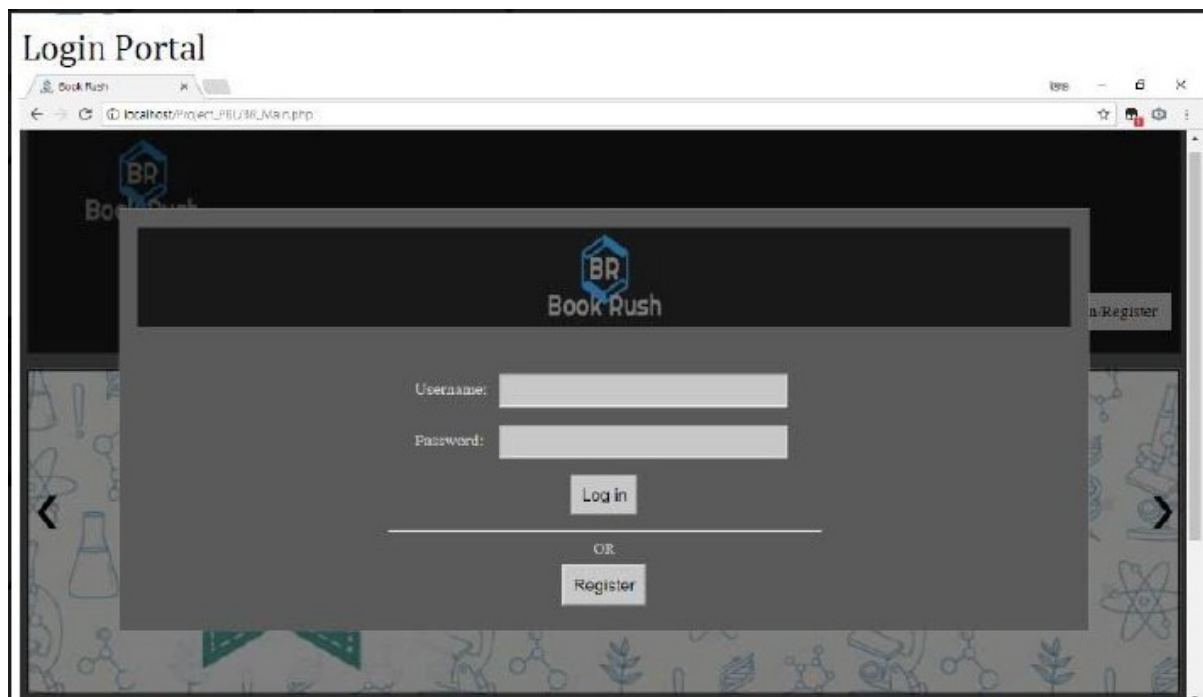
4. CONCLUSION AND FUTURE WORK

Realising this website on a business basis is an efficient, social and thoughtful way of facilitating customer purposes. A smarter approach to this scenario would be having tie ups with many different trustworthy suppliers for each category of book. This website provides a basic description of the purpose.

Future Work :

- Combined cart using Ajax

- Cloud based storage of user and product information

- Different number of pages for products as the number of products increases

- Detailed transaction process with OTP and third party involvement

- More filter and sort options based on new and old stocks

5. REFERENCES

1. www.google.com

2. www.netmeds.com

3. www.w3schools.com

4. www.tutorialspoint.com