

C22483302 Sergei Larionov

FILES USED:

Connection.php – this creates the connection between the database and the website.

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "assignmentdb";

// create connection
$conn = new mysqli($servername, $username, $password, $dbname);

// check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
```

Functions.php – checks if the user is logged in and if not will be redirected to the login page.

```
<?php

function checklogin($conn)
{
    if(isset($_SESSION['username']))
    {
        $username = $_SESSION['username'];
        $query = "select * from users where username = '$username' limit 1";
        $result = mysqli_query($conn, $query);
        if($result && mysqli_num_rows($result) > 0)
        {
            $userdata = mysqli_fetch_assoc($result);
            return $userdata;
        }
    }

    //redirect to login
    header("Location: login.php");
    die;
}
```

Login.php – this is the page that will start up when the website is ran. The user must sign in to use the website and its functions. It will check the database to see if the username and password matches the database. There is a button to allow the user to register on the register page if they have not yet registered.

```
<?php
session_start();

include("connection.php");
include("functions.php");

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    $username = $_POST['username'];
    $password = $_POST['password'];

    if(!empty($username) && !empty($password)){
        $query = "select * from users where username = '$username' limit 1";
        $result = mysqli_query($conn, $query);

        if($result)
        {
            if($result && mysqli_num_rows($result) > 0)
            {
                $userdata = mysqli_fetch_assoc($result);

                if($userdata['password'] === $password)
                {
                    $_SESSION['username'] = $userdata['username'];
                    header("Location: home.php");
                    die;
                }
            }
        }
        echo "wrong username or password";
    }
    else{
        echo "Invalid information";
    }
}
?>

<html>
<head>
    <title>Arklow Library</title>
    <link rel="stylesheet" type="text/css" href="css/style.css">
</head>

<body>
```

```

<div class="banner">
  <div class="navbar">
    
    <ul>
      <li><a href="home.php">Home</a></li>
      <li><a href="search.php">Search</a></li>
      <li><a href="login.php">Log In</a></li>
    </ul>
  </div>

  <div class="loginbox">
    <form method="post">

      <h1>Login</h1>

      <div class="inputbox">
        <input type="text" placeholder="Username" name="username">
      </div>
      <div class="inputbox">
        <input type="password" placeholder="Password"
name="password">
      </div>
      <button type="submit" class="btn" value="Login">Login</button>
      <div class="registerlink">
        <p>Don't have an account? <a
href="register.php">Register</a></p>
      </div>
    </form>
  </div>
</div>

<footer>
  <div class="footerRow">
    <div class="footerCol">
      <p class="footerText">Developed by Sergei Larionov.</p>
      <p class="footerText">Contact Us: 083 312 4053</p>
    </div>
    <div class="footerCol socialMediaFollow">
      <h2 class="socialMediaHeader">Follow Arklow Library on Social
Media</h2>
      <h5 class="socialMediaStatus">Currently Unavailable</h5>
      <div class="socialMediaPictures">
        
        
        

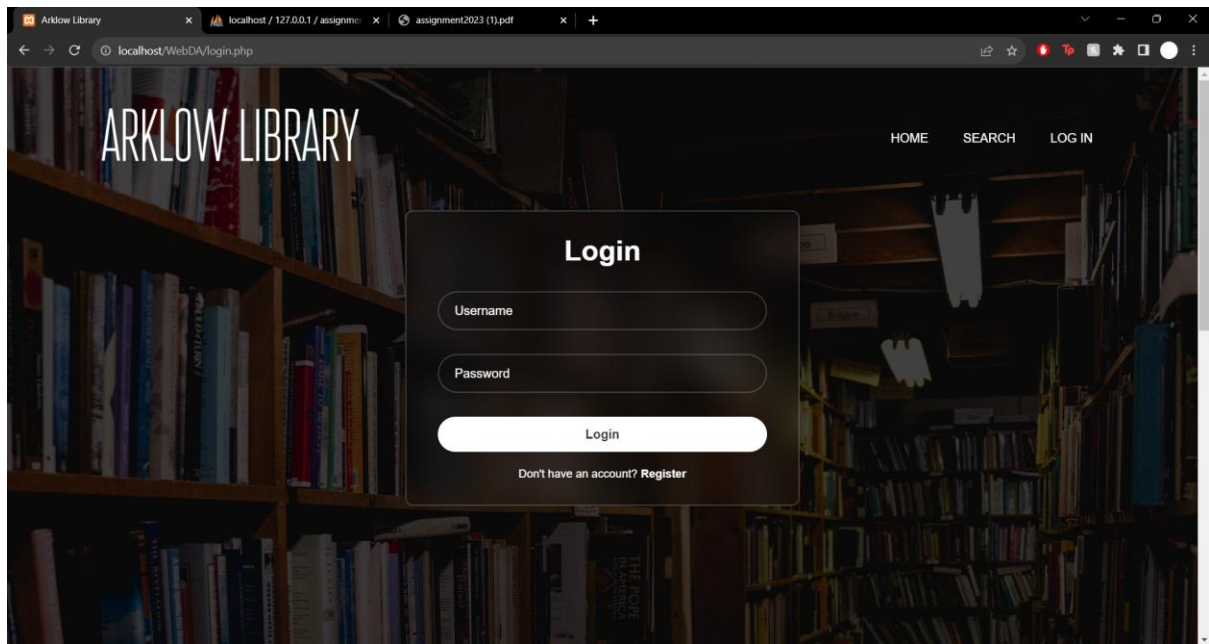
```

```

        </div>
    </div>
</div>
</footer>

</body>
</html>

```



Register.php – this is where the user creates an account which will be inserted into the database. There is error checking to ensure the correct information is inserted and after registering the user is sent back to the login page.

```

<?php
session_start();

include("connection.php");
include("functions.php");

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    $username = $_POST['username'];
    $password = $_POST['password'];
    $passwordconfirm = $_POST['passwordconfirm'];
    $firstname = $_POST['firstname'];
    $surname = $_POST['surname'];
    $addressline1 = $_POST['addressline1'];
    $addressline2 = $_POST['addressline2'];
    $city = $_POST['city'];
    $telephone = $_POST['telephone'];
    $mobile = $_POST['mobile'];

    // checks if both numbers are 10 characters long and are numeric

```

```

        if (!is_numeric($telephone) || strlen($telephone) !== 10 ||
!is_numeric($mobile) || strlen($mobile) !== 10) {
            echo "Invalid mobile or telephone number. Please enter numeric values
with 10 characters.";
            die;
        }

        // checks if password is 6 characters long and matches password
confirmation
        if (strlen($password) !== 6 || $password !== $passwordconfirm) {
            echo "Invalid password. Password should be at least six characters and
match the confirmation.";
            die;
        }

        // checks if username already taken
        $check_query = "SELECT * FROM users WHERE username = '$username'";
        $result = mysqli_query($conn, $check_query);
        if (mysqli_num_rows($result) > 0) {
            echo "Username '$username' has already been taken. Please choose a
different username.";
            die;
        }

        // checks if all boxes are filled and registers user
        if(!empty($username) && !empty($password) && !empty($firstname) &&
!empty($surname) && !empty($addressline1) && !empty($addressline2) &&
!empty($city) && !empty($telephone) && !empty($mobile)){
            $query = "INSERT INTO users (username, password, firstname, surname,
addressline1, addressline2, city, telephone, mobile) VALUES ('$username',
'$password', '$firstname', '$surname', '$addressline1', '$addressline2',
'$city', '$telephone', '$mobile')";
            mysqli_query($conn, $query);

            header("Location: login.php");
            die;
        }
        else{
            echo "Invalid information";
        }
    }
    ?>

<html>
<head>
    <title>Arklow Library</title>
    <link rel="stylesheet" type="text/css" href="css/style.css">
</head>

```

```

<body>
  <div class="banner">
    <div class="navbar">
      
      <ul>
        <li><a href="home.php">Home</a></li>
        <li><a href="search.php">Search</a></li>
        <li><a href="reserve.php">Reserved</a></li>
        <li><a href="login.php">Log In</a></li>
      </ul>
    </div>

    <div class="loginbox">
      <form method="post">

        <h1>Register</h1>

        <div class="inputbox">
          <input type="text" placeholder="Username" name="username">
        </div>
        <div class="inputbox">
          <input type="password" placeholder="Password"
name="password">
        </div>
        <div class="inputbox">
          <input type="password" placeholder="Re-enter Password"
name="passwordconfirm">
        </div>
        <div class="inputbox">
          <input type="text" placeholder="First name"
name="firstname">
        </div>
        <div class="inputbox">
          <input type="text" placeholder="Surname" name="surname">
        </div>
        <div class="inputbox">
          <input type="text" placeholder="Address line 1"
name="addressline1">
        </div>
        <div class="inputbox">
          <input type="text" placeholder="Address line 2"
name="addressline2">
        </div>
        <div class="inputbox">
          <input type="text" placeholder="City" name="city">
        </div>
        <div class="inputbox">

```

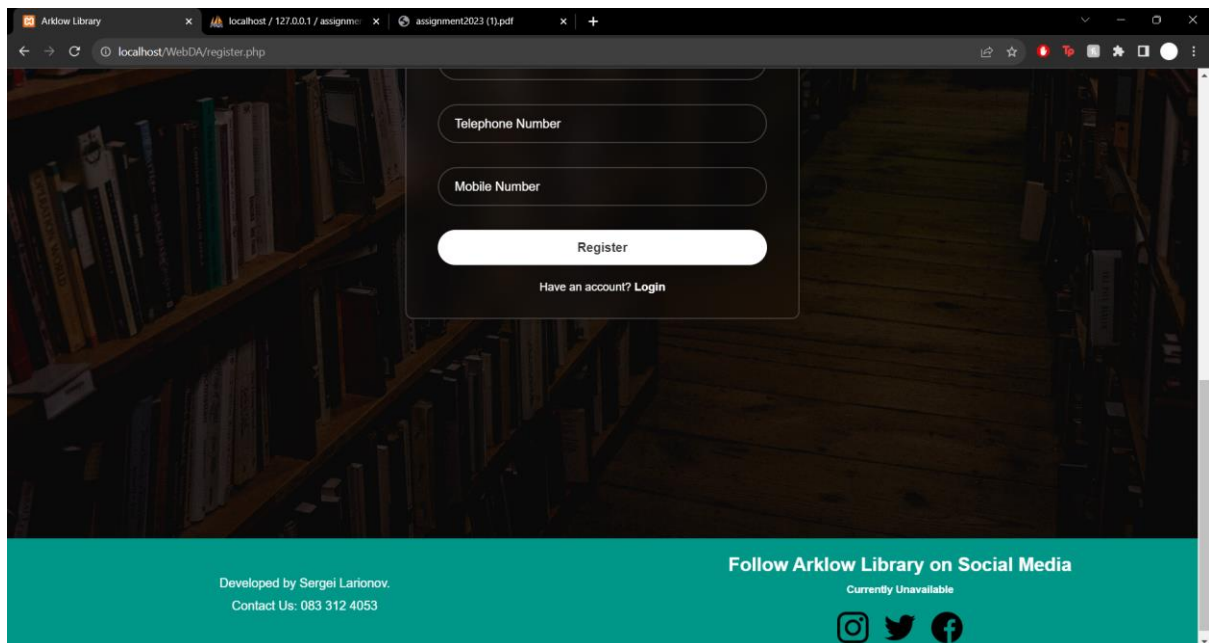
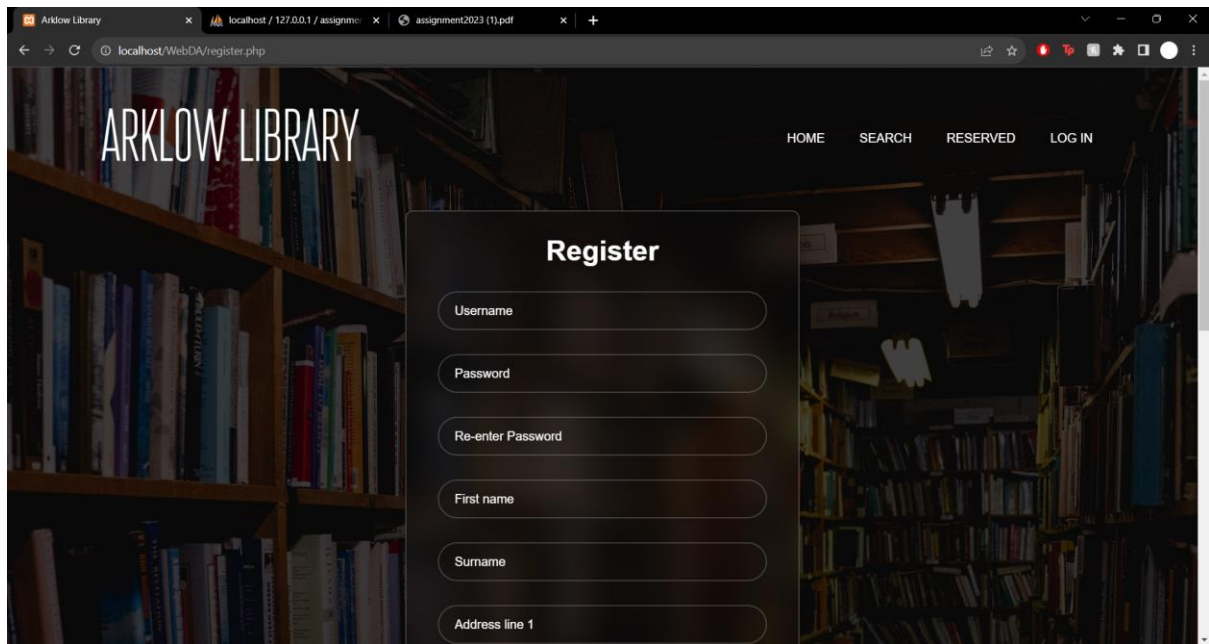
```

        <input type="text" placeholder="Telephone Number"
name="telephone">
    </div>
    <div class="inputbox">
        <input type="text" placeholder="Mobile Number"
name="mobile">
    </div>

    <button type="submit" class="btn"
value="Register">Register</button>
    <div class="registerlink">
        <p>Have an account? <a href="login.php">Login</a></p>
    </div>
</form>
</div>
</div>
</div>

<footer>
    <div class="footerRow">
        <div class="footerCol">
            <p class="footerText">Developed by Sergei Larionov.</p>
            <p class="footerText">Contact Us: 083 312 4053</p>
        </div>
        <div class="footerCol socialMediaFollow">
            <h2 class="socialMediaHeader">Follow Arklow Library on Social
Media</h2>
            <h5 class="socialMediaStatus">Currently Unavailable</h5>
            <div class="socialMediaPictures">
                
                
                
            </div>
        </div>
    </div>
</div>
</div>
</body>
</html>

```



Logout.php – located at the navbar this removes the session user and returns the user back to the login page essentially logging them out.

```
<?php
session_start();
session_destroy();
header("Location: login.php");
```

Home.php – after the user logs in they are greeted on the home page. It shows an about us section and allows the user to use the functions on top of the website like the home, search, reserved, and the logout options.

```
<?php
session_start();
```



```

include("connection.php");
include("functions.php");

$userdata = checklogin($conn);

?>

<html>
<head>
    <title>Arklow Library</title>
    <link rel="stylesheet" type="text/css" href="css/style.css">
</head>

<body>
    <div class="banner">
        <div class="navbar">
            
            <ul>
                <li><a href="home.php">Home</a></li>
                <li><a href="search.php">Search</a></li>
                <li><a href="reserve.php">Reserved</a></li>
                <li><a href="logout.php">Logout</a></li>
            </ul>
        </div>

        <div class="content">
            <h1>About Us</h1>
            <p>Welcome to Arklow Library, a haven for literature enthusiasts
and knowledge seekers in the heart of our vibrant community. Established with
a passion for fostering a love of reading and learning, Arklow Library has
been a cornerstone of education and cultural engagement since its inception.
Our library is more than just a repository of books; it's a place where
individuals of all ages come together to explore the vast realms of
literature, embark on intellectual journeys, and connect with the rich
tapestry of stories that shape our world.</p>
            <p>At Arklow Library, our dedicated team of librarians and staff
are committed to providing a welcoming and inclusive environment for patrons
to delve into the diverse collection of books, engage in thought-provoking
events, and participate in educational programs. Whether you're a student
seeking resources for academic pursuits, a family looking for exciting
storytelling sessions, or a curious mind eager to explore new literary
landscapes, Arklow Library is here to inspire, educate, and create a sense of
community. Join us as we celebrate the joy of reading and the boundless
possibilities that the world of literature unfolds.</p>
        </div>
    </div>

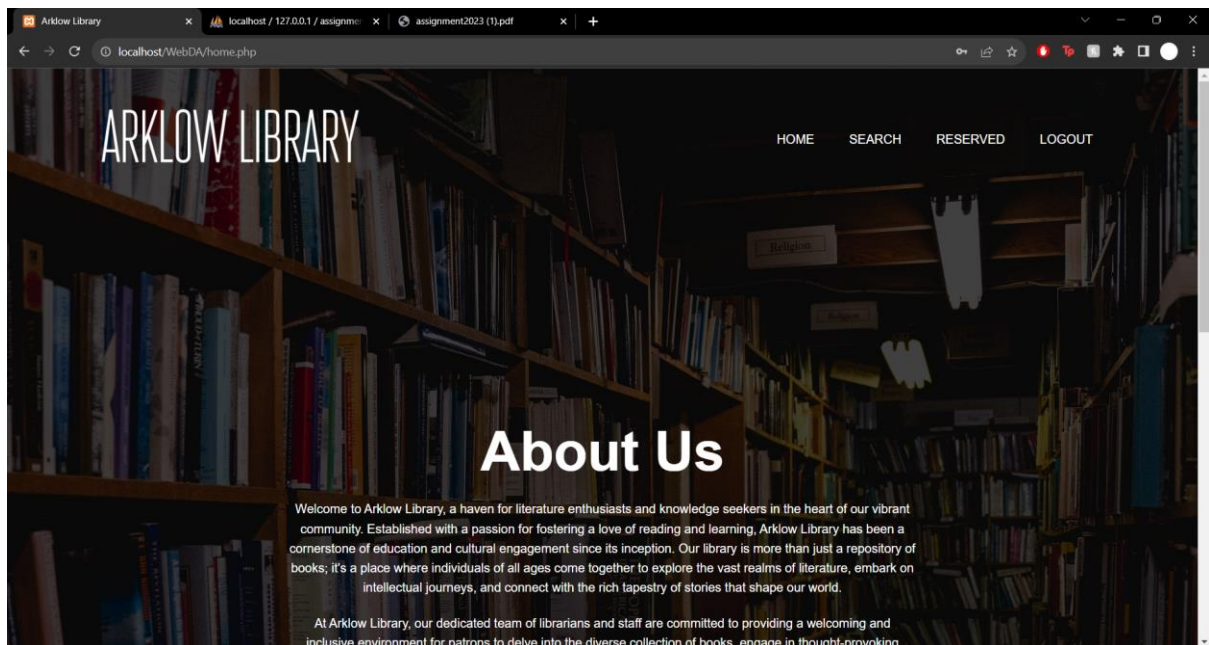
```

```

<footer>
  <div class="footerRow">
    <div class="footerCol">
      <p class="footerText">Developed by Sergei Larionov.</p>
      <p class="footerText">Contact Us: 083 312 4053</p>
    </div>
    <div class="footerCol socialMediaFollow">
      <h2 class="socialMediaHeader">Follow Arklow Library on Social
Media</h2>
      <h5 class="socialMediaStatus">Currently Unavailable</h5>
      <div class="socialMediaPictures">
        
        
        
      </div>
    </div>
  </div>
</footer>

</body>
</html>

```



search.php – this is the page where the user can search the list of books that are currently stored in the database. It first loads the entire list and the user can use the search bar for the author or the book title or can use the category dropdown box to narrow down their search. There is a button to allow the user to reserve the book if available (currently does not work) and if it is already reserved it will not let the user reserve.

```
<?php
session_start();
include("connection.php");
include("functions.php");

$userdata = checklogin($conn);

$booktitle = '';
$author = '';
$categoryid = '';
$result = null;

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    // gets user input from search form
    $booktitle = $_POST['booktitle'];
    $author = $_POST['author'];
    $categorydescription = $_POST['categorydescription'];

    $sql = "SELECT b.isbn, b.booktitle, b.author, b.edition, b.year,
c.categorydescription, b.reserved, r.username
    FROM books b
    LEFT JOIN categories c ON b.categoryid = c.categoryid
    LEFT JOIN reservations r ON b.isbn = r.isbn
    LEFT JOIN users u ON r.username = u.username
    WHERE 1";

    if (!empty($booktitle)) {
        $sql .= " AND booktitle LIKE '%$booktitle%'";
    }

    if (!empty($author)) {
        $sql .= " AND author LIKE '%$author%'";
    }

    if (!empty($categorydescription)) {
        $sql .= " AND categorydescription LIKE '%$categorydescription%'";
    }

    $result = $conn->query($sql);
}

else {
    // shows entire list of books before user input
```

```

    $sql = "SELECT b.isbn, b.booktitle, b.author, b.edition, b.year,
c.categorydescription, b.reserved, r.username
FROM books b
LEFT JOIN categories c ON b.categoryid = c.categoryid
LEFT JOIN reservations r ON b.isbn = r.isbn
LEFT JOIN users u ON r.username = u.username
WHERE 1";
    $result = $conn->query($sql);
}
?>

<html>
<head>
    <title>Arklow Library</title>
    <link rel="stylesheet" type="text/css" href="css/style.css">
</head>

<body>
    <div class="banner">
        <div class="navbar">
            
            <ul>
                <li><a href="home.php">Home</a></li>
                <li><a href="search.php">Search</a></li>
                <li><a href="reserve.php">Reserved</a></li>
                <li><a href="logout.php">Logout</a></li>
            </ul>
        </div>

        <div class="content">
            <h1>Search</h1>

            <form method="post" action="search.php">
                <input type="text" placeholder="Title" name="booktitle"
value="<?php echo $booktitle; ?>">
                <input type="text" placeholder="Author" name="author"
value="<?php echo $author; ?>">

                <label for="category"></label>
                <select name="categorydescription"
id="categorydescription">
                    <option value="">All Categories</option>
                    <option value="Health">Health</option>
                    <option value="Business">Business</option>
                    <option value="Biography">Biography</option>
                    <option value="Technology">Technology</option>
                    <option value="Travel">Travel</option>
                    <option value="Self-Help">Self-Help</option>

```

```

        <option value="Cookery">Cookery</option>
        <option value="Fiction">Fiction</option>
    </select>

    <input type="submit" value="Search">
</form>

<?php
if ($result && $result->num_rows > 0){
    echo '<table>';
    echo '<tr>';
    echo '<th>ISBN</th>';
    echo '<th>Book Title</th>';
    echo '<th>Author</th>';
    echo '<th>Edition</th>';
    echo '<th>Year</th>';
    echo '<th>Category Description</th>';
    echo '<th>Reservation</th>';
    echo '</tr>';

    while($row = $result->fetch_assoc()){
        echo '<tr>';
        echo '<td>' . $row["isbn"] . '</td>';
        echo '<td>' . $row["booktitle"] . '</td>';
        echo '<td>' . $row["author"] . '</td>';
        echo '<td>' . $row["edition"] . '</td>';
        echo '<td>' . $row["year"] . '</td>';
        echo '<td>' . $row["categorydescription"] . '</td>';
        if ($row["reserved"] == 'N') {
            ?>
            <form method="post2" action="search.php">
                <td><input type="submit" name="reserved"
value="Reserve"></td>
            </form>
            <?php
            }
            else {
                echo '<td>Reserved</td>';
            }
            echo '</tr>';
        }

        echo '</table>';
    } else {
        echo "0 results";
    }
    ?>

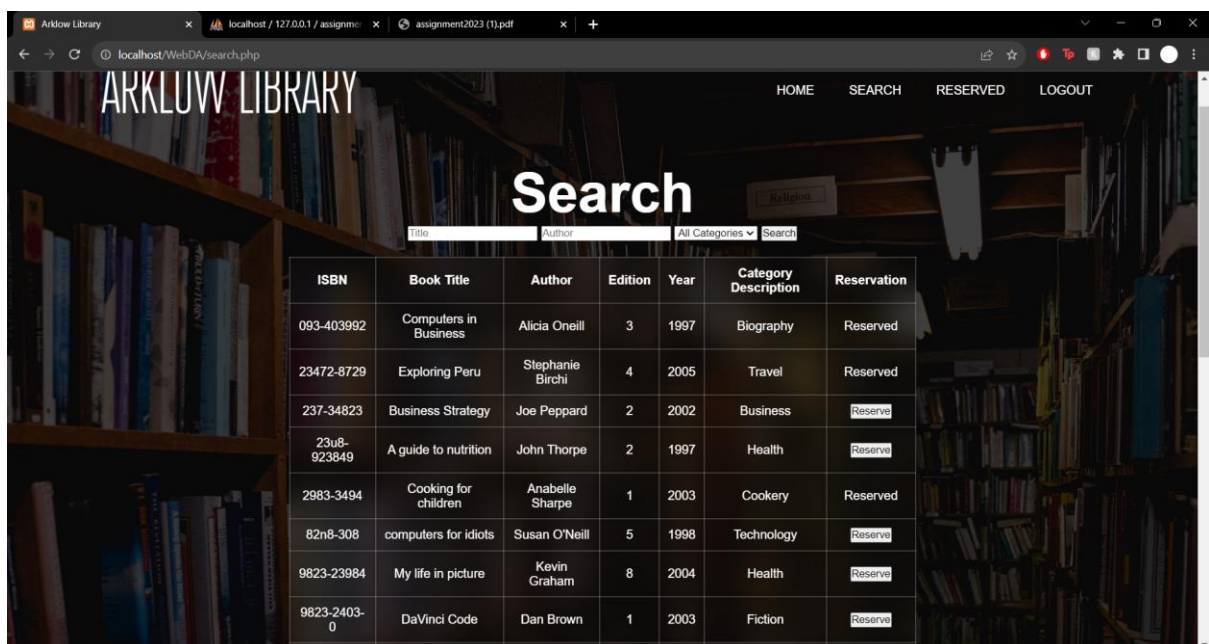
```

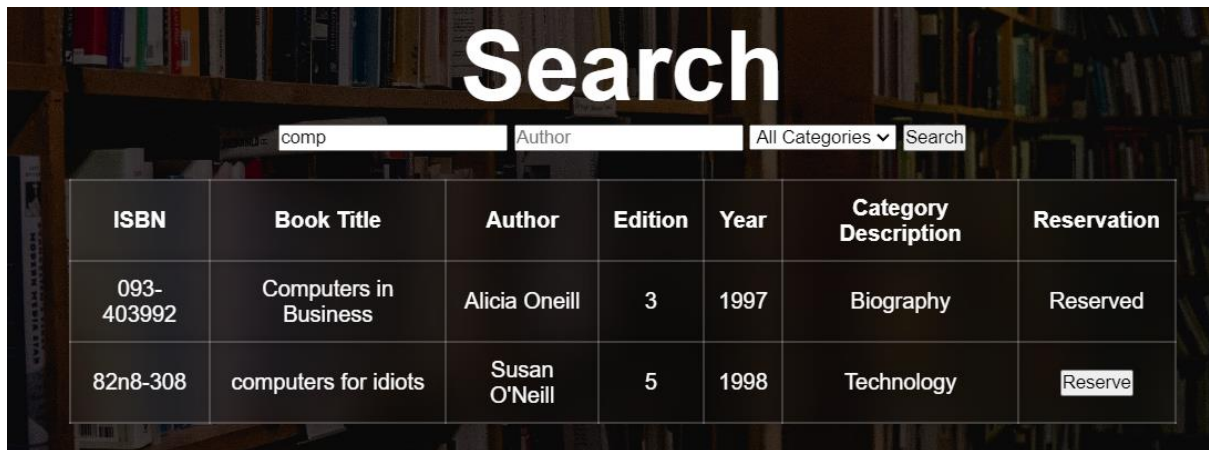
```

        </div>
    </div>

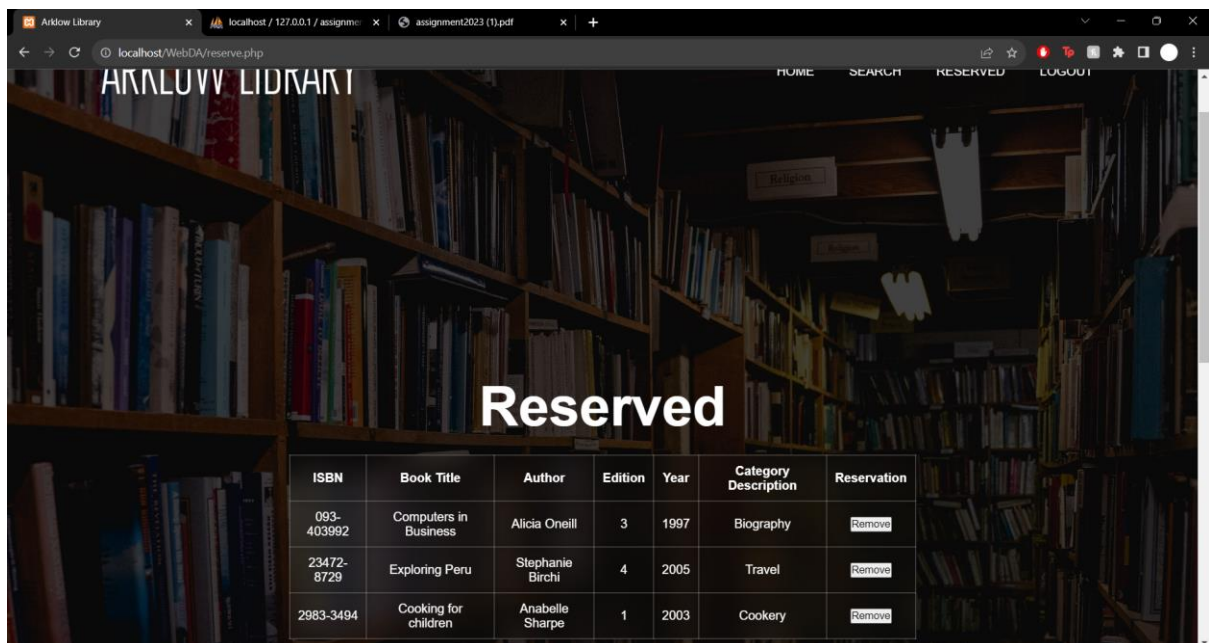
    <footer>
        <div class="footerRow">
            <div class="footerCol">
                <p class="footerText">Developed by Sergei Larionov.</p>
                <p class="footerText">Contact Us: 083 312 4053</p>
            </div>
            <div class="footerCol socialMediaFollow">
                <h2 class="socialMediaHeader">Follow Arklow Library on Social
Media</h2>
                <h5 class="socialMediaStatus">Currently Unavailable</h5>
                <div class="socialMediaPictures">
                    
                    
                    
                </div>
            </div>
        </div>
    </footer>
</body>
</html>

```





reserve.php – this page allows to see all the books that the user has currently reserved (currently only shows all reserved books). There is an option to remove the reservation (currently does not work).



/css/style.css

```
*{
    margin: 0;
    padding: 0;
    font-family: sans-serif;
}

body{
    margin: 0;
}

.banner{
    width: 100%;
```



```
    height: 200vh;
    background-image: linear-gradient(rgba(0,0,0,0.75),
    rgba(0,0,0,0.75)),url(../Images/background2.jpg);
    background-size: cover;
    background-position: center;
}

.navbar{
    width: 85%;
    margin: auto;
    padding: 35px 0;
    display: flex;
    align-items: center;
    justify-content: space-between;
    background: transparent;
}

.logo{
    width: 350px;
}

.navbar ul li{
    list-style: none;
    display: inline-block;
    margin: 0 20px;
    position: relative;
}

.navbar ul li a{
    text-decoration: none;
    color: #ffff;
    text-transform: uppercase;
}

.navbar ul li::after{
    content: '';
    height: 3px;
    width: 0;
    background-color: #009688;
    position: absolute;
    left: 0;
    bottom: -10px;
    transition: 0.5s;
}

.navbar ul li:hover::after{
    width: 100%;
}
```



```
.content{
  width: 80%;
  position: relative;
  max-width: 800px;
  margin: 0 auto;
  top: 30%;
  transform: translateY(-50%);
  text-align: center;
  color: #ffff;
}

.content h1{
  font-size: 70px;
  margin-top: 20px;
}

.content p{
  margin: 20px auto;
  font-weight: 100;
  line-height: 25px;
}

footer {
  text-align: center;
  background: #009688;
  padding: 20px 0;
  color: white;
  font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande',
'Lucida Sans', Arial, sans-serif;
  margin-bottom: 0;
}

.footerRow {
  display: flex;
  justify-content: space-around;
  align-items: center;
  flex-wrap: wrap;
}

.footerCol {
  flex: 1;
  padding: 0 20px;
}

.footerText {
  margin-bottom: 10px;
}
```

```
.footerLink {
  color: white;
  text-decoration: underline;
}

.socialMediaFollow {
  text-align: center;
  font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande',
'Lucida Sans', Arial, sans-serif;
}

.socialMediaHeader {
  margin-bottom: 10px;
}

.socialMediaStatus {
  margin-bottom: 20px;
}

.socialMediaPictures {
  display: flex;
  justify-content: center;
}

.socialMediaPictures img {
  margin: 0 10px;
  transition: transform 0.3s ease-in-out;
}

.socialMediaPictures img:hover {
  transform: scale(1.2);
}

.loginbox {
  margin: auto;
  width: 420px;
  background: transparent;
  border: 2px solid rgba(255, 255, 255, 0.2);
  backdrop-filter: blur(20px);
  box-shadow: 0 0 10px rgba(0,0,0,.2);
  color: #fff;
  border-radius: 10px;
  padding: 30px 40px;
}

.loginbox h1{
  font-size: 36px;
```

```
    text-align: center;
}

.loginbox .inputbox{
    width: 100%;
    height: 50px;
    margin: 30px 0;
}

.inputbox input{
    width: 100%;
    height: 100%;
    background: transparent;
    border: none;
    outline: none;
    border: 2px solid rgba(255, 255, 255, 0.2);
    border-radius: 40px;
    font-size: 16px;
    color: #fff;
    padding: 20px 45px 20px 20px;
}

.inputbox input::placeholder{
    color: #fff;
}

.inputbox i{
    position: absolute;
    right: 20px;
    top: 50%;
    transform: translateY(-50%);
    font-size: 20px;
}

.loginbox .btn{
    width: 100%;
    height: 45px;
    background: #fff;
    border: none;
    outline: none;
    border-radius: 40px;
    box-shadow: 0 0 10px rgba(0,0,0,.1);
    cursor: pointer;
    font-size: 16px;
    color: #333;
    font-weight: 600;
}

.loginbox .registerlink{
```

```

    font-size: 14.5px;
    text-align: center;
    margin-top: 20px;
}

.registerlink p a{
    color: #fff;
    text-decoration: none;
    font-weight: 600;
}

.registerlink p a:hover{
    text-decoration: underline;
}

.book-details {
    margin-bottom: 15px;
    border: 1px solid #ccc;
    padding: 10px;
}

table {
    width: 100%;
    border-collapse: collapse;
    margin-top: 20px;
    color: white;
    backdrop-filter: blur(20px);
}

th, td {
    border: 2px solid rgba(255, 255, 255, 0.2);
    box-shadow: 0 0 10px rgba(0,0,0,.2);
    padding: 10px;
    text-align: center;
    color: white;
}

```

/images/background2.jpg – background image

/images/logo3.png – used as title of page

/images/instragramLogo.png – used in footer

/images/facebookLogo.png – used in footer

/images/twitterLogo.png – used in footer

