PROJECT NO 2

CAPSTONE PROJECT – Library Management System

AIM: Database Connectivity: To develop simple programs to connect the webpages with the database.

SOURCE CODE:

Library Index

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <style>
        @import
url('https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;700&display=swap'
);
    body {
        font-family: 'Open Sans', sans-serif;
        margin: 0;
        padding: 0;
        justify-content: center;
        align-items: center;
        height: 100vh;
        margin: 0;
        display: flex;
        background-color: rgb(70, 17, 73);}

    .navbar {
        font-family: 'Open Sans', sans-serif;
        display: flex;
        background-color: rgb(70, 17, 73);
        overflow: hidden;
        padding-right:2%;
        padding-left:6%;
        font-size:18px;
        width: 20%;
        box-shadow: 0 14px 6px rgba(0, 0, 0, 0.12), 0 10px 3px rgba(0, 0, 0,
0.12);
        border-radius: 35px;
        text-align: center;
        align-items: center;
    }

    .navbar a {
        float: center;
        display: block;
        color:white;

        text-align: center;
        align-items: center;
```

```css
        padding: 10px 15px;
        text-decoration: none;
    }

    .navbar a:hover {
        display: block;
        background: radial-gradient(ellipse at center, rgb(100, 37, 187), rgb(134,
47, 244));
        box-shadow:0 5px 5px 0px rgb(134, 47, 244);
        color: white;
        font-size:20px;
        border-radius: 55px;
        text-align: center;
    }

    .text {
        text-align: center;

        color: white;
    }
</style>
    <title>Library Management System</title>
</head>

<body>

    <div class="navbar">
        <center>
        <a href="searchdb.php">Search Database</a>
            <a href="catalogue.php">Get Catalogue</a>
            <a href="registermember.php">Register Member</a>
            <a href="deleterecord.php">Delete Member</a>
            <a href="registerbook.php">Add Books</a>
            <a href="deletebook.php">Delete Books</a>
            <a href="searchbook.php">Search Books</a>
            <a href="availbooks.php">Available Books</a>
            <a href="borrowedby.php">Borrow Records</a>
        </center>
    </div>

    <center>
    <div style="display:inline block;">
        <h1 class="text">&nbsp&nbsp&nbspWelcome!</h1>
        <h3>
            <p class="text">&nbsp&nbsp&nbspLibrary Management System</p>
        </h3>
        <p class="text">&nbsp&nbsp&nbspUse the navigation bar to operate!</p>
    </div>
    </center>

</body>
</html>
```

Catalogue

```html
<html>
    <head>
        <title>Books</title>
        <link rel="stylesheet" href="./style.css">
```

```
        <style>
        </style>
    </head>
    <body>
        <div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>

        <br>
        <div align="center">Every book in the library is displayed
below:</div><br>
    </body>
    <?php
    $conn = mysqli_connect("localhost", "root", "", "library");
    if (!$conn) {
        die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
    }

    $sql = "SELECT * FROM books";
    $result=$conn->query($sql);
    if ($result->num_rows>0){
        echo "<table class='table border' style='margin-left:15%; margin-
right:15%; width:69%; display:block;'>";
        echo "<tr>
        <th class='th'>Book_Id</th>
        <th class='th'>Title</th>
        <th class='th'>Author</th>
        <th class='th'>Publisher</th>
        <th class='th'>Price</th>
        <th class='th'>Available</th>
        </tr><tr></tr>";
        while($row=$result->fetch_assoc()){
            echo "<tr>
            <td class='td'>".$row['Book_Id']."</td>
            <td class='td'>".$row['Title']."</td>
            <td class='td'>".$row['Author']."</td>
            <td class='td'>".$row['Publisher']."</td>
            <td class='td'>".$row['Price']."</td>
            <td class='td'>".$row['Available']."</td>
            </tr>";
        }
        echo "</table>";
    }
    else{
        echo '<div class="message error">No books have added as of yet!</div>';

    }

    if (mysqli_query($conn, $sql)) {
        echo '<div class="message success"></div>';
    }
    else {
        echo '<div class="message error">Error: ' . $sql . '<br>' .
mysqli_error($conn) . '</div>';
    }
    mysqli_close($conn);
    ?>
 </html>
```

Search Database

```html
<html>
<head>
    <title>Search Database</title>
    <link rel="stylesheet" href="./style.css">
</head>
<body>
<div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>
<center>
    <form action="" method="post">
        <legend>SEARCH DATABASE</legend>
        <table>
            <tr>
                <td><labelclass='border' >Select by Table:</label></td>
                <td><select class='border' name="table"onchange="showOptions()">
                        <option class='border' value=books selected>Book
Records</option>
                        <option class='border' value=members>Member
Records</option>
                        <option class='border' value=borrowed_by>Borrow
Records</option>
                    </select></td>
            </tr>
            <tr>
                <td></td>
                <td colspan=2><input class='border'  type="submit"
value="Search"></td>
            </tr>
        </table>
    </form>
    </center>
</body>
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "library";

$conn = mysqli_connect($servername, $username, $password, $dbname);

if (!$conn) {
    die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
}
if ($_SERVER["REQUEST_METHOD"] == "POST"){
    $table = mysqli_real_escape_string($conn, $_POST['table']);

if ($table=="books"){
    $sql = "SELECT * FROM books";
$result=$conn->query($sql);
if($result->num_rows>0){
    echo "<br><center><table class='table border' style='width:75%;
display:block;'>";
echo "<tr>
<th class='th'>Book_Id</th>
<th class='th'>Title</th>
```

```php
<th class='th'>Author</th>
<th class='th'>Publisher</th>
<th class='th'>Price</th>
<th class='th'>Available</th>
</tr><tr></tr>";
while($row=$result->fetch_assoc()){
    echo "<tr>
    <td class='td'>".$row['Book_Id']."</td>
    <td class='td'>".$row['Title']."</td>
    <td class='td'>".$row['Author']."</td>
    <td class='td'>".$row['Publisher']."</td>
    <td class='td'>".$row['Price']."</td>
    <td class='td'>".$row['Available']."</td>
    </tr>";
}
echo "</table></center>";
}
else{
    echo '<div class="message error">No records as of yet!</div>';
}
    }

else if ($table=="members"){
    $sql = "SELECT * FROM members";
$result=$conn->query($sql);
if($result->num_rows>0){
    echo "<br><center><table class='table border' style='width:47%;
display:block;'>";
        echo "<tr>
        <th class='th'>Member_Id</th>
        <th class='th'>Name</th>
        <th class='th'>Address</th>
        <th class='th'>DOB</th>
        </tr><tr></tr>";
        while($row=$result->fetch_assoc()){
            echo "<tr>
            <td class='td'>".$row['Member_Id']."</td>
            <td class='td'>".$row['Name']."</td>
            <td class='td'>".$row['Address']."</td>
            <td class='td'>".$row['DOB']."</td>
            </tr>";
        }
        echo "</table></center>";
}else{
    echo '<div class="message error">No records as of yet!</div>';
}
    }
else if ($table=="borrowed_by"){
    $sql = "SELECT * FROM borrowed_by";
$result=$conn->query($sql);
    if($result->num_rows>0){
        echo "<br><center><table class='table border' style='width:46%;
display:block;'>";
        echo "<tr>
        <th class='th'>Issue_Id</th>
        <th class='th'>Issue Date</th>
        <th class='th'>Return Date</th>
        <th class='th'>Due Date</th>
        </tr><tr></tr>";
```

```php
        while($row=$result->fetch_assoc()){
            echo "<tr>
            <td class='td'>".$row['Issue_Id']."</td>
            <td class='td'>".$row['Issue_Date']."</td>
            <td class='td'>".$row['Return_Date']."</td>
            <td class='td'>".$row['Due_Date']."</td>
            </tr>";
        }
        echo "</table></center>";
    }else{
        echo '<div class="message error">No records as of yet!</div>';
    }
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (mysqli_query($conn, $sql)) {
        echo ' ';
    }
    else {
        echo '<div class="message error">Error: ' . $sql . '<br>' .
mysqli_error($conn) . '</div>';
    }
}
}

mysqli_close($conn);
?>
</html>
```

Add Member

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
    <link rel="stylesheet" href="./style.css">
</head>
<body>
<div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>
    <center>
    <form action="" method="post">
            <legend>REGISTER YOURSELF</legend>
            <table>
                <tr>
                    <td><label class='border' for="Name">Name: </label></td>
                    <td><input class='border' type="text" name="mname"></td>
                </tr>
                <tr>
                    <td><label class='border' for="Address">Address: </label></td>
                    <td><textarea class='border' name="address" cols="30"
rows="10"></textarea></td>
                </tr>
                <tr>
                    <td><label class='border' for="DOR">DOB: </label></td>
                    <td><input class='border' type="date" name="dor"></td>
```

```html
                    </tr>
                    <tr>
                        <td></td>
                        <td colspan="2" align="center"><input class='border'
type="submit" value="Register"></td>
                    </tr>
                </table>
        </form>
        </center>
        <?php
        $servername = "localhost";
        $username = "root";
        $password = "";
        $dbname = "library";

$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
        die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
    }

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $name = mysqli_real_escape_string($conn, $_POST['mname']);
        $address = mysqli_real_escape_string($conn, $_POST['address']);
        $dor = mysqli_real_escape_string($conn, $_POST['dor']);

        $sql = "INSERT INTO members (Name, Address, DOB)
        VALUES ('$name', '$address', '$dor')";

        if (mysqli_query($conn, $sql)) {
            echo '<div class="message success">New member added
successfully!</div>';
        } else {
            echo '<div class="message error">Error: ' . $sql . '<br>' .
mysqli_error($conn) . '</div>';
        }

        $result=$conn->query("SELECT Member_Id FROM members WHERE members.name =
'$name' AND members.dob = '$dor'");
        if ($result->num_rows>0){
            while($row=$result->fetch_assoc()){
                echo "<center><div class='message2 success'>Your Member ID is:
".$row['Member_Id']."</div></center>";
            }
        }
        else{
            echo "0 results";
        }
    }

    mysqli_close($conn);
    ?>
</body>
</html>
```

Remove Member

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Delete Member</title>
    <link rel="stylesheet" href="./style.css">
    <script>
        function updateLabel() {
            var search = document.getElementById("search");
            var selectedOption = search.options[search.selectedIndex].text;
            document.getElementById("message").textContent = selectedOption+":";
        }

        function onSubmit() {
            return true;
        }
    </script>
</head>
<body>
    <div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>

    <center>
    <div>
    <form action="" method="post" onsubmit="return onSubmit()">
            <legend>DELETE A MEMBER RECORD</legend>
            <table>
                <tr>
                    <td><label class='border'>Delete by: </label></td>
                    <td><select class='border' name="search" id="search"
onchange="updateLabel()">
                        <option class='border' value=Member_Id selected>Member
ID</option>
                        <option class='border' value=Name>Name</option>
                    </select></td>
                </tr>
                <tr>
                    <td><label class='border' id="message">Member ID:</label></td>
                    <td><input class='border' type="" name="book"></td>
                </tr>
                <tr>
                    <td></td>
                    <td colspan=2><input class='border' type="submit"
value="Delete"></td>
                </tr>
            </table>
    </form>
    </div>
    </center>
    <?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "library";
    $conn = mysqli_connect($servername, $username, $password, $dbname);
```

```php
    if (!$conn) {
        die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
    }

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $search = mysqli_real_escape_string($conn, $_POST['search']);
        $book = mysqli_real_escape_string($conn, $_POST['book']);
        $sql= "DELETE FROM members WHERE members.$search = '$book';";
        if (mysqli_query($conn, $sql)) {
            echo '<div class="message success">Record deleted successfully
&nbsp</div>';
        } else {
            echo '<div class="message error">No such member exists!</div>';
        }
    }

    mysqli_close($conn);
    ?>
</body>
</html>
```

Add Book

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>BOOK RECORDS</title>
    <link rel="stylesheet" href="./style.css">
</head>
<body>
<div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>

    <center>
    <form action="" method="post">
            <legend>INSERT A NEW BOOK</legend>
            <table>
                <tr>
                    <td><label class='border' for="Title">Title: </label></td>
                    <td><input class='border' type="text" name="title"></td>
                </tr>
                <tr>
                    <td><label class='border' for="Author">Author: </label></td>
                    <td><input class='border' type="text" name="author"></td>
                </tr>
                <tr>
                    <td><label class='border' for="Publisher">Publisher:
</label></td>
                    <td><input class='border' type="text" name="pub"></td>
                </tr>
                <tr>
                    <td><label class='border' for="Price">Price: </label></td>
                    <td><input class='border' type="number" name="price"></td>
                </tr>
```

```
                    <tr>
                        <td><label class='border'>Available: </label></td>
                        <td><input type="radio" value=Yes
name="avail"><label>Yes</label>
                        <input type="radio" value=No
name="avail"><label>No</label></td>
                    </tr>
                    <tr>
                        <td></td>
                        <td colspan="2" align="center"><input class='border'
type="submit" value="Add"></td>
                    </tr>
                </table>
        </form>
        </center>
        <?php
        $servername = "localhost";
        $username = "root";
        $password = "";
        $dbname = "library";
        $conn = mysqli_connect($servername, $username, $password, $dbname);
        if (!$conn) {
            die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
        }

        if ($_SERVER["REQUEST_METHOD"] == "POST") {
            $pub = mysqli_real_escape_string($conn, $_POST['pub']);
            $author = mysqli_real_escape_string($conn, $_POST['author']);
            $price = mysqli_real_escape_string($conn, $_POST['price']);
            $title = mysqli_real_escape_string($conn, $_POST['title']);
            $avail = mysqli_real_escape_string($conn, $_POST['avail']);

            $sql = "INSERT INTO books (publisher, Available, Price, Title, Author)
            VALUES ('$pub', '$avail', '$price', '$title', '$author')";

            if (mysqli_query($conn, $sql)) {
                echo '<div class="message success">New book added
successfully!</div>';
            } else {
                echo '<div class="message error">Error: ' . $sql . '<br>' .
mysqli_error($conn) . '</div>';
            }

            $result=$conn->query("SELECT Book_Id FROM books WHERE books.title =
'$title' AND books.author = '$author'");
            if ($result->num_rows>0){
                while($row=$result->fetch_assoc()){
                    echo "<center><div class='messages success'>The Book ID is:
".$row['Book_Id']."</div></center>";
                }
            }
        }

        mysqli_close($conn);
        ?>
</body>
</html>
```

Remove Book

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
    <link rel="stylesheet" href="./style.css">
    <script>
        function updateLabel() {
            var search = document.getElementById("search");
            var selectedOption = search.options[search.selectedIndex].text;
            document.getElementById("message").textContent = selectedOption+":";
        }

        function onSubmit() {
            return true;
        }
    </script>
</head>
<body>
    <div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>

    <center>
    <form action="" method="post" onsubmit="return onSubmit()">
            <legend>DELETE A BOOK</legend>
            <table>
                <tr>
                    <td><label class='border'>Delete by: </label></td>
                    <td><select class='border' name="search" id="search"
onchange="updateLabel()">
                        <option class='border' value=Title onClick=return select()
selected>Title</option>
                        <option class='border' value=Author>Author</option>
                        <option class='border' value=Publisher>Publisher</option>
                    </select></td>
                </tr>
                <tr>
                    <td><label class='border' id="message">Title:</label></td>
                    <td><input class='border' type="text" name="book"></td>
                </tr>
                <tr>
                    <td></td>
                    <td colspan=2><input class='border' type="submit"
value="Delete"></td>
                </tr>
            </table>
    </form>
    </center>
    <?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "library";

    // Create connection
```

```php
    $conn = mysqli_connect($servername, $username, $password, $dbname);

    // Check connection
    if (!$conn) {
        die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
    }

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $search = mysqli_real_escape_string($conn, $_POST['search']);
        $book = mysqli_real_escape_string($conn, $_POST['book']);
        $sql= "DELETE FROM books WHERE books.$search = '$book'";

        if (mysqli_query($conn, $sql)) {
            echo '<div class="message success">Record deleted successfully
&nbsp</div>';
        } else {
        echo '<div class="message error">No such book exists!</div>';
        }
    }

    mysqli_close($conn);
    ?>
</body>
</html>
```

Search Books

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Search books</title>
    <link rel="stylesheet" href="./style.css">
</head>
<body>
<div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>

    <center>
    <form action="" method="post">
        <legend>SEARCH THE BOOKS RECORD</legend>
            <table>
                <tr>
                    <td><label class='border'>Search by: </label></td>
                    <td><select class='border' name="search">
                    <option class='border' value=Book_Id>Book ID</option>
                        <option class='border' value=Title selected>Title</option>
                        <option class='border' value=Author>Author</option>
                        <option class='border' value=Publisher>Publisher</option>
                    </select></td>
                </tr>
                <tr>
                    <td></td>
                    <td colspan=2><input class='border' type="submit"
value="Search"></td>
```

```php
                </tr>
            </table>
    </form>
    </center>
    <?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "library";

// Create connection
$conn = mysqli_connect($servername, $username, $password, $dbname);

// Check connection
if (!$conn) {
    die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $search = mysqli_real_escape_string($conn, $_POST['search']);


        if ($search=="Title"){
            $sql = "SELECT Book_Id, Title, Available FROM books";
            $result = $conn->query($sql);
            if($result->num_rows>0)
            {
                echo "<br><center><table class='table' style='width:41%;
display:block;'><tr>
                <th style='font-weight:bold;font-size:20px;'>Book_ID</th>
                <th style='font-weight:bold;font-size:20px;'>Title</th>
                <th style='font-weight:bold;font-size:20px;'>Available</th></tr>";

                while ($row = $result->fetch_assoc())
                {
                    echo "<tr>
                    <td style='color:white;'>".$row['Book_Id']."</td>
                    <td style='color:white;'>".$row['Title']."</td>
                    <td style='color:white;'>".$row['Available']."</td>
                    </tr>";
                }
                echo "</table>";
            }
            else
            {
                echo '<div class="message error">No records as of yet!</div>';
            }
        }

        else if ($search=="Author"){
            $sql = "SELECT Book_Id, Author, Available FROM books";
            $result = $conn->query($sql);
            if($result->num_rows>0)
            {
                echo "<br><center><table style='width:40%; display:block;'><tr>
                <th style='font-weight:bold;font-size:20px;'>Book_ID</th>
                <th style='font-weight:bold;font-size:20px;'>Author</th>
                <th style='font-weight:bold;font-size:20px;'>Available</th></tr>";
```

```php
        while ($row = $result->fetch_assoc())
        {
            echo "<tr>
            <td style='color:white;'>".$row['Book_Id']."</td>
            <td style='color:white;'>".$row['Author']."</td>
            <td style='color:white;'>".$row['Available']."</td>
            </tr>";
        }
        echo "</table>";
    }
    else
    {
        echo '<div class="message error">No records as of yet!</div>';
    }
}

elseif ($search=="Publisher"){
    $sql = "SELECT Book_Id, Publisher, Available FROM books";
    $result = $conn->query($sql);
    if($result->num_rows>0)
    {
        echo "<br><center><table style='width:40%; display:block;'><tr>
        <th class ='th'>Book_ID</th>
        <th class ='th'>Publisher</th>
        <th class ='th'>Available</th></tr>";

        while ($row = $result->fetch_assoc())
        {
            echo "<tr>
            <td class='td'>".$row['Book_Id']."</td>
            <td class='td'>".$row['Publisher']."</td>
            <td class='td'>".$row['Available']."</td>
            </tr>";
        }
        echo "</table>";
    }
    else
    {
        echo '<div class="message error">No records as of yet!</div>';
    }
}

elseif ($search=="Book_Id"){
    $sql = "SELECT Title, Book_Id, Publisher, Author, Available FROM
books";
    $result = $conn->query($sql);
    if($result->num_rows>0)
    {
        echo "<br><center><table style='width:70%; display:block;'><tr>
        <th class ='th'>Book_ID</th>
        <th class ='th'>Title</th>
        <th class ='th'>Author</th>
        <th class ='th'>Publisher</th>
        <th class ='th'>Available</th></tr>";

        while ($row = $result->fetch_assoc())
        {
            echo "<tr>
```

```php
                    <td class='td'>".$row['Book_Id']."</td>
                    <td class='td'>".$row['Title']."</td>
                    <td class='td'>".$row['Author']."</td>
                    <td class='td'>".$row['Publisher']."</td>
                    <td class='td'>".$row['Available']."</td>
                    </tr>";
                }
                echo "</table>";
            }
            else
            {
                echo '<div class="message error">No records as of yet!</div>';
            }
        }

        else{
            echo "<div class='message error'>Error</div>";
        }

    if (mysqli_query($conn, $sql)) {
        echo ' ';
    } else {
        echo '<div class="message error">No such book exists!</div>';
    }
}

mysqli_close($conn);
?>
</body>
</html>
```

Available Books

```php
  <html>
    <head>
        <title>Books</title>
        <link rel="stylesheet" href="./style.css">
        <style>
            div{
                font-weight:bold;
            }
        </style>
    </head>
    <body>
        <div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type='submit' value='Back'
class='border'></a>&nbsp</div>

        <br>
        <div align="center">All the available books:</div><br>
    </body>
    <?php
    $conn = mysqli_connect("localhost", "root", "", "library");
    if (!$conn) {
        die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
    }

    $sql = "SELECT * FROM books WHERE books.Available='Yes'";
```

```php
    $result=$conn->query($sql);
    if ($result->num_rows>0){
        echo "<center><table class='table border' style='width:60%;
display:block;'>";
        echo "<tr>
        <th class='th'>Book_Id</th>
        <th class='th'>Title</th>
        <th class='th'>Author</th>
        <th class='th'>Publisher</th>
        <th class='th'>Price</th>
        </tr><tr></tr>";
        while($row=$result->fetch_assoc()){
            echo "<tr>
            <td class='td'>".$row['Book_Id']."</td>
            <td class='td'>".$row['Title']."</td>
            <td class='td'>".$row['Author']."</td>
            <td class='td'>".$row['Publisher']."</td>
            <td class='td'>".$row['Price']."</td>
            </tr>";
        }
        echo "</table></center>";
    }
    else{
        echo '<div class="message error">No books are available as of now!</div>';

    }

    if (mysqli_query($conn, $sql)) {
        echo '<div class="message success"></div>';
    }
    else {
        echo '<div class="message error">Error: ' . $sql . '<br>' .
mysqli_error($conn) . '</div>';
    }
    mysqli_close($conn);
    ?>
 </html>
```

Borrow Record

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Borrow book</title>
    <link rel="stylesheet" href="./style.css">
    <script>
        function updateDate(){
            var date = document.getElementById('idate').value;
            const resultDate = new Date(date);
            resultDate.setDate(resultDate.getDate() + 30);
            document.getElementById('dd').innerHTML=resultDate;
        }
    </script>
</head>
<body>
```

```html
<div align="right"><br><a href="./library.php"><input style='background-
color:purple; color:white;' type="submit" value='Back'
class='border'>&nbsp</a></div>
    <center>
    <form action="" method="post">
            <legend>BORROW RECORD</legend>
            <table>
            <tr>
                    <td><label class='border'>Book ID: </label></td>
                    <td><input class='border' type="number" name="bookid"></td>
                </tr>
                <tr>
                    <td><label class='border'>Member ID: </label></td>
                    <td><input class='border' type="number" name="memberid"></td>
                </tr>
                <tr>
                    <td><label class='border'>Issue Date: </label></td>
                    <td><input class='border' type="date" name="idate" id="'idate"
onselect=updateDate()></td>
                </tr>
                <tr>
                    <td><label class='border'>Return Date: </label></td>
                    <td><input class='border' type="date" name="rd"></td>
                </tr>
                <tr>
                    <td></td>
                    <td colspan="2" align="center"><input class='border'
type="submit" value="Submit"></td>
                </tr>
            </table>
    </form>
    </center>
    <?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "library";

    $conn = mysqli_connect($servername, $username, $password, $dbname);

    if (!$conn) {
        die("<div class='message error'><center><br>Connection
Failed!</center><hr></div>" . mysqli_connect_error());
    }

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $rd = mysqli_real_escape_string($conn, $_POST['rd']);
        $idate = mysqli_real_escape_string($conn, $_POST['idate']);
        $bookid = mysqli_real_escape_string($conn, $_POST['bookid']);
        $memberid = mysqli_real_escape_string($conn, $_POST['memberid']);

        $sql = "INSERT INTO borrowed_by (Issue_Date, Return_Date, Due_Date,
Book_Id, Member_Id)
        VALUES ('$idate', '$rd', DATE_ADD('$idate', INTERVAL 15 DAY), $bookid,
$memberid)";

        if (mysqli_query($conn, $sql)) {
            echo '<div class="message success">New record created successfully
&nbsp</div>';
```

```php
        } else {
            echo '<div class="message error">Error: ' . $sql . '<br>' .
mysqli_error($conn) . '</div>';
        }

        $result=$conn->query("SELECT borrowed_by.Due_Date, borrowed_by.Issue_Id
FROM borrowed_by JOIN books ON borrowed_by.book_id = books.book_id JOIN members ON
borrowed_by.member_id = members.member_id WHERE borrowed_by.book_id='$bookid' AND
borrowed_by.member_id='$memberid'");
        if ($result->num_rows>0){
            while($row=$result->fetch_assoc()){
                echo "<center><div class='message2 success'>Your Due Date is:
".$row['Due_Date']." with Issue ID: ".$row['Issue_Id']."</div></center>";
            }
        }
        else{

        echo '<div class="message error">No such record of such Book or the
Member!</div>';
        }
    }

    mysqli_close($conn);
    ?>
</body>
</html>
```

CSS

```css
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap');

body {
    font-family: 'Poppins', sans-serif;
    justify-content: center;
    align-items: center;
    margin: 0;
    background: linear-gradient(to bottom, rgb(231, 166, 53), rgb(235, 187, 105),
rgb(235, 187, 105), rgb(235, 187, 105), rgb(231, 166, 53));
    height: 100vh;
}

form {
    width: 100%;
    max-width: 600px;
    margin: auto;
    background-color: rgb(235, 187, 105);
    box-shadow: 3px 8px rgb(215, 146, 42), 5px 10px 3px rgb(215, 146, 42);
    align-items: center;
    border-radius: 35px;
}

fieldset {
    border: 1px solid #ccc;
    padding: 10px;
    margin: 0;
}
```

```css
legend {
    font-weight: bold;
    padding-bottom: 10px;
    padding-top: 10px;
    background-color: white;
    border-top-right-radius: 35px;
    font-family: 'Poppins', sans-serif;
}

table {
    width: 100%;
    box-shadow: 0px 4px rgb(215, 146, 42), 5px 10px 3px rgb(215, 146, 42);
    background-color: rgb(235, 187, 105);
    border-bottom-left-radius: 35px;
    border-bottom-right-radius: 35px;
}

.table {
    width: 100%;
    box-shadow: 0px 4px rgb(215, 146, 42), 5px 10px 3px rgb(215, 146, 42);
    background-color: rgb(235, 187, 105);
}

th,
td,
tr {
    padding: 8px;
    text-align: left;
    background-color: rgb(235, 187, 105);
    border-radius: 35px;
    font-family: 'Poppins', sans-serif;
}

input[type="text"],
input[type="number"],
textarea,
select,
label,
option,
input[type="date"],
input[type=""] {
    width: 100%;
    color: black;
    padding: 8px;
    margin-bottom: 10px;
    box-sizing: border-box;
    background-color: rgb(241, 187, 94);
    font-family: 'Poppins', sans-serif;
}

input[type="radio"] {
    color: black;
    box-sizing: border-box;
    background-color: rgb(241, 187, 94);
}

input[type="submit"] {
    background-color: orange;
    color: black;
```

```css
        padding: 10px 15px;
        border: none;
        cursor: pointer;
    }

    .message {
        margin-top: 20px;
        text-align: center;
        font-weight: bold;
    }

    .messages {
        font-size: 25px;
        text-align: center;
        font-weight: bold;
    }

    .success {
        color: green;
    }

    .error {
        color: red;
    }

    .title {
        color: purple;
        font-weight: bold;
    }

    button {
        background-color: purple;
        color: white;
        padding: 10px 15px;
        border: none;
        border-radius: 35px;
        cursor: pointer;
        margin-right: 1.2rem;
        border-bottom-left-radius: 35px;
        border-bottom-right-radius: 35px;
        border-top-right-radius: 35px;
        font-family: 'Poppins', sans-serif;
    }

    div {
        border-radius: 35px;
    }

    .th {
        font-weight: bold;
        font-size: 20px;
    }

    .td {
        color: white;
        font-size: 15px;
    }

    .border {
```
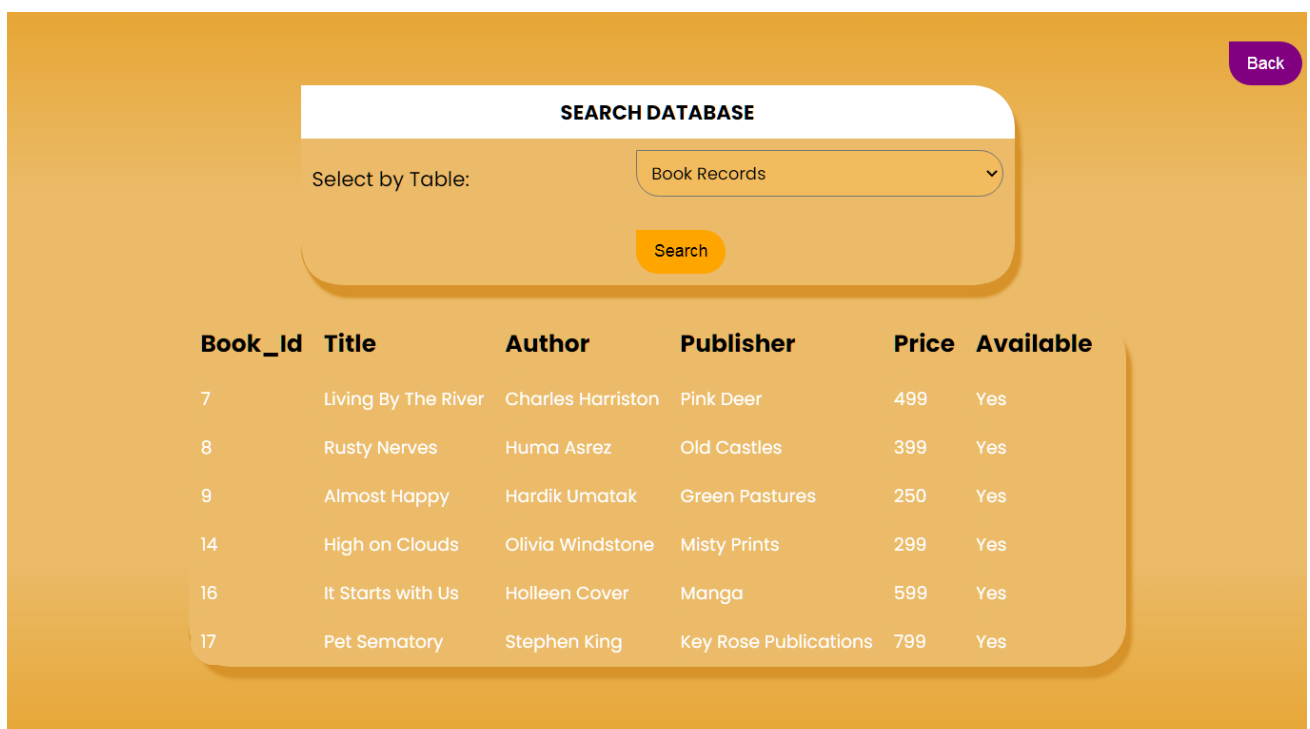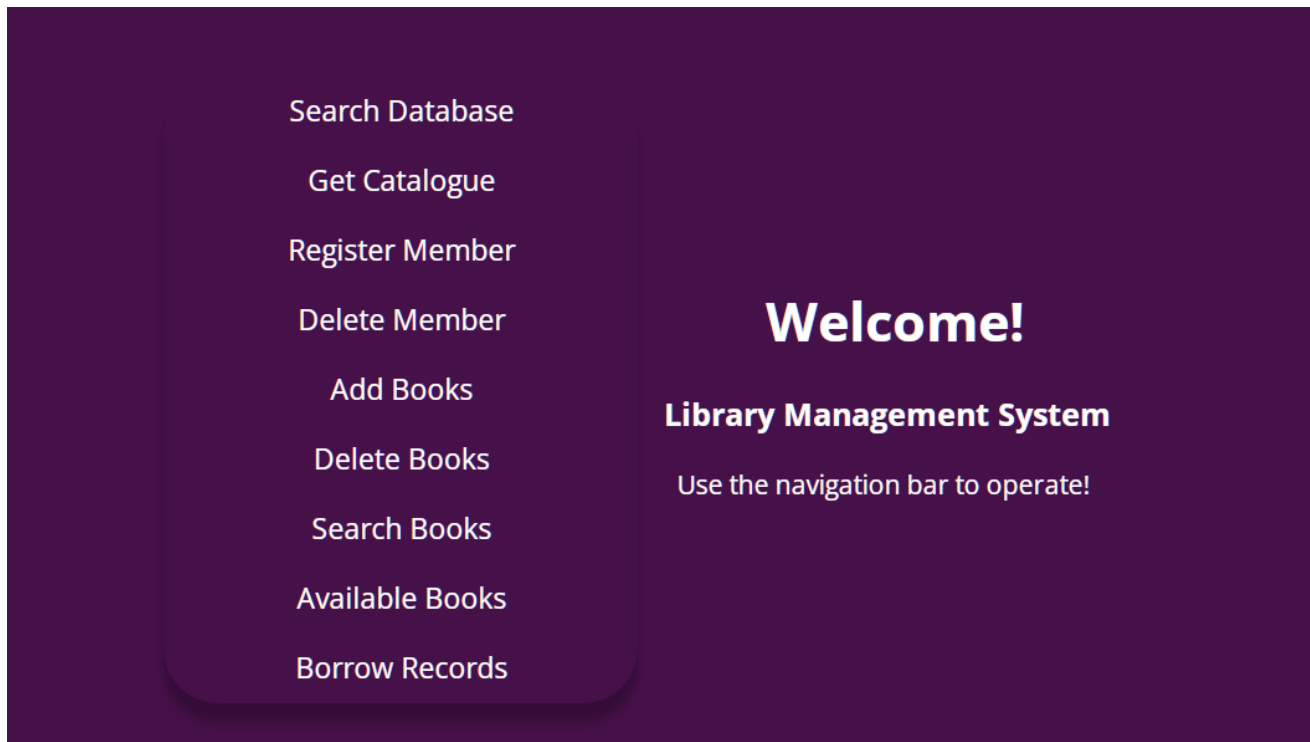
```
    border-bottom-left-radius: 35px;
    border-bottom-right-radius: 35px;
    border-top-right-radius: 35px;
    font-size: 20px;
    font-weight: bold;
}
```

OUTPUT SCREENSHOT:

Back

Every book in the library is displayed below:

Book_Id	Title	Author	Publisher	Price	Available
7	Living By The River	Charles Harriston	Pink Deer	499	Yes
8	Rusty Nerves	Huma Asrez	Old Castles	399	Yes
9	Almost Happy	Hardik Umatak	Green Pastures	250	Yes
14	High on Clouds	Olivia Windstone	Misty Prints	299	Yes
16	It Starts with Us	Holleen Cover	Manga	599	Yes
17	Pet Sematory	Stephen King	Key Rose Publications	799	Yes

Back

REGISTER YOURSELF

Name:

Address:

DOR: mm/dd/yyyy

Register

INSERT A NEW BOOK

Back

Title:

Author:

Publisher:

Price:

Available: ○ Yes   ○ No

Add

SEARCH THE BOOKS RECORD

Back

Search by: Title

Search

Book_ID	Title	Available
7	Living By The River	Yes
8	Rusty Nerves	Yes
9	Almost Happy	Yes
14	High on Clouds	Yes
16	It Starts with Us	Yes
17	Pet Sematory	Yes