

# Website Development Project

## Student Details:

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Course Code: TU856/2

## List of files used:

- **Assignment.php**
  - Is the first page the user sees, it is where the user enters their login details and are processed through login.php or otherwise is prompted to go to the registration page (ProjectCreateUser.php) if they want to create a user to log into the website.
  - The user can also select from the header of the page whether they want to go to the login page via the 'Login' tab in which case they are directed to Assignment.php (same page currently on – used to remain header consistency), want to go to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php
- **ProjectCreateUser.php**
  - Is the page where the user enters their registration details and are processed through registration.php or otherwise is prompted to go to the login page if they already have an account (Assignment.php).
  - The user can also select from the header of the page whether they want to go to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to go to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php (same page currently on – used to remain header consistency).
- **login.php**
  - Where the data is submitted to be processed to check if the user's login details were entered correctly or incorrectly from Assignment.php.
  - If the user's login details were entered correctly and are found in the database, they are directed to ProjectLogin.php.
  - If the user's login details were entered incorrectly or are not found in the database, the user is displayed a sufficient error message inside the Assignment.php page.

- **registration.php**
  - Where the data is submitted to be processed to check if the user's registration details were entered correctly or incorrectly from ProjectCreateUser.php.
  - If the user successfully entered their details, their details are submitted to the database and the user is directed to Assignment.php and are told that their Account was created successfully.
  - Or if the user incorrectly entered their details, a sufficient error message is displayed to Assignment.php indicating whether they didn't fill all the fields in, mobile number wasn't 10 digits long, password wasn't 6 digits long, or username/phone number is already taken or incorrectly entered or the password confirmation was entered incorrectly.
  
- **ProjectLogin.php**
  - Is the page the user is directed to after logging in successfully and is prompted to either search by book/author by search bar and directed to search.php or by category of the books by dropdown menu and directed to search2.php.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php (same page currently on – used to remain header consistency) or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php
  
- **search.php**
  - The text is grabbed from the search bar from ProjectLogin.php and if the text does not correlate to a book they were looking for 'No Results' is displayed.
  - If a book is found, a table of the details of the book is displayed along with if the user wants to reserve book in which case the user is directed to reserve.php
  - Pagination is also included to allow only 5 rows for the table per page.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php
  
- **search2.php**
  - The value from the dropdown menu is grabbed from ProjectLogin.php and displays all the details of the books that are from the Category chosen and the user can reserve a book if they desire and if so, they are directed to reserve.php
  - Pagination is also included to allow only 5 rows for the table per page.

- The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php
  
- **reserve.php**
  - If book selected from either search.php or search2.php is not already reserved, the book is reserved, and this is displayed to the user. The details are inserted into the reservations table and updates the books table to show that it is reserved.
  - If book is already reserved, 'Book Already Reserved' is displayed to the user.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php
  
- **reserved.php**
  - If the user selected the 'Reservations' tab from the header they are directed to reserved.php, the username of the current user is grabbed using sessions when the user logged in from Assignment.php and displays the reservations made by this user and the user is also prompted if they want to Remove the reservation in which case they are directed to remove\_reserve.php
  - Pagination is also included to allow only 5 rows for the table per page.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php (same page currently on – used to remain header consistency), want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php
  
- **remove\_reserve.php**
  - Value of the book ID is passed from reserved.php and deletes the row of this book ID from the reservations table and updates the books table to show that it is no longer reserved.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab

in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **ProjectConnectToHost.php**
  - Is the file in which all the php files are connected to, this file creates a connection between the webpage and the database in which the data is being retrieved/ sent to, and if the connection failed this is displayed to the user (very rare).
- **style.css**
  - Used to style Assignment.php
- **style2.css**
  - Used to style ProjectCreateUser.php
- **style3.css**
  - Used to style ProjectLogin.php, reserve.php, reserved.php, remove\_reserve.php
- **style4.css**
  - Used to style search.php, search2.php

## Code for the following Files:

### Assignment.php

```
<html>
<head>
  <title>Library User Create</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
  <header>
    <nav>
      <ul id="ul1">
        <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>
```

```

        <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

    </ul>

</nav>

</header>

<?php
    if(isset($_GET['Message'])){
        echo $_GET['Message'];
    }
?>

<body>

    <h2>Login</h2>

    <div class="login">

        <form id="login" action="login.php" method="post">

            <p>Username:

            <input type="text" name="username" id="Uname"></p>

            <p>Password:

            <input type="password" name="password" id="Pass"></p><p>
id="submit">Login</button>

            </form>

            <a id="res" href="ProjectCreateUser.php">Not Already a user?</a>

        </div>

    </body>

<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>

</html>

```

# ProjectCreateUser.php

```
<html>

<head>

    <title>Library User Create</title>

    <link rel="stylesheet" type="text/css" href="style2.css">

</head>

    <header>

        <nav>

            <ul id="ul1">

                <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>

                <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

            </ul>

        </nav>

    </header>

    <?php

        if(isset($_GET['Message'])){

            echo $_GET['Message'];

        }

    ?>

<body>

    <h2>Registration</h2>

    <div class="form1">

        <form id="form1" action="registration.php" method="post">

            <p>Username:

            <input type="text" name="username" id="Uname"></p>

            <p>Password:
```

</p>

<p>Re-Enter Password:

</p>

<p>First Name:

</p>

<p>Surname:

</p>

<p>Address Line 1:

</p>

<p>Address Line 2:

</p>

<p>City:

</p>

<p>Telephone:

</p>

<p>Mobile:

</p>

<p><input type="submit" value="Add New" id="submit"/> </p>

</form>

<a id="res" href="Assignment.php">Already a user?</a>

</div>

</body>

<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>

</html>

## login.php

```
<?php
```

```
require_once "ProjectConnectToHost.php";
```

```
if(isset($_POST["username"]) && isset($_POST["password"]))
```

 $\{$ 

```
$username = $_POST["username"];
```

```
session_start();
```

```
$_SESSION["username"] = $username;
```

```
$password = $_POST["password"];
```

```
$sql = "SELECT UserName, Password FROM users";
```

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

```
if ($result->num_rows > 0) {
```

```
while ($row = $result->fetch_assoc()) {
```

```
if (htmlentities($row['UserName']) == $username)
```

 $\{$ 

```
$password2 = str_replace(' ', '',  
(htmlentities($row['Password'])));
```

```
$username2 = $username;
```

```
if ($password2 == $password)
```

 $\{$ 

```
header("Location: ProjectLogin.php");
```



```

                                exit();
                            }
                        else
                        {
                                $Message = urlencode("Username or password
incorrect");

                                header("Location:Assignment.php?Message=".$Message);
                                }
                    }
                else
                {
                                $Message = urlencode("Username or password incorrect");
                                header("Location:Assignment.php?Message=".$Message);
                                }
                            }
            }
        }
    }
}

?>

```

## registration.php

```

<?php
require_once "ProjectConnectToHost.php";

if (isset($_POST['username']) && isset($_POST['password']) && isset($_POST['password2']) &&
isset($_POST['first_name']) && isset($_POST['last_name']) && isset($_POST['add1']) &&
isset($_POST['add2']) && isset($_POST['city']) && isset($_POST['teleph']) &&
isset($_POST['mobile'])) {

    $username = $_POST['username'];

    $password = $_POST['password'];

    $password2 = $_POST['password2'];

```

```

$first_name = $_POST['first_name'];

    $last_name = $_POST['last_name'];

$add1 = $_POST['add1'];

    $add2 = $_POST['add2'];

    $city = $_POST['city'];

    $teleph = $_POST['teleph'];

    $mobile = $_POST['mobile'];


    if (strlen($password) != 6 || strlen($mobile) != 10 || strlen($first_name) < 1 ||
strlen($last_name) < 1 || strlen($add1) < 1 || strlen($add2) < 1 || strlen($city) < 1 || strlen($teleph)
< 1 || $password != $password2)
    {

        if (strlen($password) != 6)
        {

            $Message = urlencode("Password entered not 6 digits long");

            header("Location:ProjectCreateUser.php?Message=".$Message);

            die;

        }

        else if ($password != $password2)
        {

            $Message = urlencode("Password confirmation entered incorrectly");

            header("Location:ProjectCreateUser.php?Message=".$Message);

            die;

        }

        else if (strlen($mobile) != 10)
        {

            $Message = urlencode("Mobile number entered not 10 digits long");

            header("Location:ProjectCreateUser.php?Message=".$Message);

            die;

        }

        else
        {

```

```

        $Message = urlencode("Field not filled");

        header("Location:ProjectCreateUser.php?Message=".$Message);

        die;
    }
}

else{
    $sql = "INSERT INTO Users (`UserName`, `Password`, `FirstName`, `Surname`,
`AddressLine1`, `AddressLine2`, `city`, `telephone`, `mobile`) VALUES ('$username', '$password ',
'$first_name', '$last_name', '$add1', '$add2', '$city', $teleph, $mobile);";

    if($conn->query($sql) === TRUE) {
        $Message = urlencode("Account created successfully");

        header("Location:Assignment.php?Message=".$Message);

    }
    else{
        $Message = urlencode("Username or phone number is already taken or
incorrectly entered");

        header("Location:ProjectCreateUser.php?Message=".$Message);

        die;

    }
}

?>

```

## ProjectLogin.php

```
<!DOCTYPE html>
```

```
<html>
```

<head>

<title>LOGIN</title>

<link rel="stylesheet" type="text/css" href="style3.css">

</head>

<header>

<nav>

<ul id="ul1">

<li class = "li1"><a class = "a1" href="Assignment.php">Login</a></li>

<li class = "li1"><a class = "a1" href="ProjectCreateUser.php">Registration</a></li>

<li class = "li1"><a class = "a1" href="ProjectLogin.php">Book Search</a></li>

<li class = "li1"><a class = "a1" href="reserved.php">Reservations</a></li>

</ul>

</nav>

</header>

<body>

<h2>Search by Book Title/ Author</h2>

<div class="form1">

<form id="form1" action="search.php" method="GET">

<p>Search for book/author:</p>

<input type="text" name="query" id="input">

<input type="submit" name="submit" value="Search" id="submit">

</form>

<form id="form1" action="search2.php" method="GET">

<p>Search by category:</p>

```

        <select name="id" value="id">
            <option disabled selected>-- Select Category --</option>
            <?php
                include "ProjectConnectToHost.php"; // Using database connection
file here

                $sql = "SELECT * FROM category";
                $result = $conn->query($sql);

                if ($result->num_rows > 0) {

                    while ($row = $result->fetch_assoc()) {

                        echo "<option value='". $row['CategoryID'] .'.">"
.$row['CategoryName'] . "</option>"; // displaying data in option menu
                    }
                }
            ?>
        </select>
        <input type="submit" name="submit" value="Search" id="submit">
    </form>

</div>

</body>
<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>
</html>

```

## search.php

```
<link rel="stylesheet" type="text/css" href="style4.css">

<header>

    <nav>

        <ul id="ul1">

            <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>

            <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

            <li class = "li1"><a class = "a1" href="ProjectLogin.php">Book
Search</a></li>

            <li class = "li1"><a class = "a1"
href="reserved.php">Reservations</a></li>

        </ul>

    </nav>

</header>

<body>

    <h2>Search by Book Title/ Author</h2>

    <div class="form1">

        <form id="form1" action="search.php" method="GET">

            <p>Search for book/author:</p>

            <input type="text" name="query" id="input">

            <input type="submit" name="submit" value="Search" id="submit">

        </form>

        <form id="form1" action="search2.php" method="GET">

            <p>Search by category:</p>

            <select name="id" value="id">

                <option disabled selected>-- Select Category --</option>

            <?php
```

file here

```
include "ProjectConnectToHost.php"; // Using database connection
```

```
$sql = "SELECT * FROM category";
$result = $conn->query($sql);

if ($result->num_rows > 0) {

    while ($row = $result->fetch_assoc()) {

        echo "<option value='". $row['CategoryID'] .'.">"
.$row['CategoryName'] ."</option>"; // displaying data in option menu
    }
}

?>
</select>
<input type="submit" name="submit" value="Search" id="submit">

</form>

</div>
```

```
</body>
```

```
<?php
```

```
$limit = 5;
```

```
require_once "ProjectConnectToHost.php";
```

```
$query = $_GET['query'];
```

```
// gets value sent over search form
```

```
$query = htmlspecialchars($query);
```

```
$sql = "SELECT * FROM books  
        WHERE (`BookTitle` LIKE '%" . $query . "%') OR (`Author` LIKE '%" . $query . "%')"  
or die(mysql_error());
```

```
$raw_result = $conn->query($sql);
```

```
$total_rows = $raw_result->num_rows;
```

```
$total_pages = ceil($total_rows/$limit);
```

```
if (!isset($_GET['page'])) {
```

```
    $page_number = 1;
```

```
} else {
```

```
    $page_number = $_GET['page'];
```

```
}
```

```
$initial_page = ($page_number-1) * $limit;
```

```
$getQuery = "SELECT * FROM books WHERE (`BookTitle` LIKE '%" . $query . "%') OR  
(`Author` LIKE '%" . $query . "%') LIMIT " . $initial_page . ', ' . $limit;
```

```
$result2 = $conn->query($getQuery);
```

```
if ($result2->num_rows > 0) {
```

```
    echo "<table border='1'>
```

```
    <tr>
```

```
    <th>BookTitle</th>
```

```
    <th>Author</th>
```

```
    <th>Edition</th>
```



```

<th>Year</th>

<th>Category</th>

<th>Reserved</th>

<th>Reserve?</th>

</tr>";

```

```

while ($row = $result2->fetch_assoc()) {
    echo "<tr><td> ";
    echo (htmlentities($row['BookTitle']));
    echo "</td><td> ";
    echo (htmlentities($row['Author']));
    echo "</td><td> ";
    echo (htmlentities($row['Edition']));
    echo "</td><td> ";
    echo (htmlentities($row['Year']));
    echo "</td><td> ";
    echo (htmlentities($row['Categories']));
    echo "</td><td> ";
    echo (htmlentities($row['Rese']));
    echo "</td><td> ";
    echo('<a
href="reserve.php?id=' . htmlentities($row['ISBN']) . '&bookid=' . htmlentities($row['BookTitle']) . '">Rese
rve</a>');
    echo "</td></tr>";

}

}

else{
    echo "No results";
}

for($page_number = 1; $page_number<= $total_pages; $page_number++) {

```

```

                                echo '<a class="hrefs" href = "search.php?page=' .
$page_number . '&query='.$query.'">' . "Page: ". $page_number . ' </a>';

                                }

```

```

?>

```

```

<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>

```

## reserve.php

```

<link rel="stylesheet" type="text/css" href="style3.css">

    <header>

        <nav>

            <ul id="ul1">

                <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>

                <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

                <li class = "li1"><a class = "a1" href="ProjectLogin.php">Book
Search</a></li>

                <li class = "li1"><a class = "a1"
href="reserved.php">Reservations</a></li>

            </ul>

        </nav>

    </header>

<?php

    require_once "ProjectConnectToHost.php";

    session_start(); // this NEEDS TO BE AT THE TOP of the page before any output etc
    $username = $_SESSION["username"];

    $today = date("Y-m-d");

```

```

$query = $_GET['id'];
$query2 = $_GET['bookid'];

$sql = "SELECT * FROM books";

$row_result = $conn->query($sql);

if ($row_result->num_rows > 0) {

    while ($row = $row_result->fetch_assoc()) {
        // $results = mysql_fetch_array($row_result) puts data from database into
        array, while it's valid it does the loop
        if (htmlentities($row['ISBN']) == $query)
        {

            $sql = "INSERT INTO reservations VALUES ('$query',
'$username', '$today');";

            $sql2 = "UPDATE books SET Rese = 'Y' WHERE ISBN =
'$query'";

            if($conn->query($sql) === TRUE) {

                if($conn->query($sql2) === TRUE) {
                    echo "Book Reserved";
                } else {
                    echo "Book not Reserved";
                }

            } else {
                echo "Book Already Reserved";
            }
        }
    }
}

```

```

        }

        // posts results gotten from database(title and text) you can also
show id ($results['id'])

    }

}

else{ // if there is no matching rows do following
    echo "No results";
}

?>

<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>

```

## search2.php

```

<link rel="stylesheet" type="text/css" href="style4.css">

<header>

    <nav>

        <ul id="ul1">

            <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>

            <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

            <li class = "li1"><a class = "a1" href="ProjectLogin.php">Book
Search</a></li>

            <li class = "li1"><a class = "a1"
href="reserved.php">Reservations</a></li>

        </ul>

    </nav>

</header>

```

```

<body>

<h2>Search by Book Title/ Author</h2>

<div class="form1">

    <form id="form1" action="search.php" method="GET">

        <p>Search for book/author:</p>

        <input type="text" name="query" id="input">

        <input type="submit" name="submit" value="Search" id="submit">

    </form>

    <form id="form1" action="search2.php" method="GET">

        <p>Search by category:</p>

        <select name="id" value="id">

            <option disabled selected>-- Select Category --</option>

            <?php

                include "ProjectConnectToHost.php"; // Using database connection

                $sql = "SELECT * FROM category";

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

                if ($result->num_rows > 0) {

                    while ($row = $result->fetch_assoc()) {

                        echo "<option value='". $row['CategoryID'] .'.">"
.$row['CategoryName'] ."</option>"; // displaying data in option menu

                    }

                }

            ?>

        </select>

        <input type="submit" name="submit" value="Search" id="submit">

```

```
</form>
```

```
</div>
```

```
</body>
```

```
<?php
```

```
    $limit = 5;
```

```
    require_once "ProjectConnectToHost.php";
```

```
    $query = $_GET['id'];
```

```
    // gets value sent over search form
```

```
    $query = htmlspecialchars($query);
```

```
    $sql = "SELECT * FROM books
```

```
        WHERE (`Categories` LIKE '%".$query.%') OR (`Author` LIKE '%".$query.%')"
```

```
or die(mysql_error());
```

```
    $raw_result = $conn->query($sql);
```

```
    $total_rows = $raw_result->num_rows;
```

```
    $total_pages = ceil($total_rows/$limit);
```

```
    if (!isset($_GET['page'])) {
```

```
        $page_number = 1;
```

```
    } else {
```

```

$page_number = $_GET['page'];

}

$initial_page = ($page_number-1) * $limit;

$getQuery = "SELECT * FROM books WHERE (`Categories` LIKE
'%" . $query . "%') OR (`Author` LIKE '%" . $query . "%') LIMIT " . $initial_page . ', ' . $limit;

$result2 = $conn->query($getQuery);

if ($result2->num_rows > 0) {
    echo "<table border='1'>
    <tr>
    <th>ID</th>
    <th>Product Name</th>
    <th>Description</th>
    <th>Year</th>
    <th>Category</th>
    <th>Reserved</th>
    <th>Reserve?</th>
    </tr>";

    while ($row = $result2->fetch_assoc()) {
        echo "<tr><td> ";
        echo (htmlentities($row['BookTitle']));
        echo "</td><td> ";
        echo (htmlentities($row['Author']));
        echo "</td><td> ";
        echo (htmlentities($row['Edition']));
        echo "</td><td> ";
        echo (htmlentities($row['Year']));
        echo "</td><td> ";
    }
}

```

```

        echo (htmlentities($row['Categories']));

        echo "</td><td> ";

        echo (htmlentities($row['Rese']));

        echo "</td><td> ";

        echo('<a
href="reserve.php?id='.$htmlentities($row['ISBN']).'&bookid='.$htmlentities($row['BookTitle']).'">Rese
rve</a>');

        echo "</td></tr>";

    }

}

else{ // if there is no matching rows do following

    echo "No results";

}

for($page_number = 1; $page_number<= $total_pages; $page_number++) {

    echo '<a class="hrefs" href = "search2.php?page=' .
$page_number . '&id='.$query.'">' . "Page: ". $page_number . ' </a>';

}

?>

<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>

```

## reserved.php

```

<link rel="stylesheet" type="text/css" href="style3.css">

<header>

    <nav>

        <ul id="ul1">

            <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>

```



```

        <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

        <li class = "li1"><a class = "a1" href="ProjectLogin.php">Book
Search</a></li>

        <li class = "li1"><a class = "a1"
href="reserved.php">Reservations</a></li>

    </ul>

</nav>

</header>

<body id="tablebody">

    <?php

        $limit = 5;

        require_once "ProjectConnectToHost.php";

        session_start(); // this NEEDS TO BE AT THE TOP of the page before any
output etc

        $username = $_SESSION["username"];

        $sql3 = "SELECT * FROM reservations INNER JOIN books ON
reservations.isbn=books.isbn";

        $raw_result3 = $conn->query($sql3);

        $total_rows = $raw_result3->num_rows;

        $total_pages = ceil($total_rows/$limit);

        if (!isset ($_GET['page']) ) {

            $page_number = 1;

        } else {

            $page_number = $_GET['page'];

        }

```

```

$initial_page = ($page_number-1) * $limit;

$getQuery = "SELECT * FROM reservations INNER JOIN books ON
reservations.isbn=books.isbn LIMIT " . $initial_page . ', ' . $limit;

$result2 = $conn->query($getQuery);

if ($result2->num_rows > 0) {
    echo "<table border='1'>
    <tr>
    <th>Book title</th>
    <th>Author</th>
    <th>Reserved</th>
    </tr>";

    while ($row3 = $result2->fetch_assoc()) {
        if (htmlentities($row3['Username']) == $username)
        {
            // $results =
mysql_fetch_array($raw_results) puts data from database into array, while it's valid it does the loop
            echo "<tr><td> ";

            echo
(htmlentities($row3['BookTitle']));

            echo "</td><td> ";

            echo
(htmlentities($row3['Author']));

            echo "</td><td> ";

            echo('<a
href="remove_reserve.php?id=' . htmlentities($row3['ISBN']) . '">Remove Reservation</a>');

            echo "</td></tr>";

            // posts results gotten from
database(title and text) you can also show id ($results['id'])

        }
    }
}

```

```

    }

    else{ // if there is no matching rows do following

        echo "No results";

    }

    for($page_number = 1; $page_number<= $total_pages;
$page_number++){

        echo '<a class="hrefs" href = "reserved.php?page=' .
$page_number . '">' . "Page: ". $page_number . ' </a>';

    }

?>

</body>

```

```

<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>

```

## remove\_reserve.php

```

<link rel="stylesheet" type="text/css" href="style3.css">

<header>

    <nav>

        <ul id="ul1">

            <li class = "li1"><a class = "a1"
href="Assignment.php">Login</a></li>

            <li class = "li1"><a class = "a1"
href="ProjectCreateUser.php">Registration</a></li>

            <li class = "li1"><a class = "a1" href="ProjectLogin.php">Book
Search</a></li>

            <li class = "li1"><a class = "a1"
href="reserved.php">Reservations</a></li>

        </ul>

```

```

        </nav>

    </header>

    <body>

<?php
    require_once "ProjectConnectToHost.php";

    $query = $_GET['id'];

    $sql = "SELECT * FROM books";

    $raw_result = $conn->query($sql);

    if ($raw_result->num_rows > 0) {

        while ($row = $raw_result->fetch_assoc()) {
            // $results = mysql_fetch_array($raw_results) puts data from database into
            array, while it's valid it does the loop
            if (htmlentities($row['ISBN']) == $query &&
htmlentities($row['Rese']) == 'Y')
            {

                $sql2 = "UPDATE books SET Rese = 'N' WHERE ISBN =
'$query'";

                $sql3 = "DELETE FROM reservations WHERE ISBN='$query'";

                if($conn->query($sql2) === TRUE) {
                    if($conn->query($sql3) === TRUE) {
                        echo "Book Reservation removed";
                    }else {
                        echo "Book still reserved";

```

```

        }
    } else {
        echo "Book still reserved";
    }
}

// posts results gotten from database(title and text) you can also
show id ($results['id'])

    }
}

}

else{ // if there is no matching rows do following
    echo "No results";
}

?>
</body>

```

```
<footer><p>Site by: Ryan Deguara &copy; 2021</p></footer>
```

## ProjectConnectToHost.php

```

<?php
$servername = "localhost";
$username = "ryan";
$password = "password1";
$dbname = "projectdb";

// create connection

```

```
$conn = new mysqli($servername, $username, $password, $dbname);
```

```
// check connection
```

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

```
?>
```

## style.css

```
body
```

```
{  
    margin: 0;  
    padding: 0;  
    background-color:#6abadeba;  
    font-family: 'Arial';  
}
```

```
.login{
```

```
    width: 25%;  
    overflow: hidden;  
    margin: auto;  
    padding: 3%;  
    background: #23463f;  
    border-radius: 15px ;
```

```
}
```

```
h2{
```

```
    text-align: center;  
    color: #277582;
```

```
padding: 20px;
}
p{
color: #08ffd1;
font-size: 17px;
}
#Uname, #Pass{
width: 100%;
height: 3.2%;
border: none;
border-radius: 3px;
}
```

```
#submit{
width: 100%;
height: 3.2%;
border: none;
border-radius: 17px;
padding-left: 7px;
color: blue;
}
```

```
#res {

float: right;


background: rgb(183, 225, 233);


padding: 2%;


color: #fff;
```

```
border-radius: 10px;
```

```
margin-right: 10px;
```

```
border: none;
```

```
text-decoration: none;
```

```
}
```

```
#res:hover{
```

```
opacity: .7;
```

```
}
```

```
#ul1 {
```

```
list-style-type: none;
```

```
margin: 0;
```

```
padding : 0;
```

```
overflow: hidden;
```

```
background-color:#23463f;
```

```
}
```

```
.li1{
```

```
float: left;
```

```
}
```

```
.li1 .a1 {
```



```
        display: block;
        color: #FEFEFE;
        font-size: 1em;
        text-align: center;
        padding: 1.5em 2.5em;
        text-decoration: none;
    }

    header, .li1 .a1:hover{
        background-color: rgb(183, 225, 233);
    }

    footer {
        position: absolute;
        bottom: 0;
        background-color: #23463f;
        text-align: center;
        color: #FEFEFE;
        display: inline-block;
        width: 100vw;
    }
}
```

## style2.css

```
body
{
    margin: 0;
    padding: 0;
```

```
background-color:#6abadeba;
font-family: 'Arial';
}
.form1{
    width: 25%;
    overflow: hidden;
    margin: auto;
    padding: 3%;
    background: #23463f;
    border-radius: 15px ;
}
h2{
    text-align: center;
    color: #277582;
    padding: 20px;
}
p{
    color: #08ffd1;
    font-size: 17px;
}
#Uname, #Pass, #Pass2, #first_name, #last_name, #add1, #add2, #city, #tele, #mobile{
    width: 100%;
    height: 3.2%;
    border: none;
    border-radius: 3px;
}

#submit{
    width: 100%;
    height: 3.2%;
```

```
border: none;
border-radius: 17px;
padding-left: 7px;
color: blue;
}
```

```
#res {

float: right;


background: rgb(183, 225, 233);


padding: 2%;


color: #fff;


border-radius: 10px;


margin-right: 10px;


border: none;


text-decoration: none;

}
```

```
#res:hover{

opacity: .7;
```

```
}
```

```
#ul1 {  
    list-style-type: none;  
    margin: 0;  
    padding : 0;  
    overflow: hidden;  
    background-color:#23463f;  
}
```

```
.li1{  
    float: left;  
}
```

```
.li1 .a1 {  
    display: block;  
    color: #FEFEFE;  
    font-size: 1em;  
    text-align: center;  
    padding: 1.5em 2.5em;  
    text-decoration: none;  
}
```

```
header, .li1 .a1:hover{  
    background-color: rgb(183, 225, 233);  
}
```

```
footer {  
    margin-top: 5%;
```

```
        bottom:0;

        background-color: #23463f;

        text-align: center;

        color: #FEFEFE;

        display: inline-block;

        width: 100vw;

    }
```

## style3.css

```
body
{
    margin: 0;
    padding: 0;
    background-color:#6abadeba;
    font-family: 'Arial';
}

.form1{

    width: 25%;

    overflow: hidden;

    margin: auto;

    padding: 3%;

    background: #23463f;

    border-radius: 15px ;

}

.tables{
```

```
        margin-left: auto;
        margin-right: auto;
    }
```

```
h2{
    text-align: center;
    color: #277582;
    padding: 20px;
}
```

```
p{
    color: #08ffd1;
    font-size: 17px;
}
```

```
#input{
    width: 100%;
    height: 5%;
    border: none;
    border-radius: 3px;
    margin-bottom: 2%;
}
```

```
#submit{
    width: 30%;
    height: 3.2%;
    border: none;
    border-radius: 17px;
    padding-left: 7px;
    color: blue;
}
```

```
#res {
```

float: right;

background: rgb(183, 225, 233);

padding: 2%;

color: #fff;

border-radius: 10px;

margin-right: 10px;

border: none;

text-decoration: none;

}

#res:hover{

opacity: .7;

}

#ul1 {

list-style-type: none;

margin: 0;

padding : 0;

overflow: hidden;

```
        background-color:#23463f;
    }

    .li1{
        float: left;
    }

    .li1 .a1 {
        display: block;
        color: #FEFEFE;
        font-size: 1em;
        text-align: center;
        padding: 1.5em 2.5em;
        text-decoration: none;
    }

    header, .li1 .a1:hover{
        background-color: rgb(183, 225, 233);
    }


    footer {
        position:absolute;
        bottom:0;
        background-color: #23463f;
        text-align: center;
        color: #FEFEFE;
        display: inline-block;
        width: 100vw;
        left: 0%;
```



```
}
```

```
table {  
    overflow: hidden;  
    margin: auto;  
    background-color: #6FB57B;  
    font-family:Arial, Helvetica, sans-serif;  
    color:white;  
    border:white 1px solid;  
    margin-top: 5%;  
}
```

```
table th {  
    width: 15vw;  
    height: 7vh;  
    background-color: #23463f;  
    border:white 1px solid;  
}
```

```
table tr {  
    padding-left:20px;  
    border:white 1px solid;  
}
```

```
table td {  
    border:white 1px solid;  
    padding:18px;  
    width: 15vw;  
}
```

```
table td:hover{
```

```
        border: #6abadeba 1px solid;
    }
```

```
table th:hover{
    border: #6abadeba 1px solid;
}
```

```
.hrefs {
    color: #23463f;
    padding-left: 50%;
}
```

## style4.css

```
body
{
    margin: 0;
    padding: 0;
    background-color:#6abadeba;
    font-family: 'Arial';
    position:relative;
}
```

```
.form1{
    width: 25%;
    overflow: hidden;
    margin: auto;
    padding: 3%;
    background: #23463f;
    border-radius: 15px ;
}
```

```
}
```

```
.tables{
```

```
    margin: auto;
```

```
}
```

```
h2{
```

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

```
    color: #277582;
```

```
    padding: 20px;
```

```
}
```

```
p{
```

```
    color: #08ffd1;
```

```
    font-size: 17px;
```

```
}
```

```
#input{
```

```
    width: 100%;
```

```
    border: none;
```

```
    border-radius: 3px;
```

```
    margin-bottom: 2%;
```

```
}
```

```
#submit{
```

```
    width: 30%;
```

```
    border: none;
```

```
    border-radius: 17px;
```

```
    padding-left: 7px;
```

```
    color: blue;
```

```
}
```

```
#res {  
  
    float: right;  
  
    background: rgb(183, 225, 233);  
  
    padding: 2%;  
  
    color: #fff;  
  
    border-radius: 10px;  
  
    margin-right: 10px;  
  
    border: none;  
  
    text-decoration: none;  
  
}
```

```
#res:hover{  
  
    opacity: .7;  
  
}
```

```
#ul1 {  
    list-style-type: none;  
    margin: 0;  
    padding : 0;
```

```
        overflow: hidden;
        background-color: #23463f;
    }
```

```
.li1{
    float: left;
}
```

```
.li1 .a1 {
    display: block;
    color: #FEFEFE;
    font-size: 1em;
    text-align: center;
    padding: 1.5em 2.5em;
    text-decoration: none;
}
```

```
header, .li1 .a1: hover{
    background-color: rgb(183, 225, 233);
}
```

```
footer {
    position: absolute;
    bottom: -15%;
    background-color: #23463f;
    text-align: center;
    color: #FEFEFE;
    display: inline-block;
    width: 100vw;
    left: 0%;
```

```
}
```

```
table {  
    background-color: #6FB57B;  
    font-family:Arial, Helvetica, sans-serif;  
    color:white;  
    border:white 1px solid;  
    overflow: hidden;  
    margin: auto;  
    margin-bottom: 2%;  
}
```

```
table th {  
    width: 5vw;  
    height: 7vh;  
    background-color: #23463f;  
    border:white 1px solid;  
}
```

```
table tr {  
    padding-left:20px;  
    border:white 1px solid;  
}
```

```
table td {  
    border:white 1px solid;  
    padding:18px;  
    width: 5vw;  
}
```

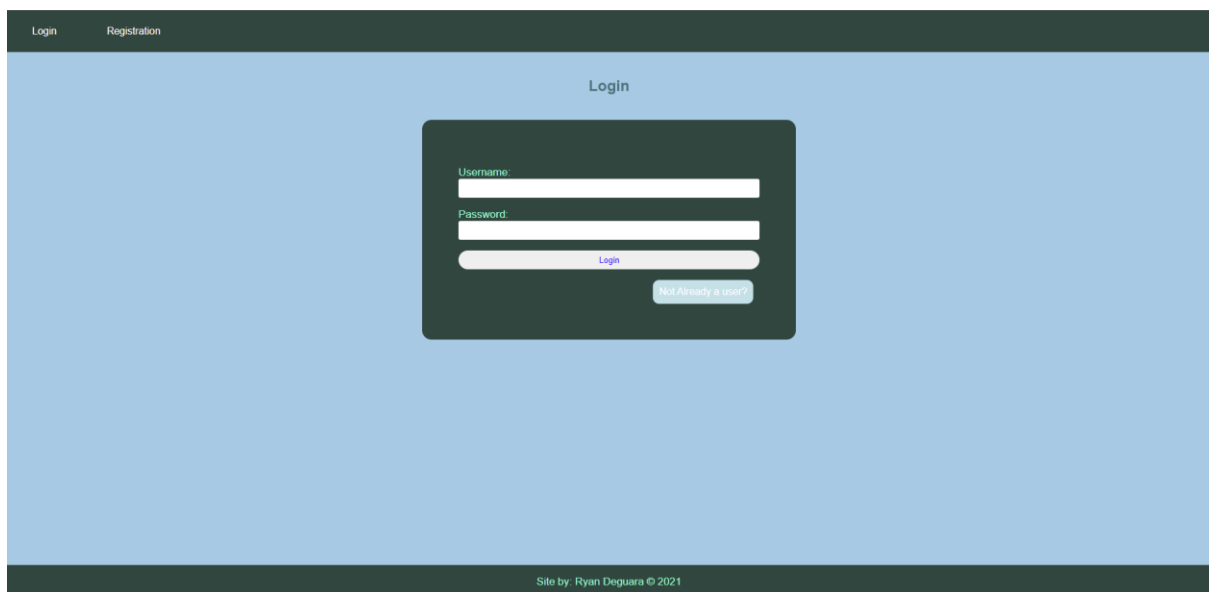
```
table td:hover{  
    border: #6abadeba 1px solid;  
}
```

```
table th:hover{  
    border: #6abadeba 1px solid;  
}
```

```
.hrefs {  
    color: #23463f;  
    padding-left: 48%;  
}
```

## Screenshots:

- Assignment.php



- ProjectCreateUser.php

Registration

Registration

Username:

Password:  
Please enter your password (5 digits)

Re-Enter Password:  
Please enter your password (5 digits)

First Name:

Surname:

Address Line 1:

Address Line 2:

City:

Telephone:  
Please enter your Telephone number (10 digits)

Mobile:  
Please enter your Mobile number (10 digits)

[Add New](#)

[Already a user?](#)

Site by: Ryan Deguara © 2021

- ProjectLogin.php

Search by Book Title/ Author

Search by Book Title/ Author

Search for book/author:

[Search](#)

Search by category:  
 [Search](#)

Site by: Ryan Deguara © 2021

- search.php



[Login](#)
[Registration](#)
[Book Search](#)
[Reservations](#)

### Search by Book Title/ Author

Search for book/author:

Search by category:

-- Select Category --

[Page 1](#)  
[Page 2](#)  
[Page 3](#)

BookTitle	Author	Edition	Year	Category	Reserved	Reserve?
Computers in Business	Alicia Oneil	3	1997	3	N	<a href="#">Reserve</a>
Exploring Peru	Stephanie Birchi	4	2005	5	Y	<a href="#">Reserve</a>
Business Strategy	Joe Peppard	2	2002	2	Y	<a href="#">Reserve</a>
A guide to nutrition	John Thorpe	2	1997	1	Y	<a href="#">Reserve</a>
Cooking for children	Anabelle Sharper	1	2003	7	N	<a href="#">Reserve</a>

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- search2.php

[Login](#)
[Registration](#)
[Book Search](#)
[Reservations](#)

### Search by Book Title/ Author

Search for book/author:

Search by category:

-- Select Category --

[Page 1](#)  
[Page 2](#)

ID	Product Name	Description	Year	Category	Reserved	Reserve?
A guide to nutrition	John Thorpe	2	1997	1	Y	<a href="#">Reserve</a>
My life in picture	Kevin Graham	8	2004	1	Y	<a href="#">Reserve</a>
How to cook italian food	Jamie Oliver	2	2005	1	Y	<a href="#">Reserve</a>
My ranch in Texas	George Bush	1	2005	1	Y	<a href="#">Reserve</a>
My life in bits	John Smith	1	2001	1	N	<a href="#">Reserve</a>

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- reserve.php



- reserved.php



- remove\_reserve.php



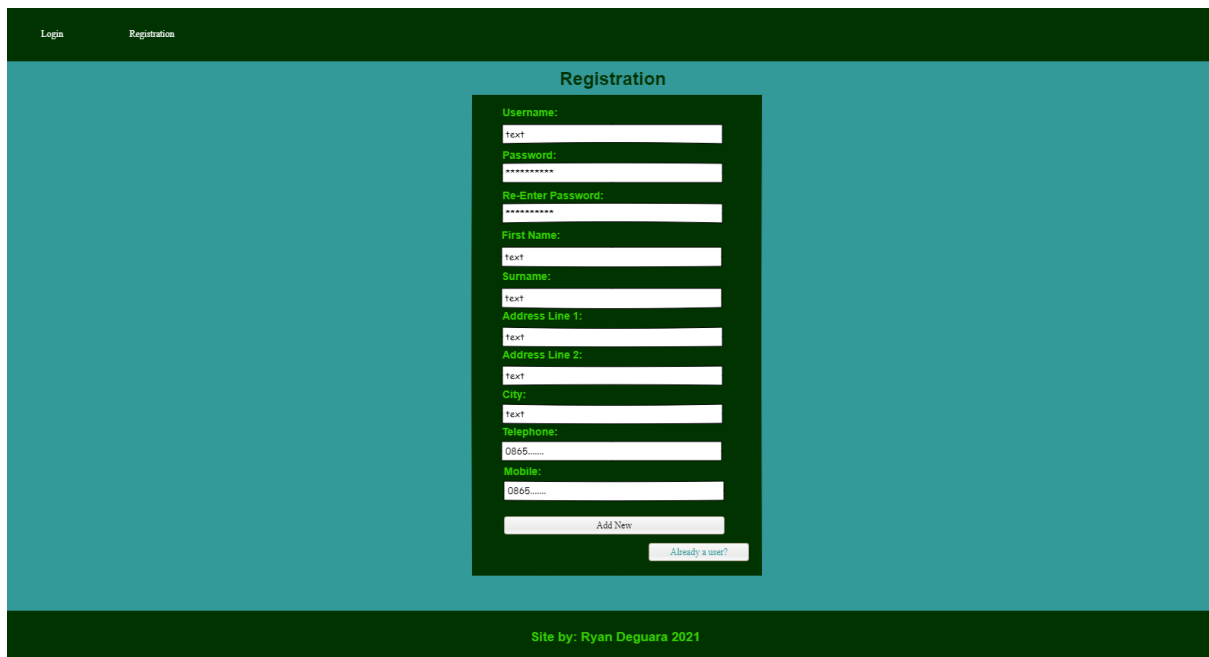
## Design Document:

### Wireframes:

#### Login Page:

A wireframe of a login page. The page has a dark green header with 'Login' and 'Registration' links. The main content area has a teal background with a dark green login form box. The form contains fields for 'Username:' (with a placeholder 'text') and 'Password:' (with a placeholder '\*\*\*\*\*'), a 'Login' button, and a 'Not Already A User?' link. The footer is dark green with the text 'Site by: Ryan Deguara 2021'.

## Registration Page:



The screenshot shows a web application with a dark blue header containing 'Login' and 'Registration' links. The main content area has a light blue background and a dark blue sidebar on the left. A white registration form is centered, titled 'Registration'. It contains fields for Username, Password, Re-Enter Password, First Name, Surname, Address Line 1, Address Line 2, City, Telephone, and Mobile. At the bottom of the form are 'Add New' and 'Already a user?' buttons. The footer is dark blue with the text 'Site by: Ryan Deguara 2021'.

Registration

Username:  
text

Password:  
password

Re-Enter Password:  
password

First Name:  
text

Surname:  
text

Address Line 1:  
text

Address Line 2:  
text

City:  
text

Telephone:  
0865.....

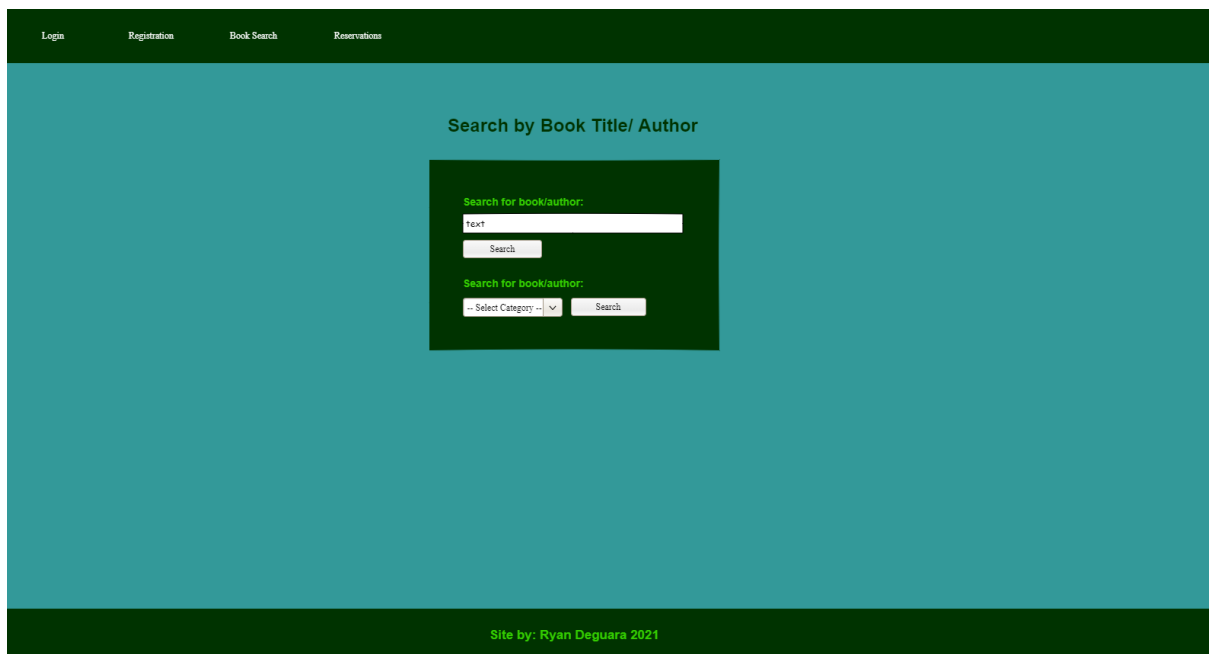
Mobile:  
0865.....

Add New

Already a user?

Site by: Ryan Deguara 2021

## Logged In Page:



The screenshot shows a web application with a dark blue header containing 'Login', 'Registration', 'Book Search', and 'Reservations' links. The main content area has a light blue background and a dark blue sidebar on the left. A white search form is centered, titled 'Search by Book Title/ Author'. It contains a text input field for 'Search for book/author:', a 'Search' button, and a dropdown menu for 'Select Category' with a 'Search' button. The footer is dark blue with the text 'Site by: Ryan Deguara 2021'.

Search by Book Title/ Author

Search for book/author:  
text

Search

Search for book/author:  
-- Select Category -- Search

Site by: Ryan Deguara 2021

## Search Page:

[Login](#)[Registration](#)[Book Search](#)[Reservations](#)

### Search by Book Title/ Author

Search for book/author:

Search for book/author:

[Page 1](#)  
[Page 2](#)

<input type="checkbox"/> Column 1	<input type="checkbox"/> Column 2	<input type="checkbox"/> Column 3	<input type="checkbox"/> Column 5
<input checked="" type="checkbox"/> Cell Content 1	<input checked="" type="checkbox"/> Cell Content 1	<input checked="" type="checkbox"/> Cell Content 1	<input checked="" type="checkbox"/> Cell Content 1
<input type="radio"/> Cell content 2	<input type="radio"/> Cell content 2	<input type="radio"/> Cell content 2	<input type="radio"/> Cell content 2
<input type="radio"/> Cell content 3	<input type="radio"/> Cell content 3	<input type="radio"/> Cell content 3	<input type="radio"/> Cell content 3

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Reservations Page:

[Login](#)[Registration](#)[Book Search](#)[Reservations](#)

[Page 1](#)  
[Page 2](#)

<input type="checkbox"/> Column 1	<input type="checkbox"/> Column 2	<input type="checkbox"/> Column 3	<input type="checkbox"/> Column 5
<input checked="" type="checkbox"/> Cell Content 1	<input checked="" type="checkbox"/> Cell Content 1	<input checked="" type="checkbox"/> Cell Content 1	<input checked="" type="checkbox"/> Cell Content 1
<input type="radio"/> Cell content 2	<input type="radio"/> Cell content 2	<input type="radio"/> Cell content 2	<input type="radio"/> Cell content 2
<input type="radio"/> Cell content 3	<input type="radio"/> Cell content 3	<input type="radio"/> Cell content 3	<input type="radio"/> Cell content 3

Site by: Ryan Deguara 2021