

Web Development 2 Assignment

Documentation 2017/2018

A document that:

- lists the PHP pages used in your application – including a textual description of each page stating what the page does and how it interacts with other pages
- contains a copy listing of your source code (.php , .html) .
- contains a copy sample of each screen as it appears in your application
- design document

The listings of the PHP pages used in my application

1) The Login page (aka login.php)

This page allows you to log into the systems website. The page itself checks if you are a valid user already registered on the website. Through only this are you able to access the content of the application. If you are not registered, you cannot access the system through this way. However, there is a way which you can registered by clicking on the link in the top right-hand corner. This will lead you to the registering page. When you successfully logged in, it will redirect you to the home page. However, if you are already logged in and you try to log in again, it will redirect you to the home page. The details it takes in are your username and password. It checks the database if your username is on it. If this returns positive then it will return whether your password is a match. If it does not, you will not get access to the website.

2) The registering page (aka register.php)

This page will allow you to register in the website system. The page checks if you have the length of your password correct and your mobile number length correct. To make sure you entered your password correct, you need to enter it twice. If you try to take a username already in use, it will throw an error stating the username is already taken. If you are already a member, there is a link in the top right-hand corner which you can use to log into the system. If you try to access this page and already logged in, it will redirect you to the home page. Once you are registered, it will direct you to the home page. The details it takes from you are your first name, surname, street address, mobile number, telephone number and password (twice). It also takes a unique username from you.

3) The Home page (aka home.php)

This page will allow you to access four different pages depending on your choice. However, the first thing it does is checks if you are already logged in. If you are not, you are redirected to the login page. Your choices are to look up available books on the website, to reserve a book and to look at your reserved books. Once all that is completed, you can log out in the

same way as searching for the other pages. All the choices are displayed in a dropdown list. If you want to search for a book, it will direct you to a search page which allow you to search for a book by category or by book title/author name. If you want to look at reserved books, it will send you to the page that displays all the books you have reserved. If you want to reserve a book, it will send you to a page that display all the books and takes in the ISBN number of the book which you want. Since it is the main page, you cannot access any other page through this page.

4) Search page (aka search.php)

This page takes the choice of the user of how they want to search for the book. There are two main ways, known as Book title/Author name or by category, of which either can be picked from a dropdown menu. The page checks if you are already logged in. If you are not, you will be directed to the login page. The form takes in the information of where the user wants to go from there. Once the person has entered what page they want, the information is sent to searching.php. This page basically sends you to the page where it displays the search method desired by the person. If the person wants to get back home, there is a link on the right-hand corner which allows them to return to the home page.

5) The Category Search page (aka category.php)

This page allows you to search for a book(s) based upon their category. The page itself checks if you are already logged in. If you are not, you are redirected to the login page. If you accidentally chose this option, there is a link to go back to the search page. Alternatively, you can also return to the home page by clicking on the link next to the link that returns you to the search page. The page has a dropdown list of the categories which you pick one and send it through its interior php code. The results would be the database returns the books and all the data associated with them which are in that category for you to see.

6) The Book Title/ Author name Search page (aka book_title_author.php)

This page allows you to search for a book(s) based upon the Book Title or Author name. The page itself checks if you are already logged in. If you are not, you are redirected to the login page. If you accidentally chose this option, there is a link to go back to the search page. Alternatively, you can also return to the home page by clicking on the link next to the link that returns you to the search page. The page has a textbox in which you type into and send it through its interior php code. The results would be the database returns the books and all the data associated with them which have that title or that author name for you to see.

7) Reserving a book page (aka reserving2.php)

This page allows you to reserve a book by its ISBN number. If you are not logged in, the page will redirect you to the login page. To make things easier, the page displays the books (Which with their ISBN number beside them and are currently not reserved). You can go back to the home page by clicking on the link on the right-hand side near the top. You can type the ISBN number of the book which you want to reserve. Once you submit that, the book is under your name and it tells you that the book has been reserved.

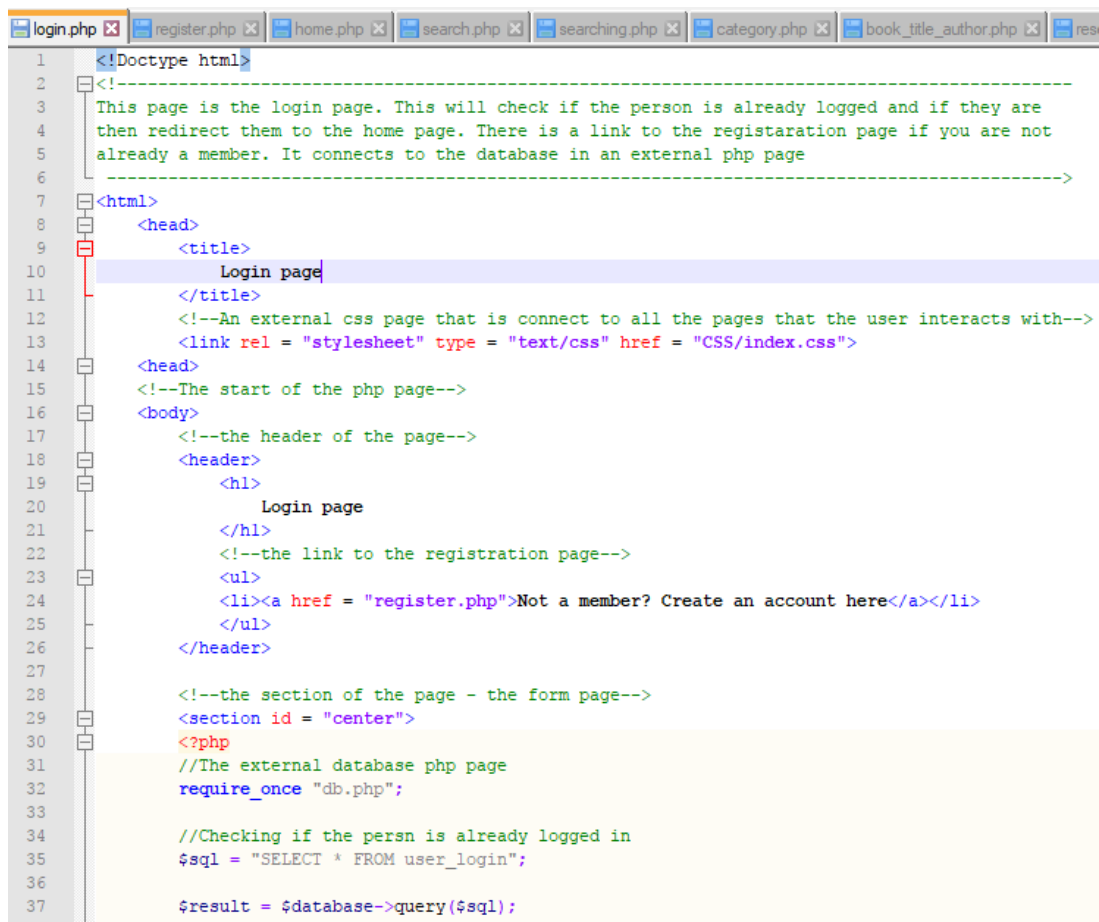
8) Looking at reserved books (aka reserved.php)

This page allow you to look at the books you have reserved. If you are not logged in, the page will redirect you to the login page. This ses your username to find the book which has been reserved under your name. It will return all the books you have reserved to display. Once you are done, You can go back to the home page by clicking on the link on the right-hand side near the top.

9) Database php

This connects to the database and makes sure every needed to run the programme goes smooth.

A) login.php (code first then webpage)



```
1 <!doctype html>
2 <!--
3 This page is the login page. This will check if the person is already logged and if they are
4 then redirect them to the home page. There is a link to the registration page if you are not
5 already a member. It connects to the database in an external php page
6 -->
7 <html>
8 <head>
9 <title>
10 Login page
11 </title>
12 <!--An external css page that is connect to all the pages that the user interacts with-->
13 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
14 </head>
15 <!--The start of the php page-->
16 <body>
17 <!--the header of the page-->
18 <header>
19 <h1>
20 Login page
21 </h1>
22 <!--the link to the registration page-->
23 <ul>
24 <li><a href = "register.php">Not a member? Create an account here</a></li>
25 </ul>
26 </header>
27
28 <!--the section of the page - the form page-->
29 <section id = "center">
30 <?php
31 //The external database php page
32 require_once "db.php";
33
34 //Checking if the persn is already logged in
35 $sql = "SELECT * FROM user_login";
36
37 $result = $database->query($sql);
```

```

36
37     $result = $database->query($sql);
38
39     if ($result->num_rows > 0)
40     {
41         while($row = mysqli_fetch_assoc($result))
42         {
43             if (($row["username"] != '') && ($row["password"] != ''))
44             {
45                 //redirect them if they are logged in
46                 header("Location: home.php");
47             }
48         }
49     }
50
51     //checking if they have content to log in with
52     if(isset($_POST["userName"]) && isset($_POST["passWord"]))
53     {
54         //assign values to variable so we can work with
55         $username = $_POST["userName"];
56         $password = $_POST["passWord"];
57
58         //Checking to database for the username
59         $sql = "SELECT username,password,loggedIn FROM USERS
60             WHERE username = '$username'";
61
62         $result = $database->query($sql);
63
64         //checking if the password is the same
65         if ($result->num_rows > 0)
66         {
67             while($row = mysqli_fetch_assoc($result))
68             {
69                 if ($row["password"] != $password)
70                     $result = !($result);
71             }
72         }
73
74         //checking if the password and username are the same
75         if($result == true)
76         {
77             $sql = "UPDATE user_login SET username = '$username', password = '$password'";
78             $database->query($sql);
79             header("Location: home.php");
80             exit;
81         }
82
83         else
84         {
85             echo "<h3>Your have made a mistake in your attempt to login</h3><br>";
86         }
87     }
88     ?>
89     <!-------
90     Having a form which connects to the interior php code on submission. Its takes the
91     username and password
92     ----->
93     <h1> Please enter your login details</h1>
94     <form method = "post">
95
96         <label>
97             Username
98         </label>
99         <input type = "text" class = "input" name = "userName">
100         <br>
101         <label>
102             Password
103         </label>

```

```

39 <!--the body of the page-->
40 Having a form which connects to the interior php code on submission. Its takes the
41 username and password
42 <!--the footer of the page-->
43 <h1> Please enter your login details</h1>
44 <form method = "post">
45
46     <label>
47         Username
48     </label>
49     <input type = "text" class = "input" name = "userName">
50     <br>
51     <label>
52         Password
53     </label>
54     <input type = "password" class = "input" name = "passWord">
55     <br>
56     <button type = "submit" class = "input">Submit</button>
57     <button type = "reset" class = "input">Reset</button>
58 </form>
59 <p>PS: Have a lovely day :)</p>
60 </section>
61
62 <!--the footer of the page-->
63 <footer>
64     <h1>Site created by William &copy; 2017</h1>
65 </footer>
66 <!--finished the body of the page-->
67 </body>
68 </html>

```

Login page

localhost / 127.0.0.1 / we

localhost/WEBD2/CA/login.php

Login page

Not a member? [Create an account here](#)

Please enter your login details

Username

Password

PS: Have a lovely day :)

Site created by William ©: 2017

B) register.php (code first then webpage)

```

1 <!DOCTYPE html>
2
3 <!--This is the php page that allows you to register. It will check your username to make sure that it is not
4 in use yet as well as your password and your mobile number to make sure it is the reasonable length and
5 your password is what you actually typed.
6 -->
7 <html>
8 <head>
9 <title>
10 Register page
11 </title>
12 <!--An external css page that is connect to all the pages that the user interacts with-->
13 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
14 </head>
15 <!--The start of the php page-->
16 <body>
17 <!--the header of the page-->
18 <header>
19 <h1>
20 Registration page
21 </h1>
22
23 <ul>
24 <!--the link to the login page page-->
25 <li><a href = "Login.php"> Already a member: Login Here</a></li>
26 </ul>
27 </header>
28
29 <!--the section of the page - the form page-->
30 <section id = "center">
31 <?php
32 //The external database php page
33 require_once "db.php";
34
35 //Checking if the person is already logged in
36 $sql = "SELECT * FROM user_login";
37
38 //Checking if the person is already logged in
39 $sql = "SELECT * FROM user_login";
40
41 $result = $database->query($sql);
42
43 if ($result->num_rows > 0)
44 {
45 while($row = mysqli_fetch_assoc($result))
46 {
47 if (($row["username"] != '') && ($row["password"] != ''))
48 {
49 //redirect them if they are logged in
50 header("Location: home.php");
51 }
52 }
53 }
54
55 //Taking in all the details in association with their account
56 if(isset($_POST["FName"]) && isset($_POST["SName"]) && isset($_POST["userName"])
57 && isset($_POST["passWord"]) && isset($_POST["passWord2"]) && isset($_POST["AL1"])
58 && isset($_POST["AL2"]) && isset($_POST["CITY_TOWN"]) && isset($_POST["MobN"]) && isset($_POST["TelN"]))
59 {
60 //assign values to variable so we can work with
61 $fname = $_POST["FName"];
62 $SName = $_POST["SName"];
63 $username = $_POST["userName"];
64 //making sure the user enters the same password twice
65 $password = $_POST["passWord"];
66 $password2 = $_POST["passWord2"];
67 $address_line1 = $_POST["AL1"];
68 $address_line2 = $_POST["AL2"];
69 $city_town = $_POST["CITY_TOWN"];
70 $mobile_num = $_POST["MobN"];
71 //casting two variable so we can check their length
72 $mob_ck = (STRING) $mobile_num;

```

```

65     $address_line2 = $_POST["AL2"];
66     $city_town = $_POST["CITY_TOWN"];
67     $mobile_num = $_POST["MobN"];
68     //casting two variable so we can check their length
69     $mob_ck = (STRING) $mobile_num;
70     $pass_ck = (STRING) $password;
71     $telephone_num = $_POST["TelN"];
72
73     //checking if the password is confirmed and the length of password and mobile number are sufficient size
74     if (($password == $password2) && (strlen($mob_ck) == 10) && (strlen($pass_ck) == 6))
75     {
76         $sql = "INSERT into USERS (username,password,FName,SName,
77             Addline1, Addline2, city_town,mobile_num,telephone_num)
78             VALUES ('$username','$password','$fname','$SName',
79             '$address_line1','$address_line2','$city_town',
80             '$mobile_num','$telephone_num')";
81
82         //Checking if the username is unique
83         if(($database->query($sql)) == true)
84         {
85             $sql = "UPDATE user_login SET username = '$username', password = '$password'";
86             $database->query($sql);
87             header("Location: home.php");
88             exit;
89         }
90
91         else
92         {
93             echo "<h3>You have selected an inuse username</h3><br>";
94         }
95     }
96     else
97     {
98         echo "Password should be 6 characters in length and moblie should be ten digits";
99     }
100     ?>

```

```

100     ?>
101     <!--
102     Having a form which takes the details of the user and stores them on the database
103     -->
104     <h1> Please enter your details for registration please</h1>
105     <form method = "post">
106         <label>
107             First Name
108         </label>
109         <input type = "text" class = "input" name = "FName">
110         <br>
111         <label>
112             Surname
113         </label>
114         <input type = "text" class = "input" name = "SName">
115         <br>
116         <label>
117             Username
118         </label>
119         <input type = "text" class = "input" name = "userName">
120         <br>
121         <label>
122             Password
123         </label>
124         <input type = "password" class = "input" name = "passWord">
125         <br>
126         <label>
127             Confirm Password
128         </label>
129         <input type = "password" class = "input" name = "passWord2">
130         <br>
131         <label>
132             Address line 1
133         </label>
134         <input type = "text" class = "input" name = "AL1">
135         <br>

```



```

login.php x register.php x home.php x search.php x searching.php x category.php
135         <br>
136         <label>
137             Address line 2
138         </label>
139         <input type = "text" class = "input" name = "AL2">
140     </input>
141     <br>
142     <label>
143         City / Town
144     </label>
145     <input type = "text" class = "input" name = "CITY_TOWN">
146 </input>
147 <br>
148 <label>
149     Mobile Number
150 </label>
151 <input type = "number" class = "input" name = "MobN">
152 <br>
153 <label>
154     Telephone Number
155 </label>
156 <input type = "number" class = "input" name = "TelN">
157 <br>
158 <button type = "submit" class = "input">Submit</button>
159 <button type = "reset" class = "input">Reset</button>
160 </form>
161 <p>PS: Have a lovely day :)</p>
162 </section>
163
164 <!--the footer of the page-->
165 <footer>
166     <h1>Site created by William &copy: 2017</h1>
167 </footer>
168 <!--finished the body of the page-->
169 </body>
170 </html>

```

Register page x localhost / 127.0.0.1 / vnc X

localhost/WEBD2/CA/register.php

Registration page

Already a member: [Login Here](#)

Please enter your details for registration please

First Name
 Surname
 Username
 Password
 Confirm Password
 Address line 1
 Address line 2

City / Town
 Mobile Number
 Telephone Number

PS: Have a lovely day :)

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C) home.php (code first then webpage)

```

login.php x register.php x home.php x search.php x searching.php x category.php x book_title_author.php x resen
1 <html>
2 <!------->
3 This is the home page, where everything is connected. This page directs you to four pages
4 based upon your submission. It connects it own interoir page which redirects you to other
5 pages upon request.
6 <!------->
7 <head>
8 <title>
9 Home page
10 </title>
11 <!--An external css page that is connect to all the pages that the user interacts with-->
12 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
13 </head>
14 <body>
15 <header>
16 <h1>
17 Search page
18 </h1>
19 </header>
20
21 <section id = "center">
22 <?php
23 //The external database php page
24 require_once "db.php";
25
26 //checking if the person is not currently logged in
27 $sql = "SELECT * FROM user_login";
28
29 $result = $database->query($sql);
30
31 if ($result->num_rows > 0)
32 {
33 while($row = mysqli_fetch_assoc($result))
34 {
35 if (($row["username"] == '') && ($row["password"] == ''))
36 {
37 {
38 while($row = mysqli_fetch_assoc($result))
39 {
40 if (($row["username"] == '') && ($row["password"] == ''))
41 {
42 //redirect them if they aren't logged in
43 header("Location: login.php");
44 }
45 }
46 }
47
48 //checking what does the user what to do and redirect them based on their choice
49 if(isset($_POST['selecting']))
50 {
51 $select = $_POST['selecting'];
52
53 switch($select)
54 {
55 case 'look_books':
56 header("Location: search.php");
57 break;
58 case 'reserve_book':
59 header("Location: reserving2.php");
60 break;
61 case 'look_reserved_books':
62 header("Location: reserved.php");
63 break;
64 case 'logout':
65 $sql = "UPDATE user_login SET username = '', password = ''";
66 $database->query($sql);
67 header("Location: login.php");
68 break;
69 Default:
70 header("Location: home.php");
71 break;
72 }
73 }
74 }
75 }
76 }
77 }
78 }
79 }
80 }
81 }
82 }
83 }
84 }
85 }
86 }
87 }
88 }
89 }
90 }
91 }
92 }
93 }
94 }
95 }
96 }
97 }
98 }
99 }
100 }

```

```
login.php x register.php x home.php x search.php x searching.php x category.php x book_title_author.php x
54 case 'reserve_book':
55     header("Location: reserving2.php");
56     break;
57 case 'look_reserved_books':
58     header("Location: reserved.php");
59     break;
60 case 'logout':
61     $sql = "UPDATE user_login SET username = '', password = ''";
62     $database->query($sql);
63     header("Location: login.php");
64     break;
65 Default:
66     header("Location: home.php");
67     break;
68 }
69
70 }
71 ?>
72 <!--Checks to see what does the person wants to do with the website-->
73 <form method = "POST" >
74 <h1>Options on this site</h1>
75 <label>What would you like to do</label><select name = "selecting" class = "input">
76 <option value = ""></option>
77 <option value = "look_books">Look up books available</option>
78 <option value = "reserve_book">Reserve a Book</option>
79 <option value = "look_reserved books">Look at books reserved</option>
80 <option value = "logout">Log out</option></select><br>
81 <button type = "submit" class = "input">Submit</button>
82 <button type = "reset" class = "input">Reset</button>
83 </form>
84 <section>
85
86 <footer>
87 <h1>Site created by William &copy;: 2017</h1>
88 </footer>
89
90 </html>
```



D) Search.php (code first then webpage)

```

login.php x register.php x home.php x search.php x searching.php x category.php x book_title_author.php x reserving2.php
1 <!doctype html>
2 <!--
3 This page allows them to look up the book(s) which they want to know about. It will redirect based
4 upon their choice of how to select
5 -->
6 <html>
7 <head>
8 <title>
9     Search page
10 </title>
11 <!--An external css page that is connect to all the pages that the user interacts with-->
12 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
13 </head>
14 <body>
15 <header>
16 <h1>
17     Search page
18 </h1>
19 <!--The choice to go back to the home page if desired-->
20 <ul>
21 <li><a href = "home.php">Back to home page</a></li>
22 </ul>
23 </header>
24
25 <?php
26 //The external database php page
27 require_once "db.php";
28
29 //checking if the person is not currently logged in
30 $sql = "SELECT * FROM user_login";
31
32 $result = $database->query($sql);
33
34 if ($result->num_rows > 0)
35 {
36     while($row = mysqli_fetch_assoc($result))
37     {
38         if (($row["username"] == '') && ($row["password"] == ''))
39         {
40             //redirect them if they aren't logged in
41             header("Location: login.php");
42         }
43     }
44 }
45
46 <!--Takes in data and send it to another php page called "searching.php"-->
47 <section id = "center">
48 <form method = "POST" action = "searching.php">
49 <h1>Please select which type of method do you want to search by</h1>
50 <label>Book Title/Author or Category</label><select name = "selecting" class = "input">
51 <option value = "></option>
52 <option value = "Book_Title_Author">Book Title/Author</option>
53 <option value = "Category">Category</option></select><br>
54 <button type = "submit" class = "input">Submit</button>
55 <button type = "reset" class = "input">Reset</button>
56 </form>
57 </section>
58
59 <footer>
60 <h1>Site created by William &copy; 2017</h1>
61 </footer>
62 </body>
63 </html>

```

Search page

localhost / 127.0.0.1 / we

localhost/WEBD2/CA/search.php

Back to home page

Please select which type of method do you want to search by

Book Title/Author or Category

SubmitReset

Site created by William ©: 2017

Please select which type of method do you want to search by

Book Title/Author or Category

Book Title/Author

SubmitReset

Site created by William ©: 2017

Please select which type of method do you want to search by

Book Title/Author or Category

Category

SubmitReset

Site created by William ©: 2017

E) Searching.php (code first then webpage)

```

1 <html>
2 <!--
3 Takes input from "search.php" and redirects to one of the two pages desired
4 -->
5 <?php
6 //The external database php page
7 require_once "db.php";
8
9 //checking if the person is not currently logged in
10 $sql = "SELECT * FROM user_login";
11
12 $result = $database->query($sql);
13
14 if ($result->num_rows > 0)
15 {
16     while($row = mysqli_fetch_assoc($result))
17     {
18         if (($row["username"] == '') && ($row["password"] == ''))
19         {
20             //redirect them if they aren't logged in
21             header("Location: login.php");
22         }
23     }
24 }
25 if(isset($_POST['selecting']))
26 {
27     $select = $_POST['selecting'];
28
29     switch($select)
30     {
31         case 'Book_Title_Author':
32             header("Location: book_title_author.php");
33             break;
34         case 'Category':
35             header("Location: category.php");
36             break;
37         Default:
38             header("Location: search.php");
39             break;
40     }
41 }
42
43 ?>
44 </html>

```

The screenshot shows a code editor with the PHP code for `searching.php`. The code includes a comment at the top stating its purpose: "Takes input from 'search.php' and redirects to one of the two pages desired". It uses `require_once` to include `db.php`. It then checks if a user is logged in by querying the `user_login` table. If a user is logged in, it checks if the username and password are empty. If they are, it redirects to `login.php`. If a POST request is received with a 'selecting' parameter, it uses a switch statement to redirect to `book_title_author.php` (for 'Book_Title_Author'), `category.php` (for 'Category'), or `search.php` (for the default case). The code is enclosed in an HTML document structure.

Below the code editor, a browser window is visible. The address bar shows the URL `localhost/WEBD2/CA/searching.php`. The browser tabs include "Search page", "localhost / 127.0.0.1 / we", and "localhost/WEBD2/CA/se".

(No kidding – searching.php just redirects immediately after being called)

F) Category.php (code first then webpage)

```

1  <!DOCTYPE html>
2  <!--
3  Redirected from "searching.php" if the person decided to search by category. Once the data has
4  been entered, the database will return the books in that category
5  -->
6  <html>
7  <head>
8  <title>
9  Category page
10 </title>
11 <!--An external css page that is connect to all the pages that the user interacts with-->
12 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
13 </head>
14
15 <body>
16 <header>
17 <h1>
18 Search page
19 </h1>
20 <!--Links to go back home or to change the search option-->
21 <ul>
22 <li><a href = "search.php">Didn't want this option? Go Back here?</a></li>
23 <li><a href = "home.php">Back to home page</a></li>
24 </ul>
25 </header>
26
27 <section id = "center">
28 <?php
29 //The external database php page
30 require_once "db.php";
31
32 //checking if the person is not currently logged in
33 $sql = "SELECT * FROM user_login";
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50 //checks if the person has entered a category number
51 if(isset($_POST['selecting']))
52 {
53     $cat = $_POST['selecting'];
54
55     $sql = "SELECT * FROM book_details
56           JOIN categories ON (book_details.category = categories.categoryId)
57           WHERE categoryDes = '$cat'";
58
59     $result = $database->query($sql);
60
61     //display all the books which follows that category
62     if ($result->num rows > 0)

```

```

58         $result = $database->query($sql);
59
60         //display all the books which follows that category
61         if ($result->num_rows > 0)
62         {
63             echo '<table border = "1">';
64             while($row = mysqli_fetch_assoc($result))
65             {
66                 echo "<tr>";
67                 foreach($row as $var)
68                 {
69                     echo "<td>$var</td>";
70                 }
71                 echo "</tr><br>";
72             }
73             echo '</table>';
74         }
75
76         else
77         {
78             echo "There is no book with with that name";
79         }
80     }
81     ?>
82     <!--Form to display the categories, which is retrieved from the database-->
83     <form method = "post">
84     <h1>Please select which category to search by</h1>
85     <label>Category</label><select class = "input" name = "selecting">
86     <option value = ".....">.....</option>
87     <?php
88
89     require_once "db.php";
90
91     $sql = "SELECT categoryDes FROM categories";
92
93     $result = $database->query($sql);

```

```

76     else
77     {
78         echo "There is no book with with that name";
79     }
80 }
81 ?>
82 <!--Form to display the categories, which is retrieved from the database-->
83 <form method = "post">
84 <h1>Please select which category to search by</h1>
85 <label>Category</label><select class = "input" name = "selecting">
86 <option value = ".....">.....</option>
87 <?php
88
89     require_once "db.php";
90
91     $sql = "SELECT categoryDes FROM categories";
92
93     $result = $database->query($sql);
94
95     if ($result->num_rows > 0)
96     {
97         while($row = mysqli_fetch_assoc($result))
98         {
99             ECHO "<option value = ".$row["categoryDes"].">".$row["categoryDes"]."</option>";
100         }
101     }
102     ?></select><br>
103     <button type = "submit" class = "input">Submit</button>
104     <button type = "reset" class = "input">Reset</button>
105     </form>
106     <section>
107
108     <footer>
109     <h1>Site created by William scopy: 2017</h1>
110     </footer>
111     </body>
112 </html>

```


Search page

[Back to home page](#)

[Didn't want this option? Go Back here?](#)

Please select which category to search by

Category

Submit

Reset

Site created by William ©: 2017

Search page

[Back to home page](#)

[Didn't want this option? Go Back here?](#)

Please select which category to search by

Category Technology

Submit

Reset

Site created by William ©: 2017

Search page

[Back to home page](#)

82n8-308

Compuers for idiots

Susan ONeil

5 1998 004 Y 004 Technology

Please select which category to search by

Category

Submit

Reset

Site created by William ©: 2017

G) Book_title_author.php (code first then webpage)

```

1 <!doctype html>
2 <!--
3 Redirected from "searching.php" if the person decided to search by book title or author name.
4 Once the data has been entered, the database will return the books with the same title and/or same
5 author
6 -->
7 <html>
8 <head>
9 <title>
10     Book Title/ Author page
11 </title>
12 <!--An external css page that is connect to all the pages that the user interacts with-->
13 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
14 <ul>
15 <head>
16
17 <body>
18 <header>
19 <h1>
20     Search page
21 </h1>
22 <!--Links to go back home or to change the search option-->
23 <ul>
24 <li><a href = "search.php">Didn't want this option? Go Back here?</a></li>
25 <li><a href = "home.php">Back to home page</a></li>
26 </ul>
27 </header>
28
29 <section id = "center">
30 <?php
31 //The external database php page
32 require_once "db.php";
33
34 //checking if the person is not currently logged in
35 $sql = "SELECT * FROM user_login";
36
37 $result = $database->query($sql);
38
39 if ($result->num_rows > 0)
40 {
41     while($row = mysqli_fetch_assoc($result))
42     {
43         if (($row["username"] == '') && ($row["password"] == ''))
44         {
45             //redirect them if they aren't logged in
46             header("Location: login.php");
47         }
48     }
49 }
50
51 //checking if search by book title only - return result if found
52 if(isset($_POST['book_title']) && ($_POST['author'] == ''))
53 {
54     $book = $_POST['book_title'];
55
56     $sql = "SELECT * from book_details WHERE BookTitle = '$book'";
57
58     if ($result->num_rows > 0)
59     {
60         echo '<table border = "1">';
61         while($row = mysqli_fetch_assoc($result))
62         {
63             echo "<tr>";
64             foreach($row as $var)
65             {
66                 echo "<td>$var</td>";
67             }
68             echo "</tr>";
69         }
70         echo '</table>';
71     }
72 }

```

```

login.php x register.php x home.php x search.php x searching.php x category.php x book_title_author.php x
70         }
71         echo '</table>';
72     }
73
74     else
75     {
76         echo "There is no book with with that name";
77     }
78 }
79 //checking if search by book author only - return results if found
80 else if(isset($_POST['author']) && ($_POST['book_title'] == ''))
81 {
82     $author = $_POST['author'];
83
84     $sql = "SELECT * from book_details WHERE author = '$author'";
85
86     $result = $database->query($sql);
87
88     if($result->num_rows > 0)
89     {
90         echo '<table border = "1">';
91         while($row = mysqli_fetch_assoc($result))
92         {
93             echo "<tr>";
94             foreach($row as $var)
95             {
96                 echo "<td>$var</td>";
97             }
98             echo "</tr><br>";
99         }
100         echo '</table>';
101     }
102
103     else
104     {
105         Echo "There is no author with that name";
106     }

```

```

login.php x register.php x home.php x search.php x searching.php x category.php x book_title_author.php x
103     else
104     {
105         Echo "There is no author with that name";
106     }
107
108 }
109 //Checking if searching by both author and book title
110 else if(isset($_POST['author']) && isset($_POST['book_title'])
111         && !($_POST['book_title'] == '' && $_POST['author'] == ''))
112 {
113     $author = $_POST['author'];
114     $book = $_POST['book_title'];
115
116     $sql = "SELECT * from book_details WHERE author = '$author'";
117     $sql2 = "SELECT * from book_details WHERE BookTitle = '$book'";
118
119     $result = $database->query($sql);
120     $result2 = $database->query($sql2);
121
122     if($result->num_rows > 0)
123     {
124         echo '<table border = "1">';
125         while($row = mysqli_fetch_assoc($result))
126         {
127             echo "<tr>";
128             foreach($row as $var)
129             {
130                 echo "<td>$var</td>";
131             }
132             echo "</tr><br>";
133         }
134         echo '</table>';
135     }
136
137     else if ($result2->num_rows > 0)
138     {
139         while($row = mysqli_fetch_assoc($result2))

```

```
login.php register.php home.php search.php searching.php category.php book_title_author.php reserving2
137         else if ($result2->num_rows > 0)
138         {
139             while($row = mysqli_fetch_assoc($result2))
140             {
141                 echo "<tr>";
142                 foreach($row as $var)
143                 {
144                     echo "<td>$var</td>";
145                 }
146                 echo "</tr><br>";
147             }
148             echo "</table>";
149         }
150
151         else
152         {
153             echo "There is no author or book with that name";
154         }
155     }
156 }
157
158 <!--
159 Form to take data to search up the books nessacary
160
161 <form method = "post">
162 <h1>Please select which of methods provided do you want to search by</h1>
163 <label>Book Title</label><input type = "text" class = "input" name = "book_title" value = "">
164 <label>Author</label><input type = "text" class = "input" name = "author" value = ""><br>
165 <button type = "submit" class = "input">Submit</button>
166 <button type = "reset" class = "input">Reset</button>
167 </form>
168
169 <section>
170
171 <footer>
172 <h1>Site created by William scopy: 2017</h1>
173 </footer>
174
175 </body>
176
177 </html>
```



Book Title/ Author page

localhost / 127.0.0.1 / we

localhost/WEBD2/CA/book_title_author.php

Search page

[Back to home page](#) [Didn't want this option?](#)

82n8-308	Compuers for idiots	Susan ONeil	5	1998	004	Y
----------	---------------------	-------------	---	------	-----	---

Please select which of methods provided do you want to search by

Book Title

Author

SubmitReset

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Book Title/ Author page

localhost / 127.0.0.1 / we

localhost/WEBD2/CA/book_title_author.php

Search page

[Back to home page](#) [Didn't want this option?](#)

82n8-308	Compuers for idiots	Susan ONeil	5	1998	004	Y
----------	---------------------	-------------	---	------	-----	---

Please select which of methods provided do you want to search by

Book Title

Author

SubmitReset

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H) Reserving2.php (code first then webpage)

```

login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.css x
1 <html>
2 <!--
3 This page takes the isbn number of the book you want to reserve and reserve it in your username
4 Once that is completed, the book cannot be reserved by anyone else
5 -->
6 <head>
7 <title>
8     Reserving page
9 </title>
10 <!--An external css page that is connect to all the pages that the user interacts with-->
11 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
12 </head>
13
14 <body>
15 <header>
16 <h1>
17     Reserving a book page
18 </h1>
19 <!--The choice to go back to the home page if desired-->
20 <ul>
21 <li><a href = "home.php">Back to home page</a></li>
22 </ul>
23 </header>
24
25 <section id = "center">
26 <?php
27 //The external database php page
28 require_once "db.php";
29
30 //checking if the person is not currently logged in
31 $sql = "SELECT * FROM user_login";
32
33 $result = $database->query($sql);
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64

```

```

login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.css x
28 require_once "db.php";
29
30 //checking if the person is not currently logged in
31 $sql = "SELECT * FROM user_login";
32
33 $result = $database->query($sql);
34
35 if ($result->num_rows > 0)
36 {
37     while($row = mysqli_fetch_assoc($result))
38     {
39         if (($row["username"] == '') && ($row["password"] == ''))
40         {
41             //redirect them if they aren't logged in
42             header("Location: login.php");
43         }
44     }
45 }
46
47 //checking which book to reserve and update databases upon decision
48 if(isset($_POST['book_title']))
49 {
50     $order = $_POST['book_title'];
51
52     $sql = "UPDATE book_details SET Reserve = 'Y' WHERE ISBN = '$order' AND Reserve = 'N'";
53
54     $result = $database->query($sql);
55
56     if($result == true)
57     {
58
59         $sql2 = "SELECT * FROM user_login";
60
61         $result3 = $database->query($sql2);
62
63         if ($result->num_rows > 0)
64         {

```

```

login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.css x
61 $result3 = $database->query($sql2);
62
63 if ($result->num_rows > 0)
64 {
65     while($row = mysqli_fetch_assoc($result3))
66     {
67         $username = $row["username"];
68         $sql3 = "INSERT INTO reservations (ISBN, username , ReservedDate) VALUES ('$order','$username',CURDATE())";
69         $result2=$database->query($sql3);
70         if($result2 == true)
71             Echo "Book Reserved";
72     }
73 }
74 }
75
76 else
77 {
78     echo "There is no book with with that number";
79 }
80
81 }
82 //display all the books that could be reserved
83 $sql = "SELECT * FROM book_details WHERE Reserve = 'N'";
84
85 $result = $database->query($sql);
86
87 if ($result->num_rows > 0)
88 {
89     echo '<table border = "1">';
90     while($row = mysqli_fetch_assoc($result))
91     {
92         echo "<tr>";
93         foreach($row as $var)
94         {
95             echo "<td>$var</td>";
96         }
97         echo "</tr><br>";

```

```

login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.cs
87 if ($result->num_rows > 0)
88 {
89     echo '<table border = "1">';
90     while($row = mysqli_fetch_assoc($result))
91     {
92         echo "<tr>";
93         foreach($row as $var)
94         {
95             echo "<td>$var</td>";
96         }
97         echo "</tr><br>";
98     }
99     echo '</table>';
100 }
101
102 else
103 {
104     echo "There is no book with with that name";
105 }
106 ?>
107
108 <!--Taking the data to seee which book to be reserved-->
109 <form method = "post">
110 <h1>Please enter the ISBN of the book which you want to reserve</h1>
111 <input type = "text" class = "input" name = "book_title" value = "">
112 <br>
113 <button type = "submit" class = "input">Submit</button>
114 <button type = "reset" class = "input">Reset</button>
115 </form>
116 <section>
117
118 <footer>
119 <h1>Site created by William &copy; 2017</h1>
120 </footer>
121
122 </html>

```

Reserving page

localhost / 127.0.0.1 / www

localhost/WEBD2/CA/reserving2.php

Reserving a book page

[Back to home page](#)

23472-8729	Exploring Peru	Stephanie Birch	4	2005	005	N
237-34823	Business Strategy	Joe Peppard	2	2002	002	N
23u8-923849	A guide to nutrition	John Thorpe	2	1997	001	N
2983-3494	Cooking for children	Anabelle Sharpe	1	2003	007	N
823-23984	My life in picture	Kevin Graham	8	2004	001	N
823-2403-0	DaVinci Code	Dan Brown	1	2003	008	N
823-98487	Optimising your business	Ceo Blair	1	2001	002	N
88745-234	Tara Road	Meave Binchy	4	2002	008	N
993-004-00	My life in bits	John Smith	1	2001	001	N
9987-0039882	Shooting History	Jon Snow	1	2003	001	N

23472-8729	Exploring Peru	Stephanie Birch	4	2005	005	N
237-34823	Business Strategy	Joe Peppard	2	2002	002	N
23u8-923849	A guide to nutrition	John Thorpe	2	1997	001	N
2983-3494	Cooking for children	Anabelle Sharpe	1	2003	007	N
823-23984	My life in picture	Kevin Graham	8	2004	001	N
823-2403-0	DaVinci Code	Dan Brown	1	2003	008	N
823-98487	Optimising your business	Ceo Blair	1	2001	002	N
88745-234	Tara Road	Meave Binchy	4	2002	008	N
993-004-00	My life in bits	John Smith	1	2001	001	N
9987-0039882	Shooting History	Jon Snow	1	2003	001	N

Please enter the ISBN of the book which you want to reserve

SubmitReset

Site created by William ©: 2017

23472-8729	Exploring Peru	Stephanie Birch	4	2005	005	N
237-34823	Business Strategy	Joe Peppard	2	2002	002	N
23u8-923849	A guide to nutrition	John Thorpe	2	1997	001	N
2983-3494	Cooking for children	Anabelle Sharpe	1	2003	007	N
9823-23984	My life in picture	Kevin Graham	8	2004	001	N
9823-2403-0	DaVinci Code	Dan Brown	1	2003	008	N
9823-98487	Optimising your business	Ceo Blair	1	2001	002	N
988745-234	Tara Road	Meave Binchy	4	2002	008	N
993-004-00	My life in bits	John Smith	1	2001	001	N
9987-0039882	Shooting History	Jon Snow	1	2003	001	N

Please enter the ISBN of the book which you want to reserve

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Reserving page

localhost / 127.0.0.1 / w...

localhost/WEBD2/CA/reserving2.php

Reserving a book page

Back to home page

Book Reserved

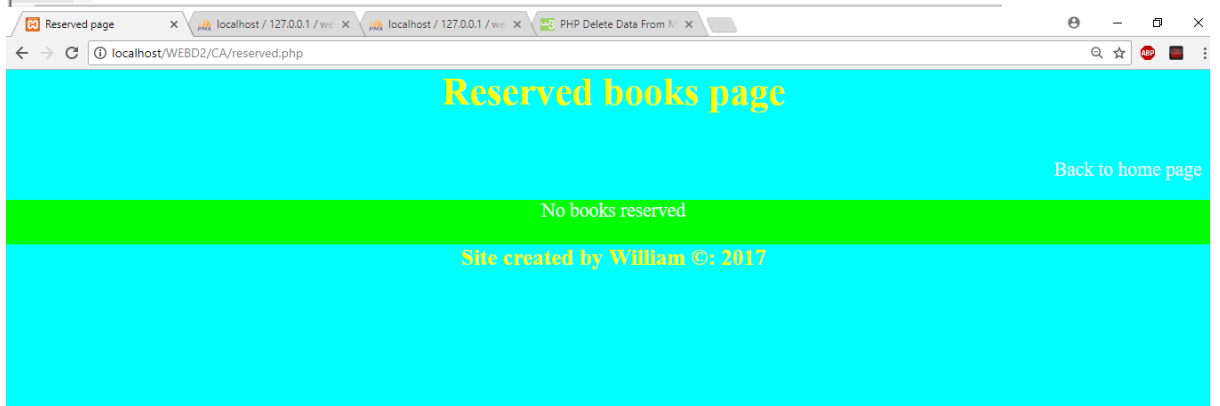
I) Reserved.php (code first then webpage)

```

New
1 <html>
2 <!--
3 This page shows you all the books reserved by you as the user
4 -->
5 <head>
6 <title>
7     Reserved page
8 </title>
9 <link rel = "stylesheet" type = "text/css" href = "CSS/index.css">
10 </head>
11
12 <body>
13 <header>
14 <h1>
15     Reserved books page
16 </h1>
17 <!--The choice to go back to the home page if desired-->
18 <ul>
19 <li><a href = "home.php">Back to home page</a></li>
20 </ul>
21 </header>
22
23 <section id = "center">
24 <?php
25 //The external database php page
26 require_once "db.php";
27
28 //checking if the person is not currently logged in
29 $sql = "SELECT * FROM user_login";
30
31 $result = $database->query($sql);
32
33 if ($result->num_rows > 0)
34 {
35     while($row = mysqli_fetch_assoc($result))
36     {
37         if (($row["username"] == '') && ($row["password"] == ''))
38         {
39             //redirect them if they aren't logged in
40             header("Location: login.php");
41         }
42     }
43 }
44 //getting the book reserved from database and display it to the user
45 $sql = "SELECT * FROM book_details WHERE ISBN =
46 (SELECT ISBN FROM reservations WHERE username = (SELECT username FROM user_login))";
47
48 $result = $database->query($sql);
49
50 if ($result->num_rows > 0)
51 {
52     echo '<table border = "1">';
53     while($row = mysqli_fetch_assoc($result))
54     {
55         echo "<tr>";
56         foreach($row as $var)
57         {
58             echo "<td>$var</td>";
59         }
60         echo "</tr><br>";
61     }
62     echo '</table>';
63 }
64
65 else
66 {
67     echo "No books reserved";
68 }
69 }
70

```

```
login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.css x
42 }
43 }
44 //getting the book reserved from database and display it to the user
45 $sql = "SELECT * FROM book_details WHERE ISBN =
46 (SELECT ISBN FROM reservations WHERE username = (SELECT username FROM user_login))";
47
48 $result = $database->query($sql);
49
50 if ($result->num_rows > 0)
51 {
52     echo '<table border = "1">';
53     while($row = mysqli_fetch_assoc($result))
54     {
55         echo "<tr>";
56         foreach($row as $var)
57         {
58             echo "<td>$var</td>";
59         }
60         echo "</tr><br>";
61     }
62     echo '</table>';
63 }
64
65 else
66 {
67     echo "No books reserved";
68 }
69 ?>
70
71 <section>
72
73 <footer>
74 <h1>Site created by William &copy;: 2017</h1>
75 </footer>
76
77 </html>
```



J) Db.php

```

login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.css x
1 <!doctype html>
2 <!--The external php database page that all the php page needs access to are connected to-->
3 <html>
4 <?php
5     $database = mysqli_connect('localhost','root','','webdev_assignment');
6     if (!$database)
7     {
8         die("Connection failed: " . mysqli_connect_error());
9     }
10    ?>
11 </html>

```

K) Index.css

```

login.php x register.php x home.php x reserving2.php x reserved.php x db.php x index.css x
1 /******
2 This is the css page that styles all the php pages that is used by the user
3 *****/
4 /*This is the general css for all pages*/
5 html{
6     height:100%;
7     position: relative;}
8 body{
9     color: #F0F8FF;
10    font-size: 1.5em;
11    background-color:#00FFFF;
12    height:100%;
13    width: 100%;
14    margin: 0;
15    padding: 0;}
16
17 h3{color: red;}
18
19 header, footer{
20     background-color: #00FFFF;
21     text-align: center;
22     color: yellow;
23     float: center;}
24
25 section{background-color: lime;}
26
27 header ul{
28     list-style-type: none;
29     margin: 0;
30     padding: 0;
31     overflow: hidden; }
32
33 header ul li {float: right;}
34
35 header ul li a{
36     display: inline-block;
37     text-align: center;
38     padding: 1em 1em;
39
40
41     float: center;}
42
43 section{background-color: lime;}
44
45 header ul{
46     list-style-type: none;
47     margin: 0;
48     padding: 0;
49     overflow: hidden; }
50
51 header ul li {float: right;}
52
53 header ul li a{
54     display: inline-block;
55     text-align: center;
56     padding: 1em 1em;
57     text-decoration: none;}
58
59 header ul li a{
60     color: whitesmoke;
61     font-size: 1em;}
62
63 a:hover{background-color: #7FFFD4;}
64
65 /*This is for the forms*/
66 label{
67     color: hazel;
68     font-size: 2em;
69     font-weight: bold;}
70
71 .input{
72     width: 15%;
73     height: 2em;}
74
75 #center{text-align: center;}
76

```