



Cairo University,

Web Technology

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IS231

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Research Project

Web Technology

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Chapter 1: Introduction:

1.1 Description:

In this Website the User can do a lot of functions such as (sing up in our Website log in ,Log out, Update User Info , Send Mail for late Borrowing , and the admin can Add a new Book and can also update book info late , Search about Book Using it Id, And the user (student) can Browsing about Book , Borrowing it ,Return Book , extending Borrowing Date, and he can filter Search using(Author or Publication Year or its Parts).

1.2 Technologies used:

- 1) Html: The structures of the website.
- 2) JavaScript: Error Handling.
- 3) PHP: Session, Cookies, Databases, Mail Function.
- 4) MySql: Databases tables.
- 5) PHPMyAdmin: Create and manipulate database table.
- 6)Xampp: Local server.
- 7)Session
- 8)Cookies
- 9)Ajax: Our services.
- 10)CSS &CSS3: In format & Design.

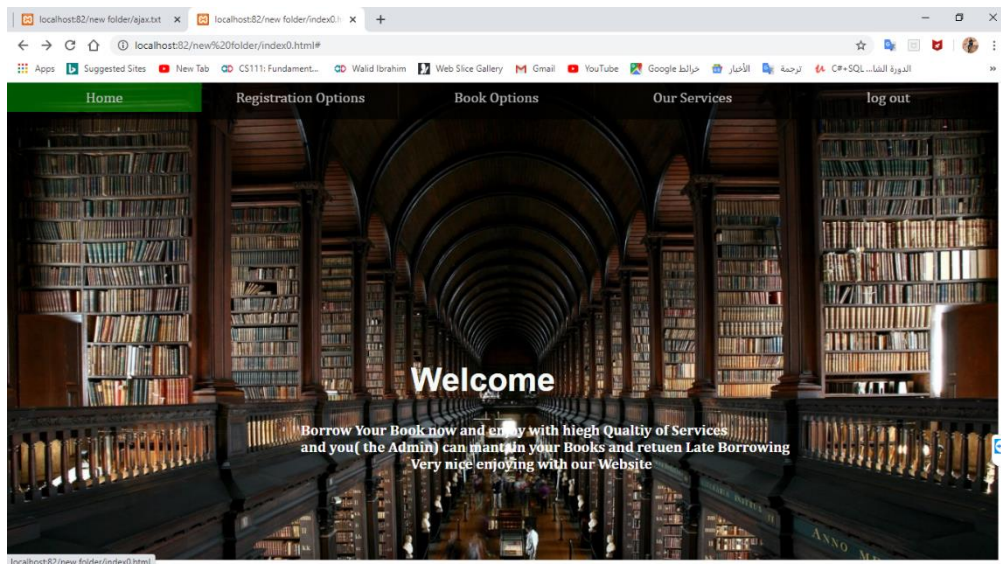
1.3 Team members Roles:

- * Abd el-rhman Mohamed: Php, MySQL, Mail, and Ajax.
- * Amir Ibrahim: HTML, CSS3, and CSS.
- * Tawfik Yasser: JavaScript, Session, and Cookies.

Chapter 2: Design/Implementation:

1) Home Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

<head>

    <link href="index1.css" rel="stylesheet">

</head>

<body>

    <div id="Ba" style=" background-image:url('Image.jpeg') ">

        <ul>

            <li>

                <a href="index0.html" target="_self">

                    Home

                </a>
```

```
</li>

<li>

  <a href="#" target="_self">

    Registration Options

  </a>

  <ul>

    <li>

      <a href="index2.php" target="_self">

        Sing Up

      </a>

    </li>

    <li>

      <a href="index3.php" target="_self">

        Log in

      </a>

    </li>

    <li>

      <a href="index4.php" target="_self">

        update

      </a>

    </li>

    <li>

      <a href="send_mail.php" target="_self">

        send mail

      </a>

    </li>

  </ul>

</li>

<li>
```

```
<a href="#" target="_self">
    Book Options
</a>
<ul>
    <li>
        <a href="index5.php" target="_self">
            Add Book
        </a>
    </li>
    <li>
        <a href="index6.php" target="_self">
            Updating Book
        </a>
    </li>
    <li>
        <a href="index8.php" target="_self">
            Browsing
        </a>
    </li>
    <li>
        <a href="index9.php" target="_self">
            Borrowing
        </a>
    </li>
    <li>
        <a href="index10.php" target="_self">
            Return Borrowing Book
        </a>
    </li>
```



```

        color:rgb(246, 250, 249);

        ">

        Welcome

    </h1>

    <p style="color:white;font-size:300;">

        Borrow Your Book now and enjoy with hiegh Qualtiy of Services

<br>

        and you( the Admin) can mantain your Books and retuen Late Bor
rowing

        <br>

        <span> Very nice enjoying with our Website </span>

    </div>

    <div id="about">

    </div>

    <script>

        function Say_Welcome() {

            alert("Welcome to you in Our Websites");

        }

        var req = new XMLHttpRequest();

        function get() {

            if (req.status === 200 && req.readyState === 4) {

                document.getElementById("about").innerHTML = '<h1 id="An2"
>About</h1>' +

                    '' +

                    '<p class="p1">for the next great business</p>';

                var len = req.responseText.length;

                var text = '';

                var index = 0;

```



```
        for (var i = 0; i < len; i++) {

            text += req.responseText[i];

            index++;

            if (index == 46) {

                text += "<br>";

                index = 0;

            }

        }

        document.getElementById("about").innerHTML += text;

        text += "</ol>";

    }

}

req.open('GET', 'ajax.txt', true);

req.send();

var len = req.length;

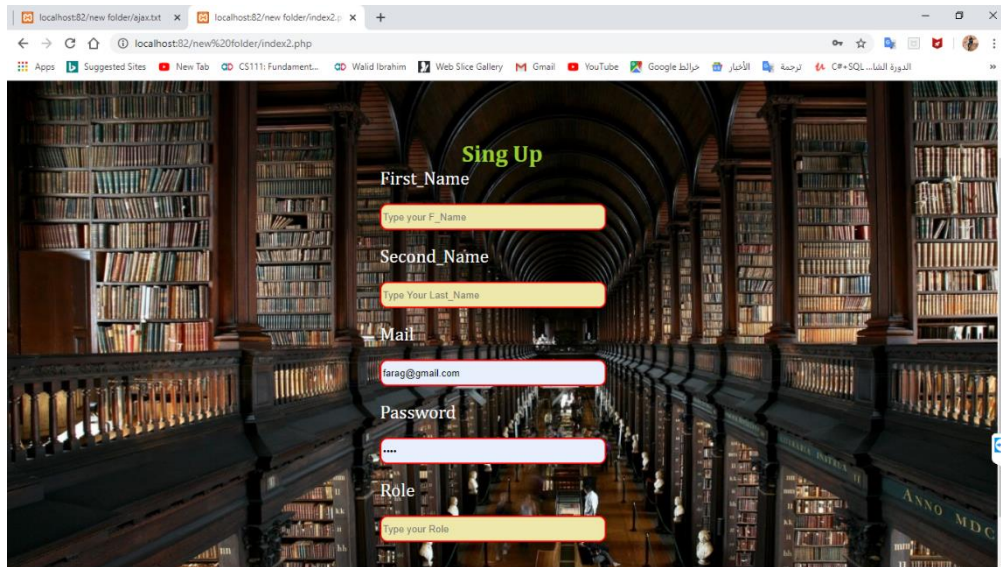
</script>

</body>

</html>
```

2) Signup Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

  <head>

    <link href="index.css" rel="stylesheet">

  </head>

  <body style="background-image: url('Image.JPEG')">

    <div method="POST" id="sin_In">

      <form id="Sin">

        <div>

          <h1 id="Header" style="color:yellowgreen">Sing Up</h1>

          <label for="Fname">First_Name</label> <br>

          <input type="text" id="Fname" name="Fname" placeholder="Type
your F_Name"><br>

          <label for="Sname">Second_Name</label><br>
```

```

        <input type="text" id="Lname" name="Lname" placeholder="Type
Your Last_Name"><br>

        <label for="Mail">Mail</label><br>

        <input type="text" id="Mail" name="Mail" placeholder="Type Yo
ur Mail"><br>

        <label for="Pass">Password</label><br>

        <input type="password" id="Pass" name="Pass" placeholder="Typ
e Your Password"><br>

        <label for="Role">

            Role

        </label><br>

        <input type="text" name="Role" placeholder="Type your Role"
>

        <br>

        <input name="Send" id="Send" Value="Submit" Type="submit">

    </div>

</form>

</div>

</body>

</html>

<?php

    if(isset($_GET['Send']))

    {

        $FName=$LName=$EMail=$Password=$Role='';

        if(isset($_GET['Fname']))

        {

            $F=$_GET['Fname'];

            if($F=='')

            {

                echo "the Fname must be empty";

```

```
        echo '<script language="javascript">';
        echo 'alert("you must Enter your Fname")';
        echo '</script>';
    }
    else
    {
        $FName=$_GET['Fname'];
    }
}
if(isset($_GET['Lname']))
{
    if($_GET['Lname']==='')
    {
        echo "the Fname must be empty";
        echo '<script language="javascript">';
        echo 'alert("you must Enter Your Lname ")';
        echo '</script>';
    }
    else
    {
        $LName=$_GET['Lname'];
    }
}
if(isset($_GET['Mail']))
{
    if (!filter_var($_GET['Mail'], FILTER_VALIDATE_EMAIL)) {
        echo '<script language="javascript">';
        echo 'alert("Invalid email format")';
        echo '</script>';
    }
}
```

```
    }

    else

    {

        $EMail=$_GET['Mail'];

    }

}

if(isset($_GET['Pass']))

{

    if(strlen($_GET['Pass'])<8)

    {

        echo '<script language="javascript">';

        echo 'alert("Password Must be greater than 8 character")';

        echo '</script>';

    }

    else

        $Password=$_GET['Pass'];

}

if(isset($_GET['Role']))

{

    if($_GET['Role']==='Admin' || $_GET['Role']==='admin' || $_GET['Role']==='Student'

    ||$_GET['Role']==='student')

    {

        $Role=$_GET['Role'];

    }

    else

    {

        echo '<script language="javascript">';

        echo 'alert("Invalid System Role")';

    }

}
```

```
        echo '</script>';

    }

}

$host='localhost';
$user='root';
$Pass='';
$db='project';
$conn=mysqli_connect($host,$user,$Pass,$db);
if($conn)
{
    echo "connected";
}
else
{
    echo "No";
}

$sql = mysqli_query($conn, 'SELECT * FROM user ');
while($row = mysqli_fetch_array($sql)) {
    $names[] = $row['Email'];
}

if (in_array($EMail, $names,true))
{
    echo '<script language="javascript">';

    echo 'alert("this is User is already exist you should log in to enter to the System")';

    echo '</script>';

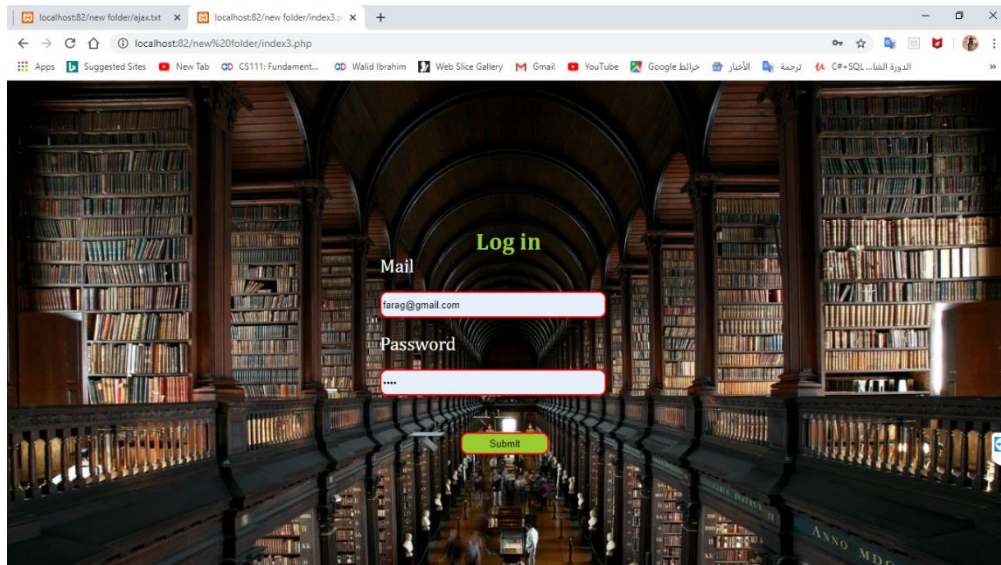
    sleep(4);

    header("Location: http://localhost:82/new%20folder/index3.php");
```

```
}  
  
else  
  
{  
  
    $insert="insert into user values('$FName','$LName','$EMail','$Password','$Role')";  
  
    session_start();  
  
    $_SESSION['Mail']=$EMail;  
  
    $_SESSION['Password']=$Password;  
  
    $_SESSION['Name']=$FName;  
  
    $_SESSION['Role']=$Role;  
  
    echo "User Role".$Role."<br>";  
  
    mysqli_query($conn,$insert);  
  
    $to_email = 'yousef777906@gmail.com';  
  
    $subject = 'Testing PHP Mail';  
  
    $message = 'This mail is sent using the PHP mail function';  
  
    $sub="mail from Abdelrhamn mohammed";  
  
    $msg="thanking for Registration in Abdel-rhman mohammed Website";  
  
    $src="yousef777906@gmail.com";  
  
    mail($to_email,$subject,$message);  
  
    header("Location: http://localhost:82/new%20folder/index0.html");  
  
}  
  
}  
  
?>
```

3) Login Page:

- Design:



- Code:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="Utf-8">
    <link href="index.css" rel="stylesheet">
    <style>

  </style>
</head>
<body style="background-image: url('Image.JPEG')">
  <div id="sin_In">
    <form id="Sin">
      <div>
```



```
        <h1 id="Header" style="color:yellowgreen">Log in</h1>

        <label for="Sname">Mail</label><br>

        <input type="text" id="Mail" name="Mail" placeholder="Type Your Mail"><br>

        <label for="Pass">Password</label><br>

        <input type="password" id="Pass" name="Pass" placeholder="Type Your Password"><br>

        <input name="Send" id="Send" Value="Submit" Type="submit">

    </div>

</form>

</div>

</body>

</html>

<?php
```

```
if(isset($_GET['Send']))
{
    $EMail=$Password='';

    if(isset($_GET['Mail']))
    {
        $EMail=$_GET['Mail'];
    }

    if(isset($_GET['Pass']))
    {
        $Password=$_GET['Pass'];
    }

    $host='localhost';

    $user='root';

    $Pass='';
```

```

$db='project';

$conn=mysqli_connect($host,$user,$Pass,$db);

if($conn)
{
    echo "connected";
}
else
{
    echo "No";
}

$sql = mysqli_query($conn, 'SELECT * FROM user ');
while($row = mysqli_fetch_array($sql)) {
    @$names[] = $row['Email'];
    @$Passwords[]=$row['Pass'];
}

session_start();

echo $_SESSION['Mail'];

echo $_SESSION['Password'];

echo $Password;

if ($EMail===$_SESSION['Mail'])
{
    if($Password===$_SESSION['Password'])
    {
        header("Location: http://localhost:82/new%20folder/index0.html");
    }
    else
    {
        echo '<script language="javascript">';
    }
}

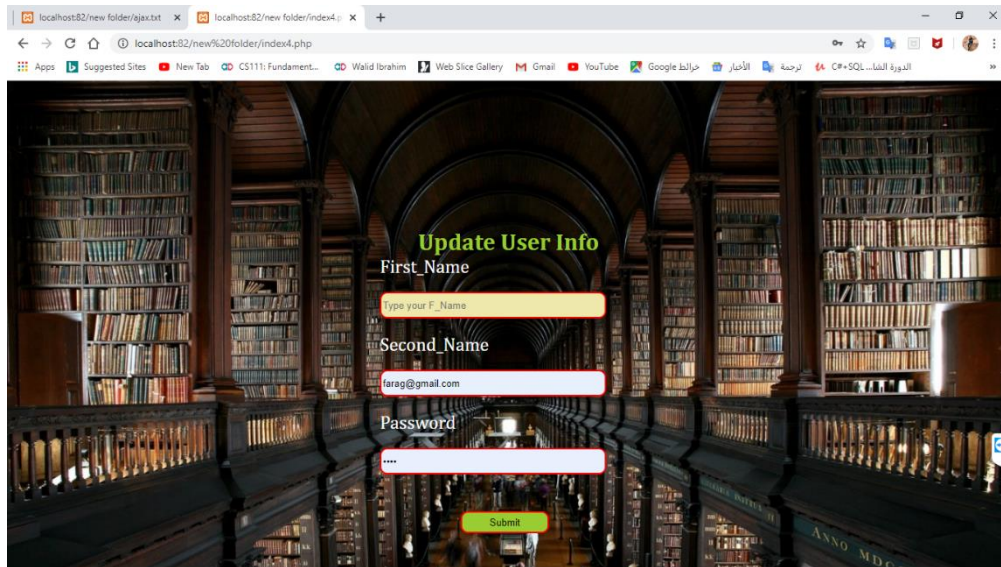
```

```
        echo 'alert("Invalid_authen")';
        echo '</script>';
    }
}
else
{
    //echo "the Fname must be empty";
    echo '<script language="javascript">';
    echo 'alert("this user dosent exist you should sign up first")';
    echo '</script>';
    //header("Location: http://localhost:82/new%20folder/index2.php");
}
}
```

?>

4) Update user info Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

    <head>

        <link href="index.css" rel="stylesheet">

    </head>

    <body style="background-image: url('Image.JPEG');>

        <div id="sin_In">

            <form id="Sin">

                <div>

                    <h1 id="Header" style="color:yellowgreen">Update User Info
</h1>

                    <label for="Fname">First_Name</label> <br>

                    <input type="text" id="Fname" name="Fname" placeholder="Type
your F_Name"><br>

                    <label for="Sname">Second_Name</label><br>
```

```

        <input type="text" id="Lname" name="Lname" placeholder="Type
Your Last_Name"><br>

        <label for="Pass">Password</label><br>

        <input type="password" id="Pass" name="Pass" placeholder="Type
e Your Last_Name"><br>

        <input name="Send" id="Send" Value="Submit" Type="submit">

    </div>

</form>

</div>

</body>

</html>
<?php
    if(isset($_GET['Send']))
    {
        $host='localhost';
        $user='root';
        $Pass='';
        $db='project';
        $conn=mysqli_connect($host,$user,$Pass,$db);
        $sql = mysqli_query($conn, 'SELECT * FROM user ');
        while($row = mysqli_fetch_array($sql)) {
            $names[] = $row['Email'];
        }
        session_start();
        $EMail=$_SESSION['Mail'];
        echo $EMail;
        if (!in_array($EMail, $names,true))
        {
            echo '<script language="javascript">';

```

```
        echo 'alert("this is User dosent exit ,you should Sing_UP in the S
system")';

        echo '</script>';

        header("Location: http://localhost:82/new%20folder/index2.php");
    }

    $FName=$LName=$Password='';

    if(isset($_GET['Fname']))
    {
        $F=$_GET['Fname'];

        if($F=='')
        {
            echo "the Fname must be empty";

            echo '<script language="javascript">';

            echo 'alert("you must Enter your Fname")';

            echo '</script>';

        }
        else
        {
            $FName=$_GET['Fname'];

        }
    }

    if(isset($_GET['Lname']))
    {
        $F=$_GET['Lname'];

        if($F=='')
        {
            echo "the Fname must be empty";

            echo '<script language="javascript">';

            echo 'alert("you must Enter your Lname")';
```

```
        echo '</script>';

    }

    else

    {

        $LName=$_GET['Lname'];

    }

}

if(isset($_GET['Pass']))

{

    if(strlen($_GET['Pass'])<8)

    {

        echo "the Fname must be empty";

        echo '<script language="javascript">';

        echo 'alert("Password Must be greater than 8 character")';

        echo '</script>';

    }

    else

        $Password=$_GET['Pass'];

}

if($conn)

{

    echo "connected";

}

else

{

    echo "No";

}

//

$Role=$_SESSION['Role'];
```

```
$sql = "UPDATE user SET Fname='$FName',Lname='$LName', Email='$EMail',
Pass='$Password',Role='$Role' WHERE Email='$EMail'";

//$insert="insert into user values('$FName','$LName','$EMail','$Passwo
rd')";

//$upd="update user set user.Fname='$FName' where user.Email='$_SESSIO
N['Mail']'";

//$upd="select * from user";

if($sql)
{
    echo "updated";
}
else
    echo "error";

echo $EMail;

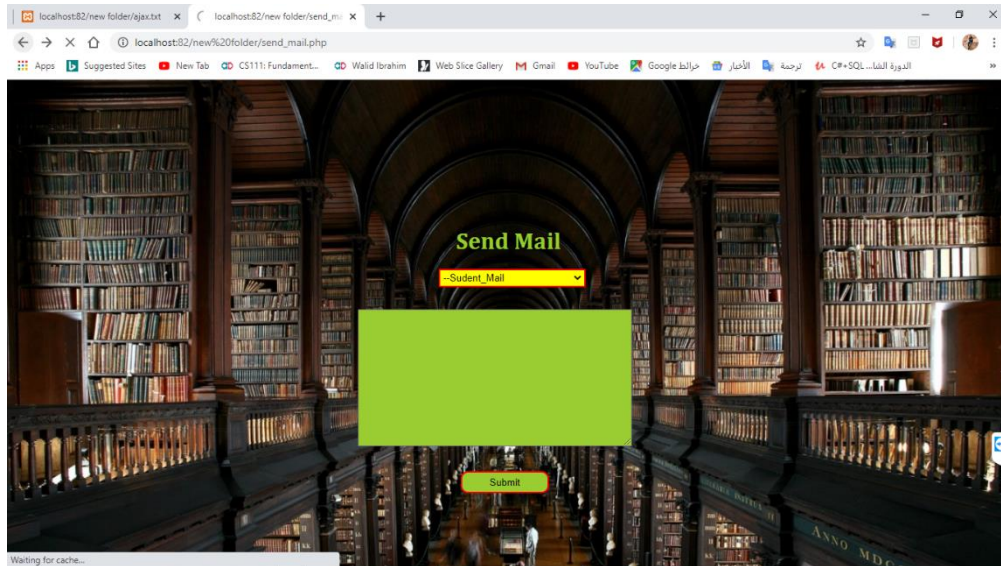
mysqli_query($conn,$sql);

header("Location: http://localhost:82/new%20folder/index0.html");
}

?>
```


5) Send a mail Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

  <head>

    <link href="index.css" rel="stylesheet">

  </head>

  <body style="background-image: url('Image.JPEG')">

    <div method="POST" id="sin_In">

      <form id="Sin">

        <div>

          <h1 id="Header" style="color:yellowgreen">Send Mail</h1>

          <select name='Mails' style="

            margin-left:580px;

            margin-top:20px;

            margin-bottoom:20px;
```

```
background-color:yellow;
```

```
width:200px;
```

```
height:25px;
```

```
border:2px red solid;
```

```
border-radius:5px;
```

```
">
```

```
<option> --Sudent_Mail
```

```
</option>
```

```
<?php
```

```
    $host='localhost';
```

```
    $user='root';
```

```
    $Pass='';
```

```
    $db='project';
```

```
    $conn=mysqli_connect($host,$user,$Pass,$db);
```

```
    if($conn)
```

```
    {
```

```
        echo "connected";
```

```
    }
```

```
    else
```

```
    {
```

```
        echo "No";
```

```
    }
```

```
    $sql = mysqli_query($conn, 'SELECT * FROM user ');
```

```
    while($row = mysqli_fetch_array($sql)) {
```

```
        $names[] = $row['Email'];
```

```
    }
```

```
    foreach($names as $Em)
```

```
    {
```

```

        ?>

        <option>

            <?php echo $Em; ?>

        </option>

    <?php } ?>

</select>

<br>

<textarea id="msg"name="msg"rows="12"cols="50"style="margin-left:470px;background-color:yellowgreen;

margin-top:30px">

</textarea>

<br>

<input name="Send" id="Send" Value="Submit" Type="submit">

</div>

</form>

</body>

</html>

<?php

    if(isset($_GET['Send']))

    {

        $to=$msg='';

        if(isset($_GET['Mails']))

        {

            $to=$_GET['Mails'];

        }

        if(isset($_GET['msg']))

        {

            if(strlen($_GET['msg'])==0)

```

```
{

    echo '<script language="javascript">';
    echo 'alert("the message is Empty")';
    echo '</script>';

}

else

    $msg=$_GET['msg'];

}

$sub="mail from Borrowing_Book Website";

//$msg="thanking for Registration in Abdel-rhman mohammed Website";
//$src="tawfekyassertawfek@gmail.com";

mail($to,$sub,$msg);

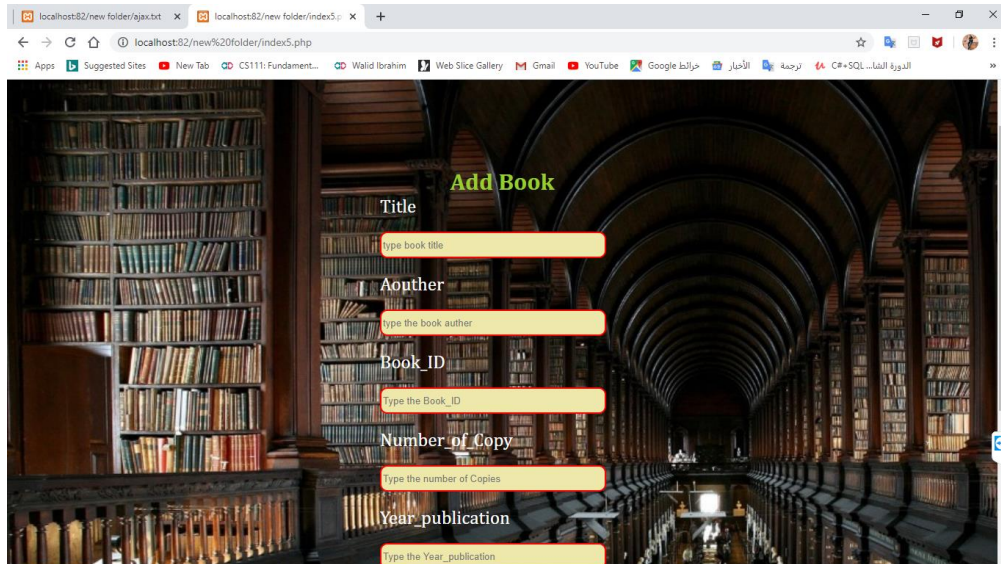
echo '<script language="javascript">';
echo 'alert("Mail Successfully Sending")';
echo '</script>';

}

?>
```

6) Add book Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

  <head>

    <link href="index.css" rel="stylesheet">

  </head>

  <body style="background-image: url('Image.JPEG')">

    <div method="POST" id="sin_In">

      <form id="Sin">

        <div>

          <h1 id="Header" style="color:yellowgreen">Add Book</h1>

          <label for="Title">Title</label> <br>

          <input type="text" id="Title" name="Title" placeholder="type
book title"><br>

          <label for="Aauther">Aauther</label><br>
```

```

        <input type="text" id="Aauther" name="Aauther" placeholder="Type the book author"><br>

        <label for="ID">Book_ID</label><br>

        <input type="text" id="ID" name="ID" placeholder="Type the Book_ID"><br>

        <label for="Copy">Number_of_Copy</label><br>

        <input type="text" id="Copy" name="Copy" placeholder="Type the number of Copies"><br>

        <label for="Year_publication">Year_publication</label><br>

        <input type="text" id="Year" name="Year" placeholder="Type the Year_publication">

        <br>

        <label for="Part">

            Number of Parts

        </label>

        <input type="text" id="Part" name="Part" placeholder="Type the number of Parts">

        <input name="Send" id="Send" Value="Submit" Type="submit">

    </div>

</form>

</body>

</html>

<?php

session_start();

echo $_SESSION['Role'];

if($_SESSION['Role'] === 'Admin' || $_SESSION['Role'] === 'admin')
{
    if(isset($_GET['Send']))
    {

```

```
$Title=$Aauther=$copy=$Part=$Id=$Publication='';  
  
if(isset($_GET['Title']))  
{  
    $F=$_GET['Title'];  
    if($F=='')  
    {  
        echo "the Name must be empty";  
        echo '<script language="javascript">';  
        echo 'alert("you must Enter your Fname")';  
        echo '</script>';  
    }  
    else  
    {  
        $Title=$_GET['Title'];  
    }  
    // $Title=$_GET['Title'];  
}  
  
if(isset($_GET['Aauther']))  
{  
    $F=$_GET['Aauther'];  
    if($F=='')  
    {  
        echo "the Name must be empty";  
        echo '<script language="javascript">';  
        echo 'alert("you must Enter your Fname")';  
        echo '</script>';  
    }  
    else  
    {
```

```
        $Aauther=$_GET['Aauther'];
    }

    //$Aauther=$_GET['Aauther'];
}

if(isset($_GET['ID']))
{
    $F=$_GET['ID'];
    if($F=='')
    {
        echo "the Name must be empty";
        echo '<script language="javascript">';
        echo 'alert("you must Enter your Fname")';
        echo '</script>';
    }
    else
    {
        $Id=$_GET['ID'];
    }
}

if(isset($_GET['Copy']))
{
    $copy=$_GET['Copy'];
}

if(isset($_GET['Year']))
{
    $Publication=$_GET['Year'];
}

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

```



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

    }

    $host='localhost';

    $user='root';

    $Pass='';

    $db='project';

    $conn=mysqli_connect($host,$user,$Pass,$db);

    if($conn)

    {

        echo "connected";

    }

    else

    {

        echo "No";

    }

    $insert="insert into Book values('$Title','$Aauther','$copy','$Id','$P
art','$Publication')";

    mysqli_query($conn,$insert);

    header("Location: http://localhost:82/new%20folder/index0.html");

}

else

{

    echo '<script language="javascript">';

    echo 'alert("this function is not athorized for You")';

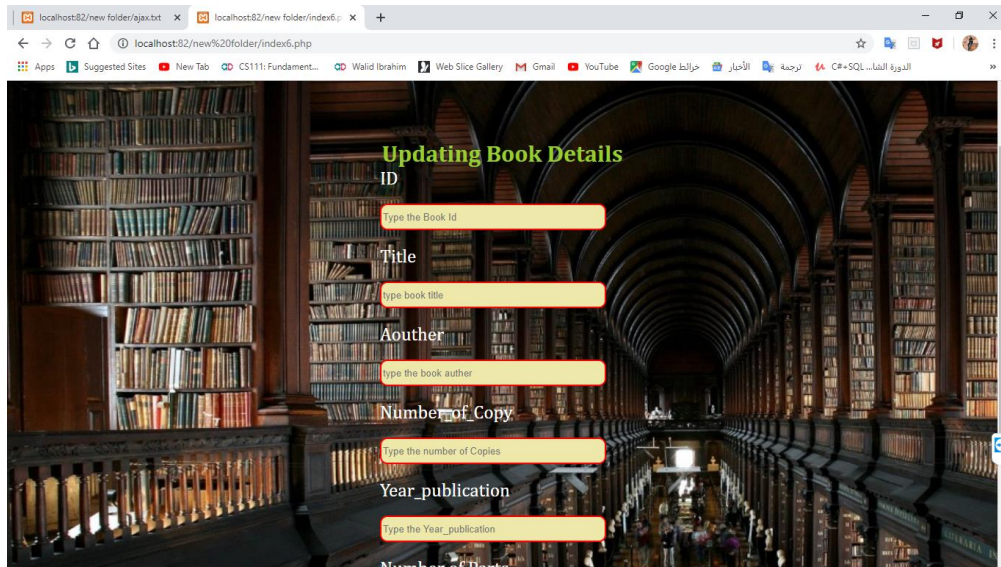
    echo '</script>';

}

?>
```

7) Update book info Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

    <head>

        <link href="index.css" rel="stylesheet">

    </head>

    <body style="background-image: url('Image.JPEG')">

        <div method="POST" id="sin_In">

            <form id="Sin">

                <div>

                    <h1 id="Header" style="color:yellowgreen">Updating Book Details</h1>

                    <label for="ID">ID</label> <br>

                    <input type="text" id="ID" name="ID" placeholder="Type the Book Id"><br>

                    <label for="Title">Title</label> <br>
```

```

        <input type="text" id="Title" name="Title" placeholder="type
book title"><br>

        <label for="Aauther">Aauther</label><br>

        <input type="text" id="Aauther" name="Aauther" placeholder="t
ype the book auther"><br>

        <label for="Copy">Number_of_Copy</label><br>

        <input type="text" id="Copy" name="Copy" placeholder="Type th
e number of Copies"><br>

        <label for="Year_publication">Year_publication</label><br>

        <input type="text" id="Year" name="Year" placeholder="Type th
e Year_publication">

        <br>

        <label for="Part">

                Number of Parts

        </label>

        <input type="text" id="Part" name="Part" placeholder="Type th
e number of Parts">

        <input name="Send" id="Send" Value="Submit" Type="submit">

    </div>

</form>

</div>

</body>

</html>

<?php
session_start();

if($_SESSION['Role'] === 'Admin' || $_SESSION['Role'] === 'admin')
{
    if(isset($_GET['Send']))
    {
        $ID='';

        if(isset($_GET['ID']))

```

```
{  
    $ID=$_GET['ID'];  
}  
  
//echo $ID;  
  
$host='localhost';  
$user='root';  
$Pass='';  
$db='project';  
$conn=mysqli_connect($host,$user,$Pass,$db);  
if($conn)  
{  
    echo "connected";  
}  
else  
{  
    echo "No";  
}  
  
$sql = mysqli_query($conn, 'SELECT * FROM Book ');  
while($row = mysqli_fetch_array($sql)) {  
    $names[] = $row['ID'];  
}  
  
if (in_array($ID, $names,true))  
{  
  
    echo "this is ID exit please enter the new info";  
}  
else  
{  
    echo "the Fname must be empty";  
}
```

```
        echo '<script language="javascript">';

        echo 'alert("invalid Book ID")';

        echo '</script>';

    }

    $Title=$Aauther=$copy=$Part=$Id=$Publication='';

    if(isset($_GET['Title']))

    {

        $Title=$_GET['Title'];

    }

    if(isset($_GET['Aauther']))

    {

        $Aauther=$_GET['Aauther'];

    }

    if(isset($_GET['Copy']))

    {

        $copy=$_GET['Copy'];

    }

    if(isset($_GET['Year']))

    {

        $Publication=$_GET['Year'];

    }

    if(isset($_GET['Part']))

    {

        $Part=$_GET['Part'];

    }

    $sql = "UPDATE Book SET Title='$Title',Aauther='$Aauther',Copy='$copy',Parts='$Part',publication_year='$Publication' WHERE ID='$ID'";

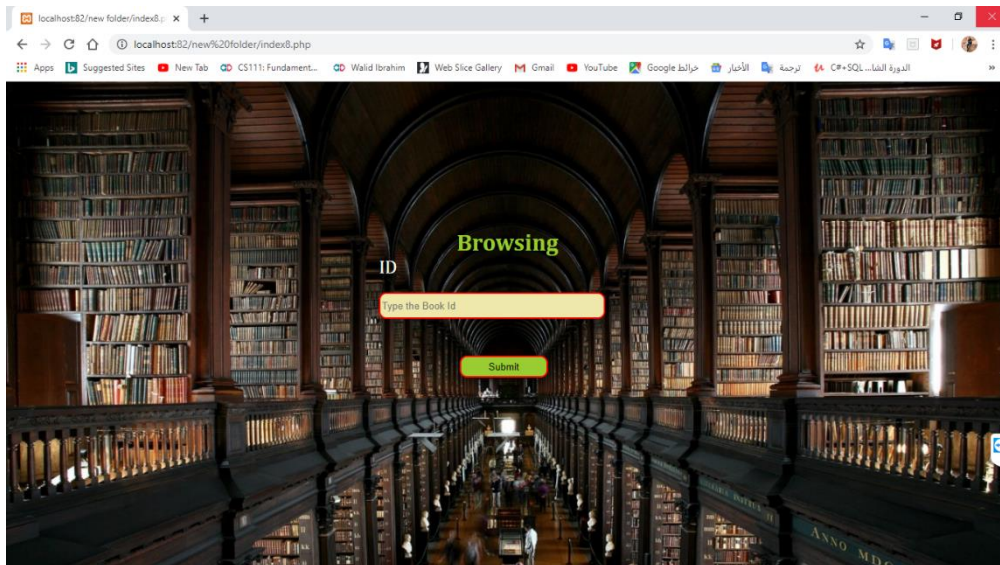
    mysqli_query($conn,$sql);

    if($sql)
```

```
{
    echo "Succefully updated";
}
else
{
    echo "An Arron were";
}
}
}
else
{
    echo '<script language="javascript">';
    echo 'alert("this function is not athorized for You")';
    echo '</script>';
}
//header("Location: http://localhost:82/new%20folder/index0.html");
    //print_r($names);
?>
```

8) Browsing books Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

  <head>

    <link href="index.css" rel="stylesheet">

  </head>

  <body style="background-image: url('Image.JPEG')">

    <div method="POST" id="sin_In">

      <form id="Sin">

        <div>

          <h1 id="Header" style="color:yellowgreen">Browsing</h1>

          <label for="ID">ID</label> <br>

          <input type="text" id="ID" name="ID" placeholder="Type the B
ook Id"><br>

          <input name="Send" id="Send" Value="Submit" Type="submit">
```

```

        </div>

    </form>

</div>

</body>

</html>

<?php
    if(isset($_GET['Send']))
    {
        $ID='';

        if(isset($_GET['ID']))
        {
            $ID=$_GET['ID'];
        }

        $host='localhost';
        $user='root';
        $Pass='';
        $db='project';

        $conn=mysqli_connect($host,$user,$Pass,$db);

        if($conn)
        {
            //echo "connected";
        }
        else
        {
            //echo "No";
        }

        $sql = mysqli_query($conn, 'SELECT * FROM Book ');

        while($row = mysqli_fetch_array($sql)) {

            $names[] = $row['ID'];

```



```

}

if (in_array($ID, $names,true))
{
    //echo "this is ID exit please enter the new info";

    $sql1="select * from book where ID='$ID'";
    $sqle_ex=mysqli_query($conn,$sql1);
    $Aou='';
    while($row1 = mysqli_fetch_array($sqle_ex)) {
        $Aou= $row1['Aauther'];
        $Tit= $row1['Title'];
        $co= $row1['Copy'];
        $Pa=$row1['Parts'];
        $Pub=$row1['publication_year'];
    }

    echo '<h3 style="margin-top:5px;color:white ;margin-left:480px;font-size:400">'. "Book_Aauther:----->". "    ".$Aou.'</h3>'. '<br>';

    echo '<h3 style="margin-top:10px;color:white ;margin-left:480px;font-size:400">'. "Book_Title:----->". "    ".$Tit.'</h3>'. '<br>';
    echo '<h3 style="margin-top:10px;color:white ;margin-left:480px;font-size:400">'. "Book_Copy_Number:----->". "    ".$co.'</h3>'. '<br>';

    echo '<h3 style="margin-top:10px;color:white ;margin-left:480px;font-size:400">'. "Book_Parts:----->". "    ".$Pa.'</h3>'. '<br>';
    echo '<h3 style="margin-top:10px;color:white ;margin-left:480px;font-size:400">'. "Book_Publication_year:----->". "    ".$Pub.'</h3>'. '<br>';

    }

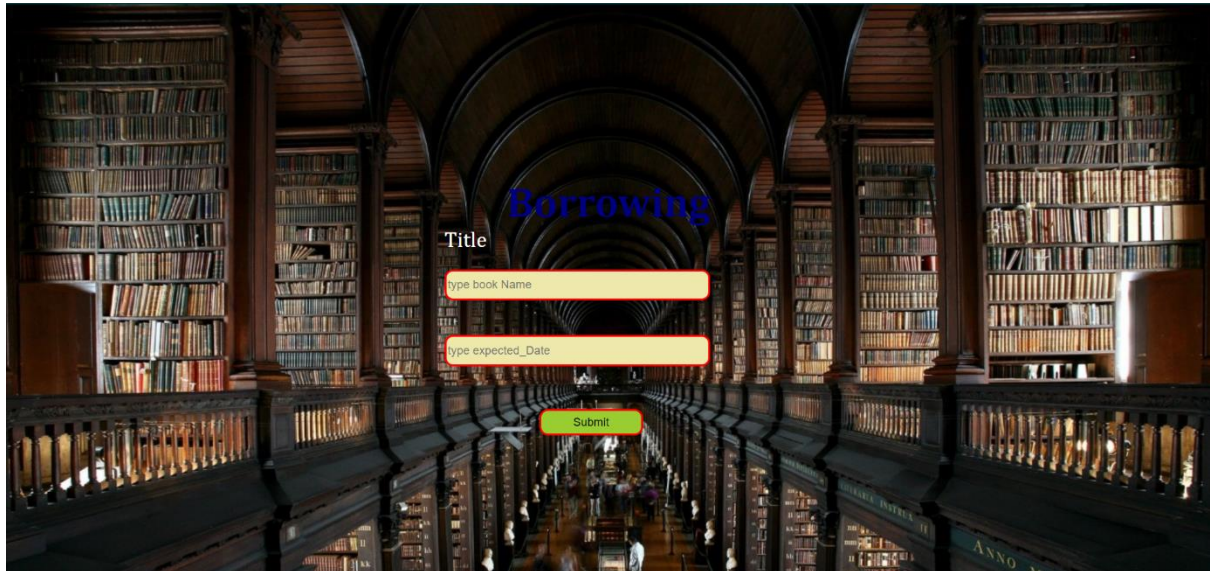
else
{

```

```
//echo "the Fname must be empty";  
echo '<script language="javascript">';  
echo 'alert("invalid Book ID")';  
echo '</script>';  
  
//echo "";  
  
}  
  
}  
  
//header("Location: http://localhost:82/new%20folder/index0.html");  
?>
```

9) Borrowing a book Page:

-Design:



-Code:

```
<!DOCTYPE html>

<html>

  <head>

    <link href="index.css" rel="stylesheet">

  </head>

  <body style="background-image: url('Image.JPEG')">

    <div method="POST" id="sin_In">

      <form id="Sin">

        <div>

          <h1 id="Header" style="yellowgreen">Borrowing</h1>

          <label for="Title">Title</label> <br>

          <input type="text" id="Title" name="Title" placeholder="type
book Name"><br>
```

```
        <input type="text" id="Date" name="Date" placeholder="type expected Date"><br>
        <input name="Send" id="Send" Value="Submit" Type="submit">
    </div>
</form>

</body>
</html>
<?php
    if(isset($_GET['Send']))
    {
        $Title=$Date='';
        if(isset($_GET['Title']))
        {
            $F=$_GET['Title'];
            if($F=='')
            {
                //echo "the Name must be empty";
                echo '<script language="javascript">';
                echo 'alert("you must Enter the Name")';
                echo '</script>';
            }
            else
            {
                $Title=$_GET['Title'];
            }
            // $Title=$_GET['Title'];
        }
        if(isset($_GET['Date']))
        {
```

```
session_start();

$_SESSION['Date']=$_GET['Date'];

//echo $_GET['Date'];

if (preg_match("/^[0-9]{4}-(0[1-9]|1[0-2])-(0[1-9]|1[1-2][0-9]|3[0-1])$/",$F)) {

    $Date=$_GET['Date'];

} else {

    echo '<script language="javascript">';

    echo 'alert("Wrong_Format")';

    echo '</script>';

}

}

$host='localhost';

$user='root';

$Pass='';

$db='project';

$conn=mysqli_connect($host,$user,$Pass,$db);

if($conn)

{

    echo "connected";

}

else

{

    echo "No";

}

$sql = mysqli_query($conn, 'SELECT * FROM Book ');

while($row = mysqli_fetch_array($sql)) {

    $names[] = $row['Title'];

}
```

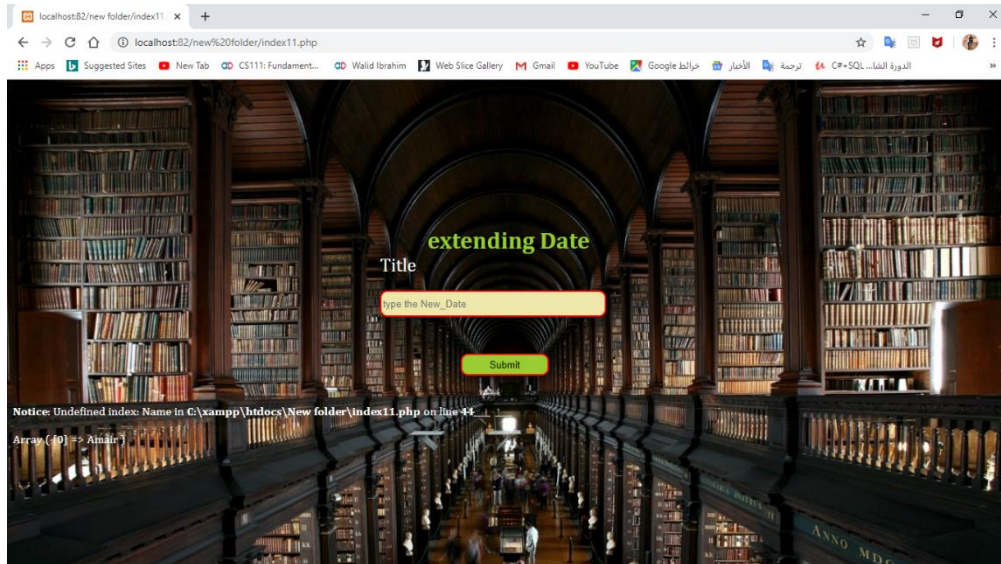
```
if (in_array($Title, $names,true))
{
    $Name= $_SESSION['Name'];
    $d=date('y/m/d');
    $insert="insert into borrowing values('$Name','$Title','$d')";
}
else
{
    echo '<script language="javascript">';
    echo 'alert("invalid Book Name")';
    echo '</script>';
}
mysqli_query($conn,$insert);
}

//header("Location: http://localhost:82/new%20folder/index0.html");
```

?>

10) Extending Date:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

    <head>

        <link href="index.css" rel="stylesheet">

    </head>

    <body style="background-image: url('Image.JPEG')">

        <div method="POST" id="sin_In">

            <form id="Sin">

                <div>

                    <h1 id="Header" style="color:yellowgreen">extending Date</h1>

                    <label for="Date">Title</label> <br>

                    <input type="text" id="Date" name="Date" placeholder="type the New_Date"><br>

                    <input name="Send" id="Send" Value="Submit" Type="submit">

                </div>

            </form>

        </div>

    </body>

</html>
```

```
</form>

</body>

</html>

<?php

    if(isset($_GET['Send']))

    {

        $Date='';

        if(isset($_GET['Date']))

        {

            if (preg_match("/^[0-9]{4}-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[0-1])$/",$_GET['Date'])) {

                $Date=$_GET['Date'];

            } else {

                echo '<script language="javascript">';

                echo 'alert("Wrong_Format")';

                echo '</script>';

            }

        }

    }

    $host='localhost';

    $user='root';

    $Pass='';

    $db='project';

    $conn=mysqli_connect($host,$user,$Pass,$db);

    $sql = mysqli_query($conn, 'SELECT * FROM borrowing ');

    while($row = mysqli_fetch_array($sql))

    {

        $names[]=$row['Name'];

    }

}
```



```
session_start();

$Name=$_SESSION['Name'];

echo $Name."<br>";

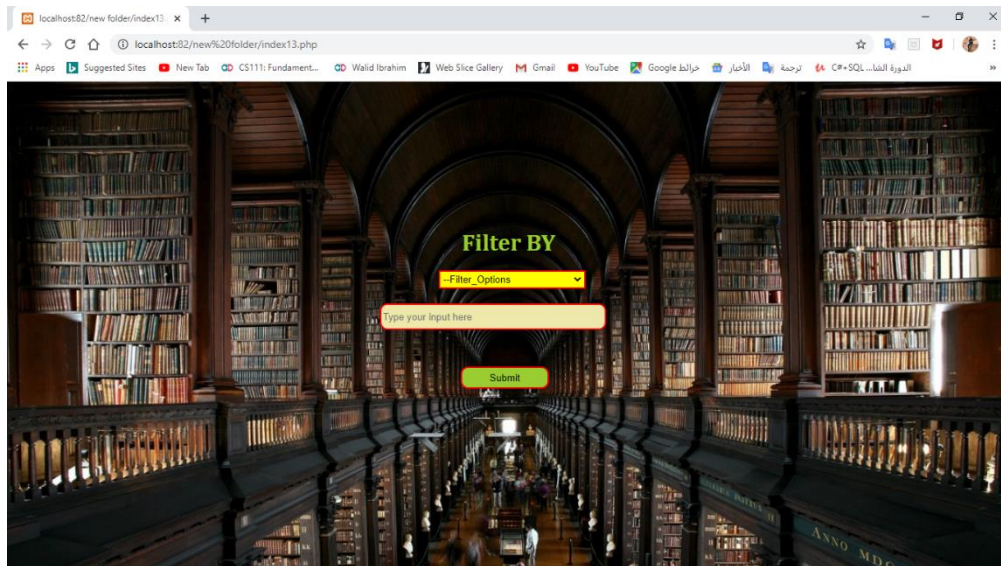
@print_r($names);

if (@in_array($Name, $names,true))
{
    @$insert="update borrowing set Ex_Date='$Date' where Name='$Name'";
    @mysqli_query($conn,$insert);
}
else
{
    echo '<script language="javascript">';
    echo 'alert("You not borrowing_any Book")';
    echo '</script>';
}

?>
```

11) Filter Page:

- Design:



- Code:

```
<!DOCTYPE html>

<html>

  <head>

    <link href="index.css" rel="stylesheet">

  </head>

  <body style="background-image: url('Image.JPEG')">

    <div method="POST" id="sin_In">

      <form id="Sin">

        <div>

          <h1 id="Header" style="color:yellowgreen">Filter BY</h1>

          <select name='options' style="

            margin-left:580px;

            margin-top:20px;

            margin-bottom:20px;

            background-color:yellow;
```

```

        width:200px;

        height:25px;

        border:2px red solid;

        border-radius:5px;">

        <option> --Filter_Options

    </option>

    <option value="Aauther">

        Aauther

    </option>

    <option value="Publication_Year">

        Publication_Year

    </option>

    <option value="Parts">

        Parts

    </option>

</select>

<br>

<input type="text" name="input"placeholder="Type your input here">

<br>

<input name="Send" id="Send"Value="Submit"Type="submit">

</div>

</form>

</body>

</html>

<?php

    if(isset($_GET['Send']))

    {

        $option=$input='';

```

```
if(isset($_GET['options']))
{
    $option=$_GET['options'];
}

if(isset($_GET['input']))
{
    $input=$_GET['input'];
}

$host='localhost';
$user='root';
$Pass='';
$db='project';
$conn=mysqli_connect($host,$user,$Pass,$db);
if($conn)
{
    echo "connected";
}
else
{
    echo "No";
}

if($option==='Aauther')
{
    $sql = mysqli_query($conn, "SELECT * FROM Book where Aauther='$input' ");

    while($row = mysqli_fetch_array($sql)) {
        $names[] = $row['Title'];
    }

    foreach(@$names as $Aou)
```

```

        {
            echo '<h3 style="margin-top:5px;color:white ;margin-
left:480px;

            font-size:400">'. "Book_Aouthter:-----
>". "    ".$Aou.'</h3>'. '<br>';
        }

        mysqli_query.close();

    }

    if($option=='Publication_Year')
    {
        echo $input;

        $sql = mysqli_query($conn, "SELECT * FROM Book where publication_y
ear='$input' ");

        while($row = mysqli_fetch_array($sql)) {

            $names[] = $row['Title'];

        }

        foreach(@$names as $Year)

        {

            echo '<h3 style="margin-top:5px;color:white ;margin-
left:480px;

            font-size:400">'. "Book_Aouthter:-----
>". "    ".$Year.'</h3>'. '<br>';

        }

    }

    if($option==='Parts')

    {

        $sql = mysqli_query($conn, "SELECT * FROM Book where Parts='$input
' ");

        while(@$row = mysqli_fetch_array($sql)) {

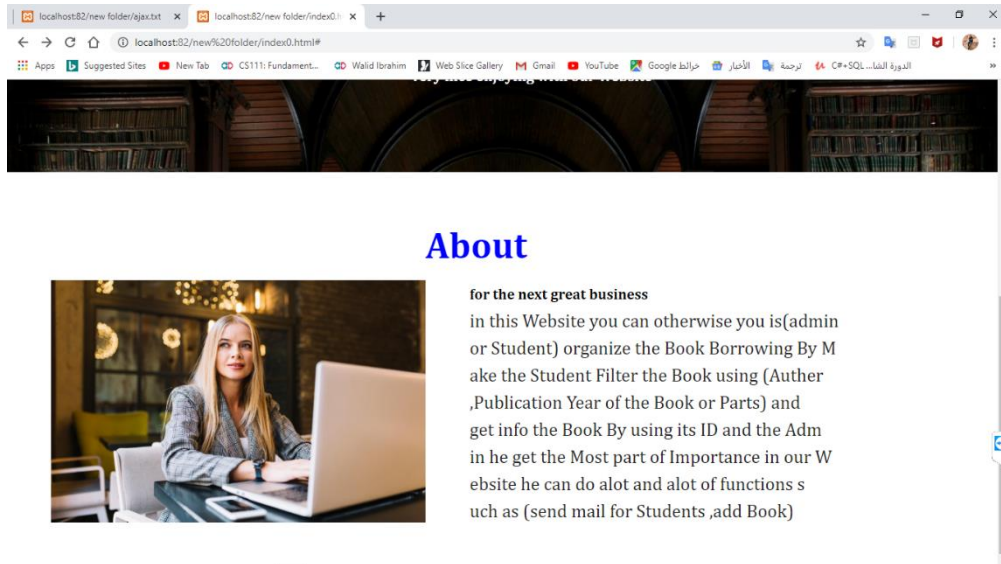
            @$names[] = $row['Title'];

```

```
    }  
    foreach($names as $Par)  
    {  
        echo '<h3 style="margin-top:5px;color:white ;margin-  
left:480px;  
        font-size:400">'. "Book_Aauther:-----  
>". "    ".$Par.'</h3>'. '<br>';  
    }  
}  
else  
{  
    echo '<script language="javascript">';  
    echo 'alert("Empty Selection Field")';  
    echo '</script>';  
}  
}  
?>
```

12) Our services Page:

- Design:



- Code:

```
var req = new XMLHttpRequest();

function get() {

    if (req.status === 200 && req.readyState === 4) {

        document.getElementById("about").innerHTML = '<h1 id="An2"
>About</h1>' +

            '' +

            '<p class="p1">for the next great business</p>';

        var len = req.responseText.length;

        var text = '';

        var index = 0;

        for (var i = 0; i < len; i++) {

            text += req.responseText[i];

            index++;

        }

    }

}
```

```
        if (index == 46) {

            text += "<br>";

            index = 0;

        }

    }

    document.getElementById("about").innerHTML += text;

    text += "</ol>";

}

}

req.open('GET', 'ajax.txt', true);

req.send();

var len = req.length;

</script>
```


13) Logout Page:

Code:

```
<?php
$host='localhost';
$user='root';
$Pass='';
$db='project';
$conn=mysqli_connect($host,$user,$Pass,$db);
if($conn)
{
    echo "connected";
}
else
{
    echo "No";
}
session_start();
$mail=$_SESSION['Mail'];
$delet="delete from user where Email='$mail'";
$_SESSION['Mail']='';
$_SESSION['Password']='';
$_SESSION['Name']='';
$_SESSION['Role']='';
if($delet)
{
    echo $_SESSION['Mail'];
    echo "right deleting";
}
else
```

```
{  
  
    echo "error in deleting";  
}  
mysqli_query($conn,$delet);  
?>
```

14) Return a book Page:

Code:

```
<?php  
$host='localhost';  
$user='root';  
$Pass='';  
$db='project';  
$conn=mysqli_connect($host,$user,$Pass,$db);  
if($conn)  
{  
    echo "connected";  
}  
else  
{  
    echo "No";  
}  
$sql = mysqli_query($conn, 'SELECT * FROM borrowing ');  
while($row = mysqli_fetch_array($sql))  
{  
    echo "Hello";  
    $names[]=$row['Name'];  
}
```

```
session_start();

$Name=$_SESSION['Name'];

echo $Name."<br>";

@print_r($names);

if (@in_array($Name, $names,true))
{
    echo "yes";

    @$insert="Delete From borrowing where Name='$Name'";

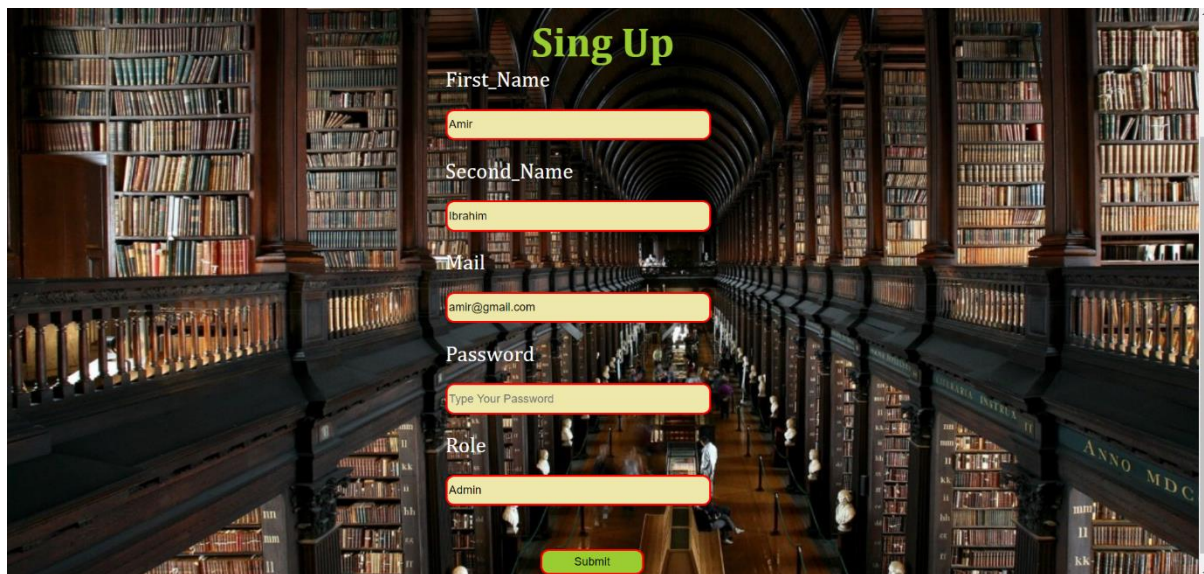
    @mysqli_query($conn,$insert);
}
else
{
    echo '<script language="javascript">';
    echo 'alert("You not borrowing_any Book")';
    echo '</script>';
}

//header("Location: http://localhost:82/new%20folder/index0.html");

?>
```

Chapter 3: Project Output:

1) Sign up



Sing Up

First_Name
Amir

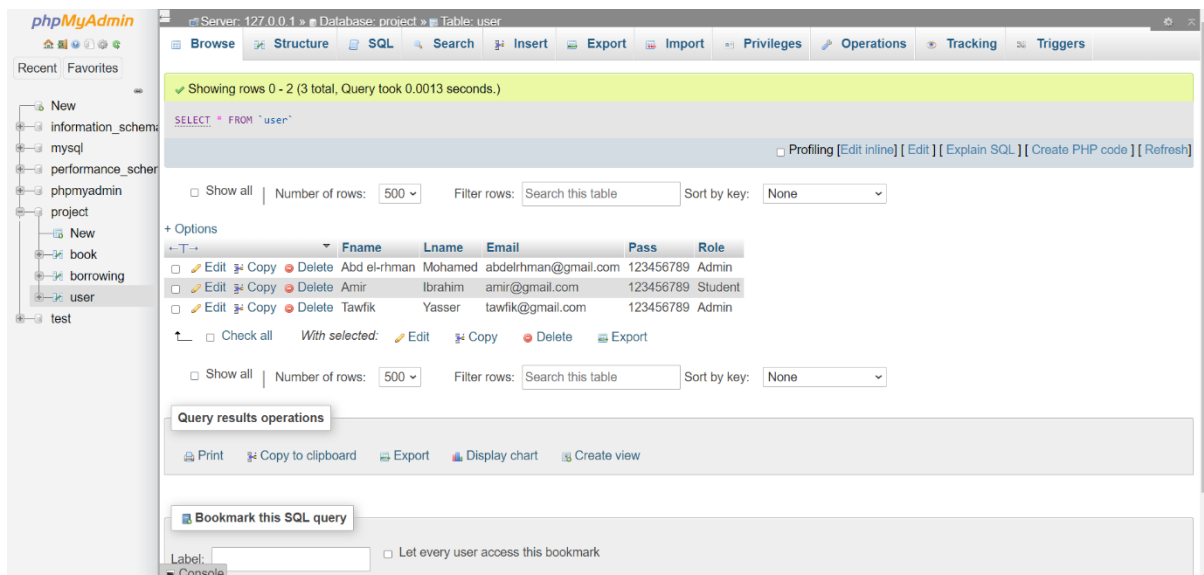
Second_Name
Ibrahim

Mail
amir@gmail.com

Password
Type Your Password

Role
Admin

Submit



phpMyAdmin Server: 127.0.0.1 Database: project Table: user

Showing rows 0 - 2 (3 total, Query took 0.0013 seconds.)

SELECT * FROM `user`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 500 | Filter rows: Search this table | Sort by key: None

+ Options

	Fname	Lname	Email	Pass	Role
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Abd el-rhman	Mohamed	abdelrhman@gmail.com	123456789	Admin
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Amir	Ibrahim	amir@gmail.com	123456789	Student
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Tawfik	Yasser	tawfik@gmail.com	123456789	Admin

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Show all | Number of rows: 500 | Filter rows: Search this table | Sort by key: None

Query results operations

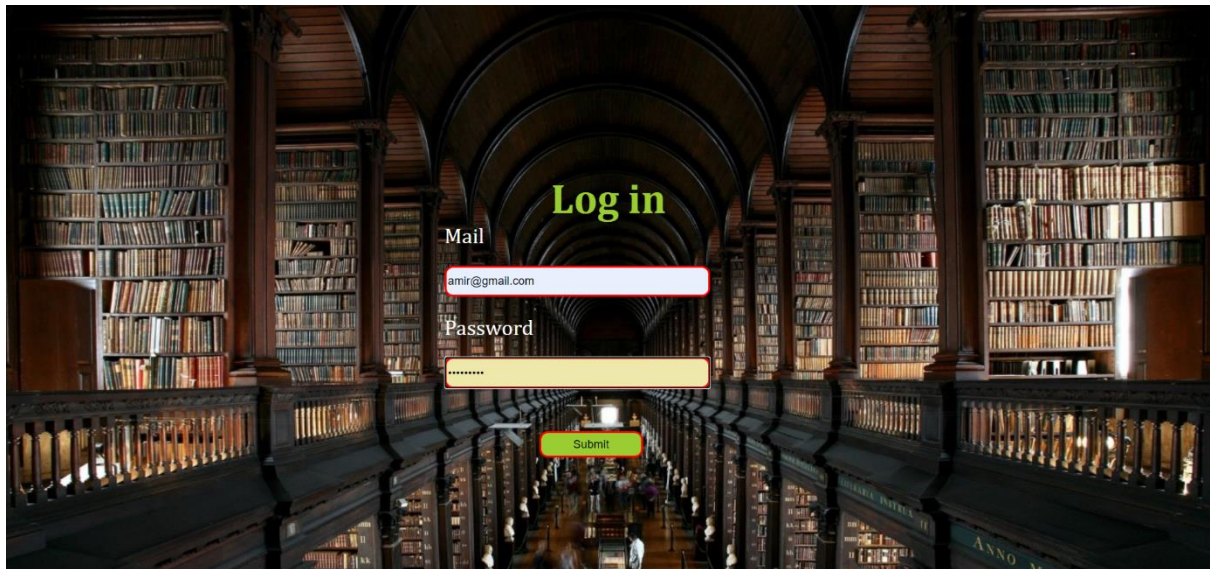
Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Console

2) Login:



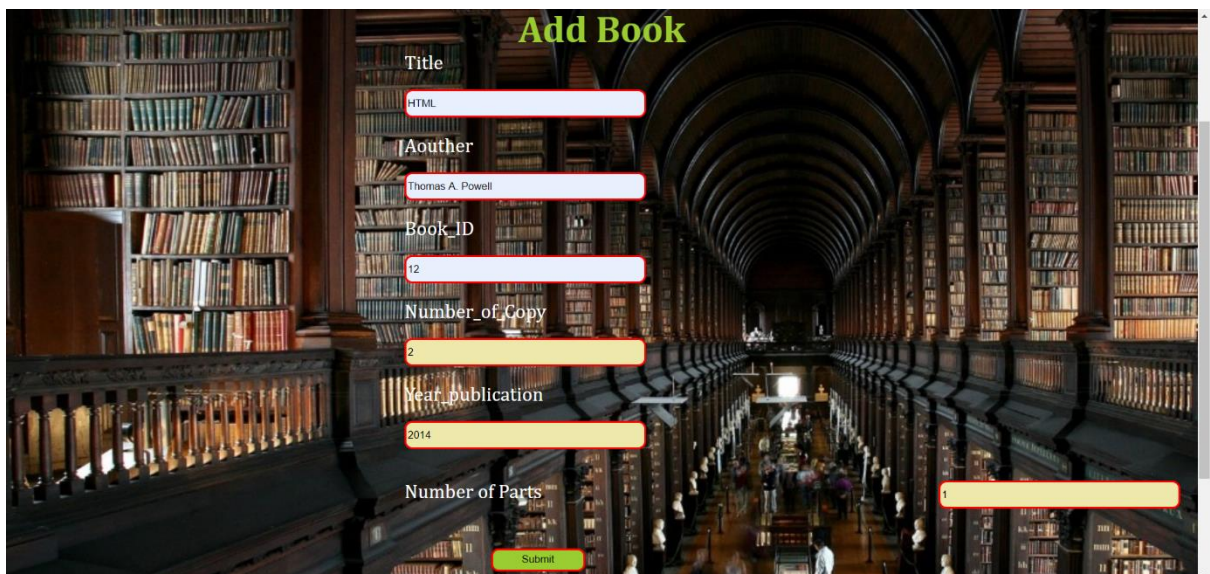
The login form is centered on a background image of a grand library with high ceilings and rows of bookshelves. The form includes a title, two input fields for email and password, and a submit button.

Log in

Mail

Password

3) Add book:



The 'Add Book' form is centered on the same library background. It contains a title and seven input fields for book details, followed by a submit button.

Add Book

Title

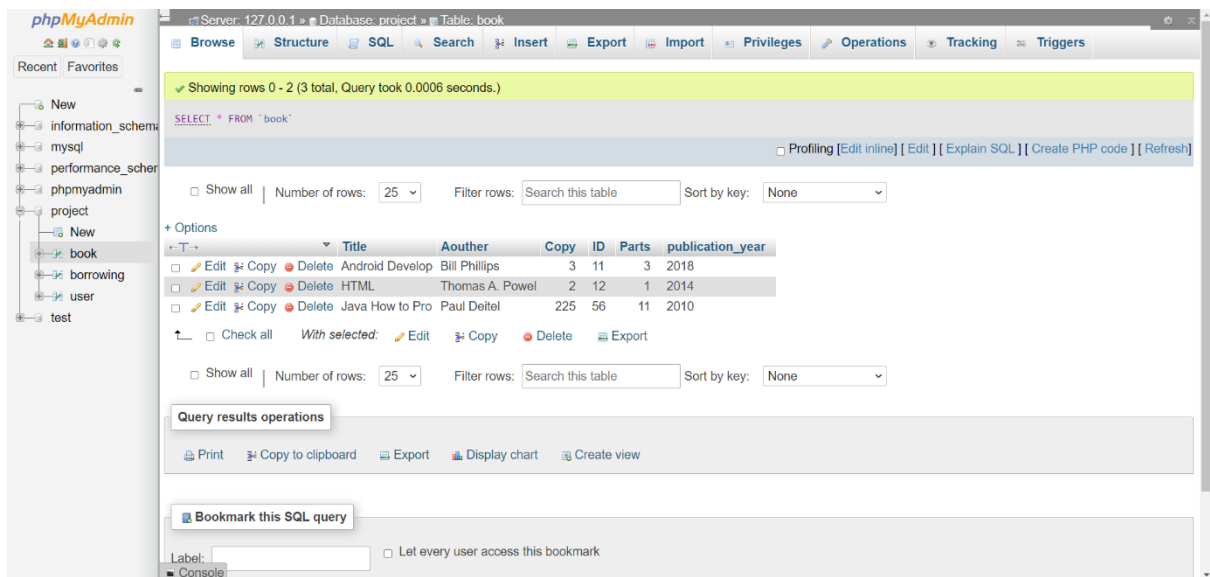
Author

Book_ID

Number_of_Copy

Year publication

Number of Parts



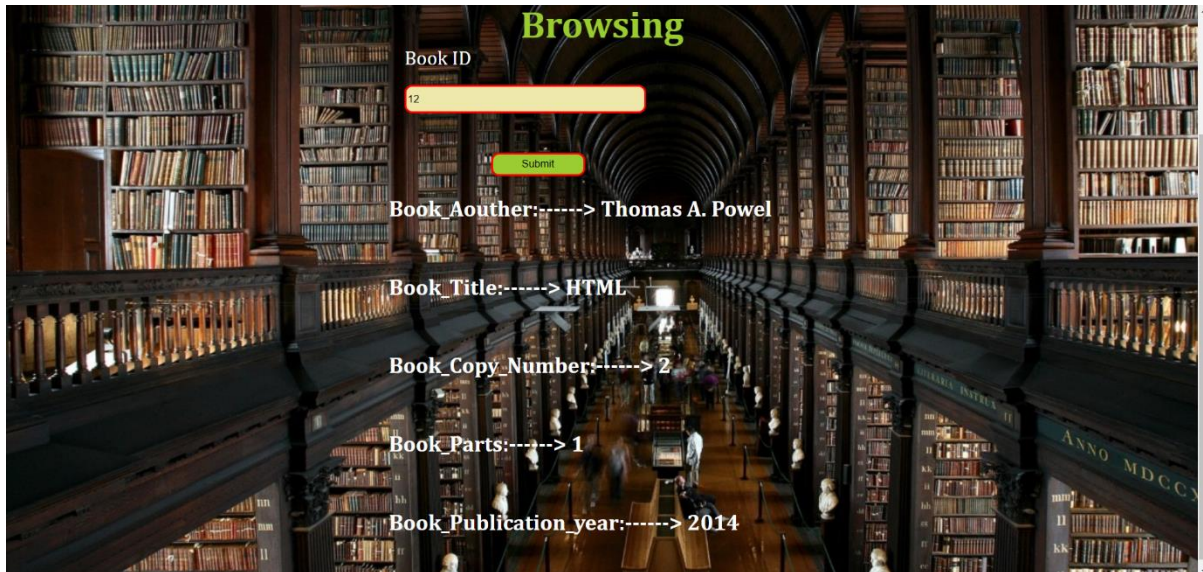
4) Update book:

The form is titled "Updating Book Details" and is overlaid on a background image of a library. The form fields are as follows:

- ID: 11
- Title: Android Development
- Aauthor: Bill Phillips
- Number of Copy: 225
- Year publication: 2019
- Number of Parts: 3

A "Submit" button is located at the bottom of the form.

5) Browsing:



Browsing

Book ID
12

Submit

Book_Aouthter:-----> Thomas A. Powel

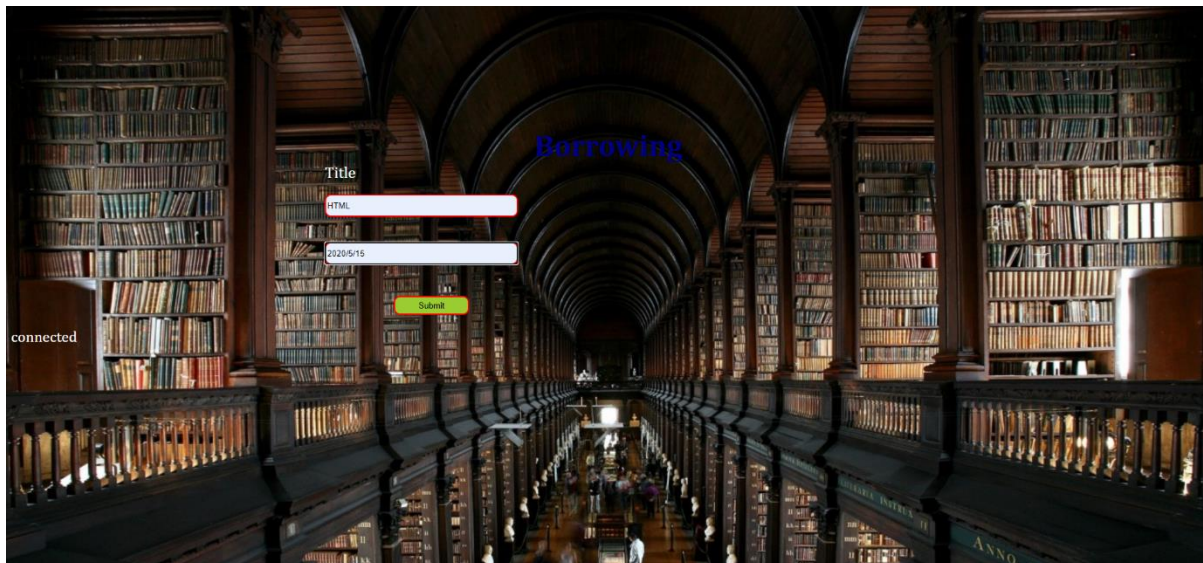
Book_Title:-----> HTML

Book_Copy_Number:-----> 2

Book_Parts:-----> 1

Book_Publication_year:-----> 2014

6) Borrowing:



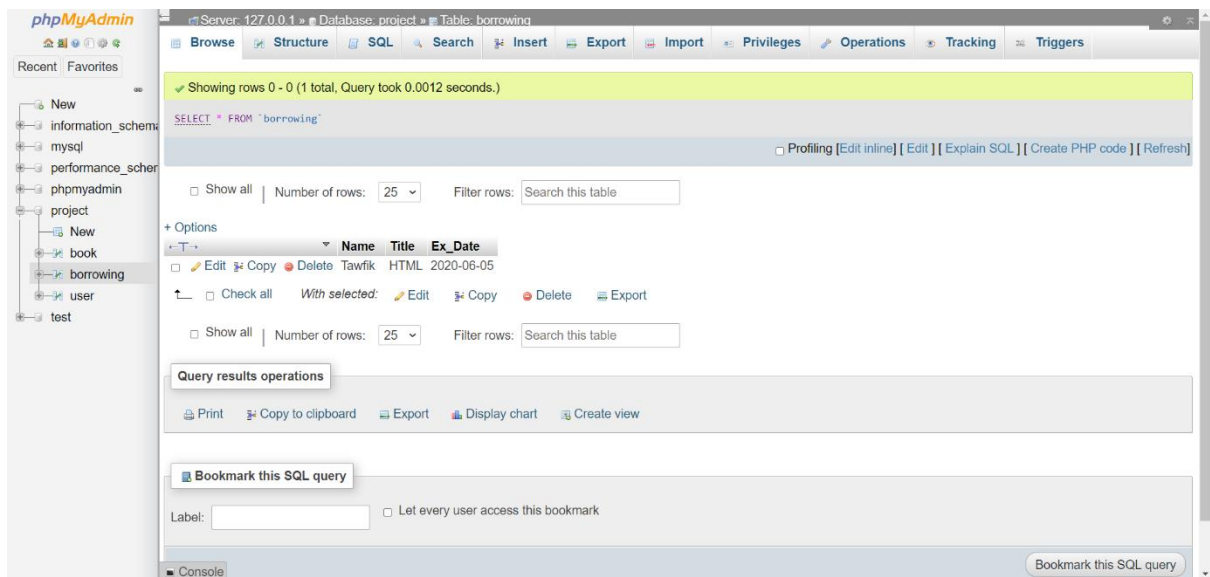
Borrowing

Title
HTML

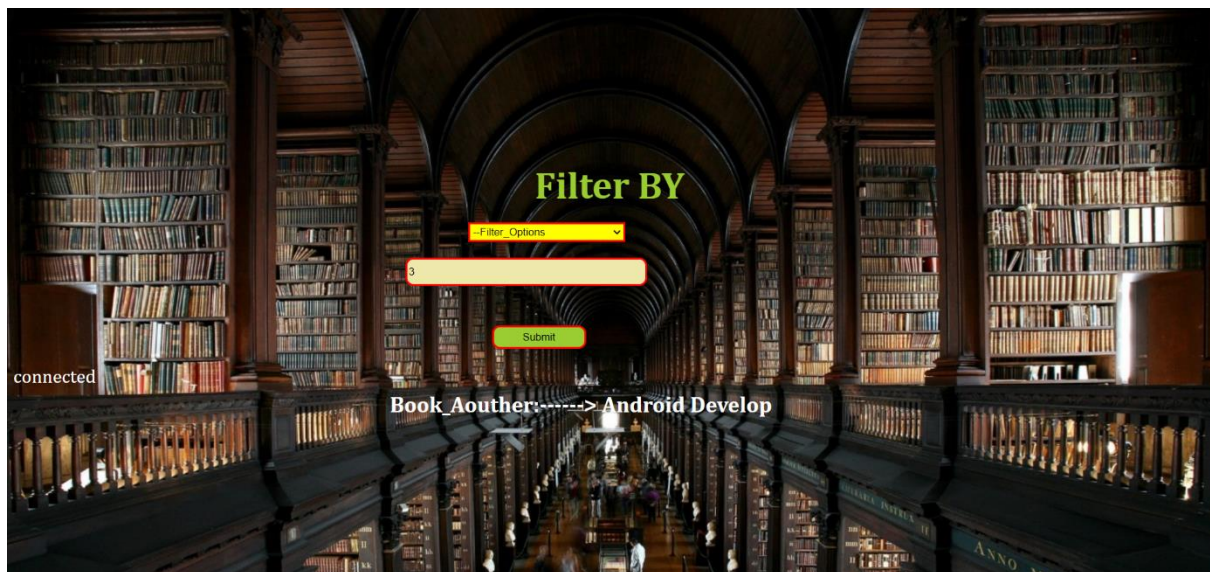
2020/5/15

Submit

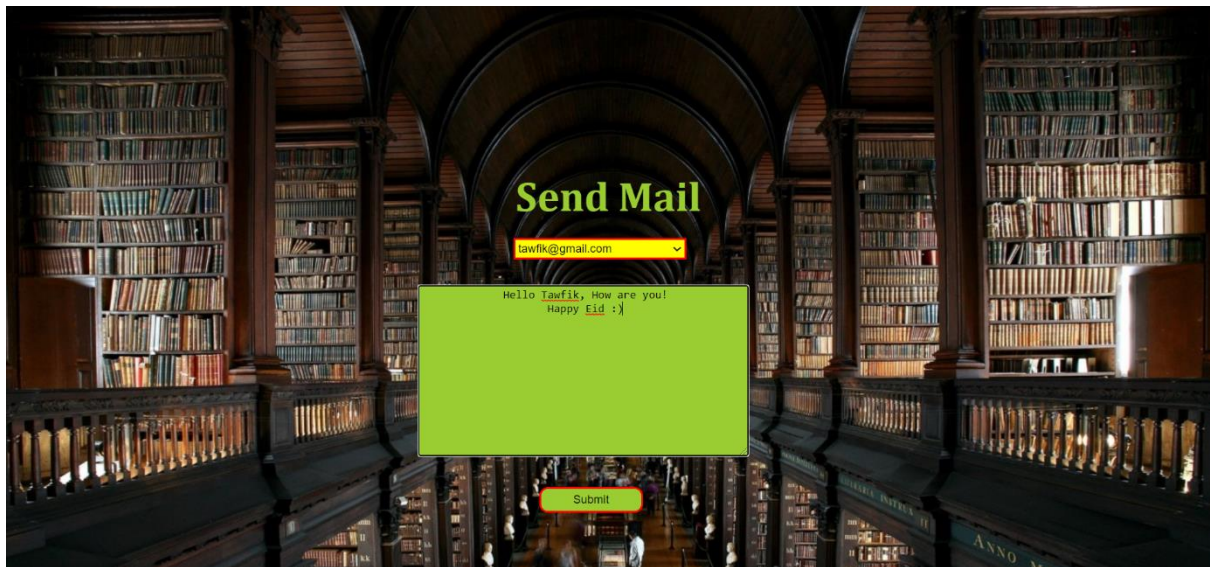
connected



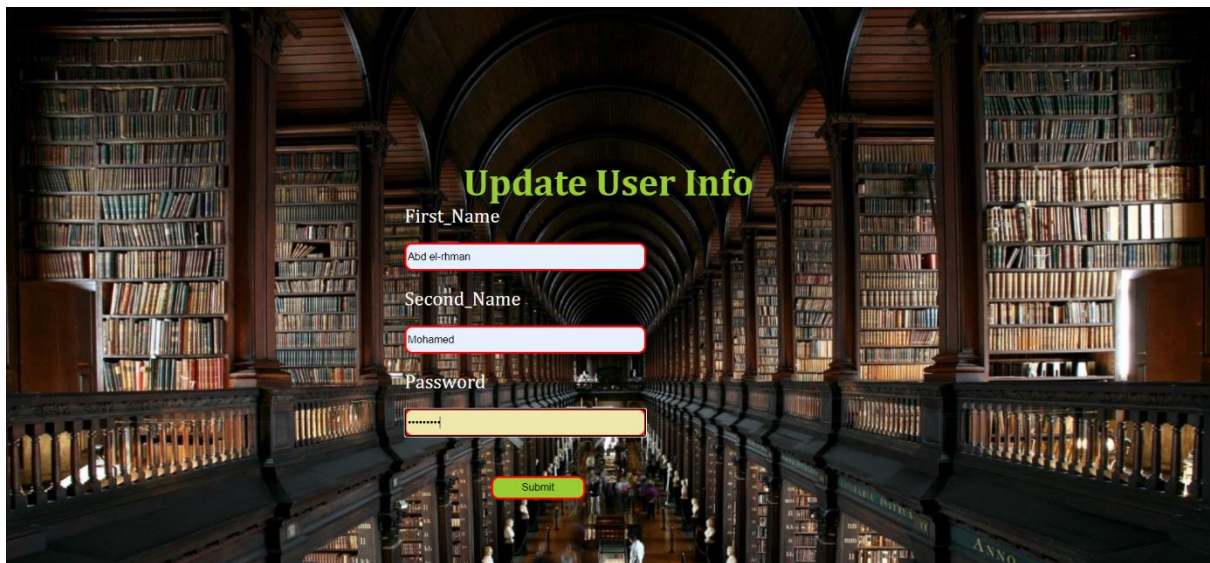
7) Filter



8) Send Mail:



9) Update user info:



10) Extending Date:

