

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Summer 21-22**

**Project Title:** Renting-Borrowing Service

**Section:** D

|  |  |
| --- | --- |
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**Project Description:**

People occasionally want different items in day-to-day life to fulfill their temporary needs. These items can be a camera, cycle, book, or any kind of item. Since the need is temporal, a person decides to buy the item it will not be beneficial in long term. Thus it can be counted as waste. Therefore, what the person can do instead of buying, he/she can borrow from others who already own those items.

There are four types of user categories -

i. Admin ii. Customer Support iii.Owner iv. Borrower

Admin and Customer Support entities are very important to this system. They are responsible to maintain the platform properly.

Like any modern system, any user can create an account, sign in to the system, and use different functionalities. There is also the option to update your account information and password. Users can also have their unique username. The user interface is easy to navigate.

**Some Features:**

Request- This is one of the features which gives the user(Borrower) the ability to put a request for a product that he/she will need on a temporary basis. Then another user(owner) who saw the request can accept it in exchange for rent.

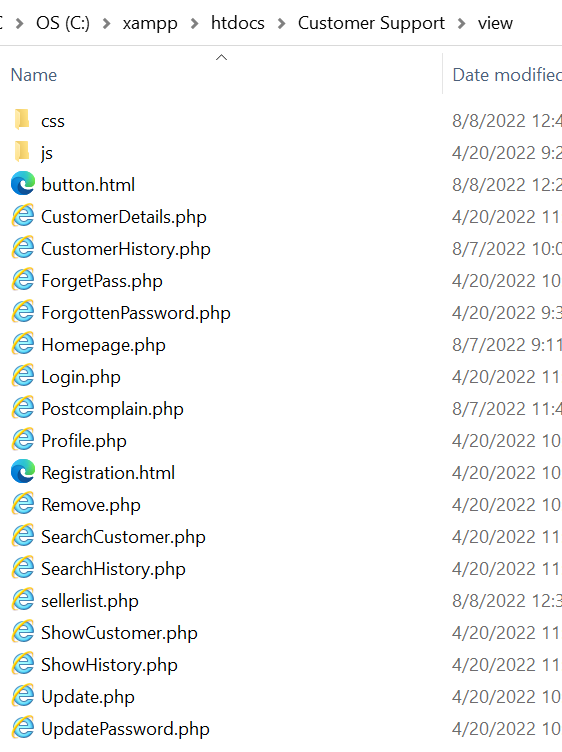
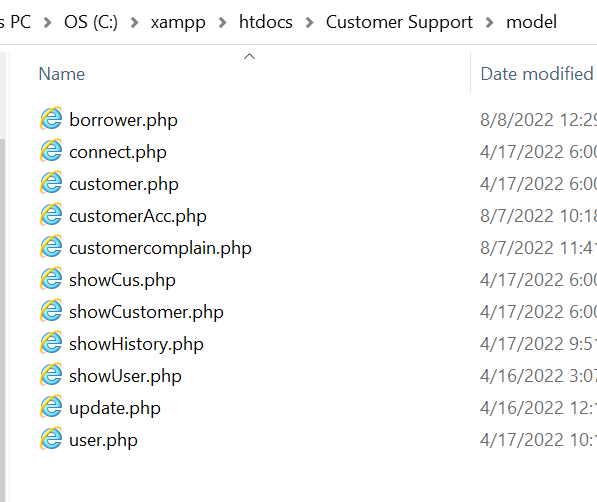
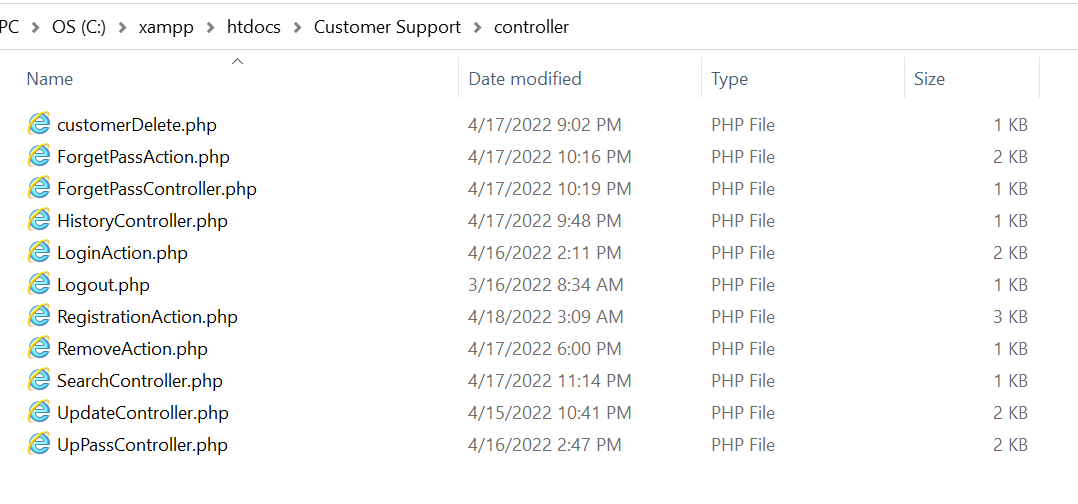
File Complaint- If any user is dissatisfied with the service can complain to the admin directly. Thus the users will not face those problems in the future. This kind of community feature also helps the platform too.

**Project Folder Structure:**

Borrower-

|  |  |
| --- | --- |
| Graphical user interface, text  Description automatically generated with medium confidence | Graphical user interface, application  Description automatically generated |

Customer Support-



**Core Modules of the Project:**

***SignUpCheck.php***

<?php

include ("../model/dbconnBorrower.php");

$fname=$lname=$uname=$pass=$cpass=$age=$gender=$mobileNo=$email="";

$dbfname=$dblname=$dbuname=$dbpass=$dbcpass=$dbage=$dbgender=$dbmobileNo=$dbemail="";

$fnameerr=$lnameerr=$unameerr=$passerr=$cpasserr=$ageerr=$gendererr=$mobileNoerr=$emailerr=$dataerr="";

$count=$count2=0;

session\_start();

if(isset($\_POST["SignUp"])){

//header("location: ../View/BorrowerHP.php");

$uname=$\_POST["uname"];

$data = file\_get\_contents("../Model/BorrowerList.json");

$mydata = json\_decode($data);

foreach($mydata as $myobject){

if($myobject->uname == $uname ){

$count2++;

}

}

$fname=$\_POST["fname"];

if(empty($fname)|| !preg\_match ("/^[a-zA-z]\*$/", $fname) || strlen($fname)<3){

$fnameerr= " Please enter a valid name!";

}

else{

$\_SESSION["fname"]=$fname;

$count++;

}

$lname=$\_POST["lname"];

if(empty($lname)|| !preg\_match ("/^[a-zA-z]\*$/", $lname) || strlen($lname)<3)

{

$lnameerr= " Please enter a valid name!";

}

else

{

$\_SESSION["lname"]=$lname;

$count++;

}

$uname=$\_POST["uname"];

if(empty($uname)|| strlen($uname)<3)

{

$unameerr= " Please enter an username!";

}

/\*else if(strlen($uname)!=3)

{

$unameerr=" Admin Id must be 5 Numbers";

}\*/

else if ($count2==1)

{

$unameerr =" Please enter a unique id!This is already exist!!";

}

else

{

$\_SESSION["uname"]=$uname;

$count++;

}

$pass=$\_POST["pass"];

$uppercase = preg\_match('@[A-Z]@', $pass);

$lowercase = preg\_match('@[a-z]@', $pass);

$number = preg\_match('@[0-9]@', $pass);

if(empty($pass) || !$uppercase || !$lowercase || !$number || strlen($pass) < 8 ){

$passerr= "Password should have at least 8 characters and include at least one upper case letter, one number, and one special character!";

}

else{

$count++;

}

$cpass=$\_POST["cpass"];

if($cpass != $pass || empty($cpass)){

$cpass="Passwords have not matched!";

$count++;

}

else{

$count++;

}

$age=$\_POST["age"];

if(empty("$age")){

$ageerr= " Please enter age!";

}

else{

$\_SESSION["age"]=$age;

$count++;

}

if(isset($\_POST["gender"])){

$\_SESSION["gender"]=$\_POST["gender"];

$count++;

}

else{

$gendererr=" Please select gender!";

}

$mobileNo=$\_POST["mobileNo"];

if(empty("$mobileNo")){

$mobileNoerr= " Please enter Mobile No!";

}

else if(strlen($mobileNo)!=11)

{

$mobileNoerr= " Please enter Valid Contact No!";

}

else

{

$\_SESSION["mobileNo"]=$mobileNo;

$count++;

}

$email=$\_POST["email"];

if(empty($email) || !preg\_match("/^([a-z0-9\+\_\-]+)(\.[a-z0-9\+\_\-]+)\*@([a-z0-9\-]+\.)+[a-z]{2,6}$/ix",$email))

{

$emailerr="Please enter a valid email!";

}

else

{

$count++;

$\_SESSION["email"]=$email;

}

if($count==9)

{

$formdata=array(

'firstname'=>$\_SESSION["fname"],

'lastname'=>$\_SESSION["lname"],

'uname'=>$uname,

'pass'=>$pass,

'age'=>$\_SESSION["age"],

'gender'=> $\_SESSION["gender"],

'mobileNo'=> $\_SESSION["mobileNo"],

'email'=>$\_SESSION["email"],

);

$dbuname = $uname;

$dbpass = $pass;

$dbfname = $\_SESSION["fname"];

$dblname = $\_SESSION["lname"];

$dbage = $\_SESSION["age"];

$dbgender = $\_SESSION["gender"];

$dbmobileNo = $\_SESSION["mobileNo"];

$dbemail = $\_SESSION["email"];

$mydb=new DB();

$conobj=$mydb->opencon();

$mydb->SignUp($dbuname,$dbpass,$dbfname,$dblname,$dbage,$dbgender,$dbmobileNo,$dbemail,"borrowerlist",$conobj);

$mydb->closecon($conobj);

$existingdata = file\_get\_contents('../Model/BorrowerList.json');

$tempJSONdata = json\_decode($existingdata);

$tempJSONdata[] =$formdata;

$jsondata = json\_encode($tempJSONdata, JSON\_PRETTY\_PRINT);

if(file\_put\_contents("../Model/BorrowerList.json", $jsondata))

{

$dataerr= "SignUp Successful!";

session\_destroy();

}

else

{

$dataerr= "SignUp unsucessfull!! Please try again!!";

}

}

}

?>

***dbconnBorrower.php***

<?php

$updateAccInfoerr="";

class DB

{

function opencon(){

$DBHostname="localhost";

$DBUsername="root";

$DBpass="";

$DBName="borrower";

$conn=new mysqli($DBHostname,$DBUsername,$DBpass,$DBName);

if($conn->connect\_error)

{

echo "Connection failed!.".$conn->connect\_error;

}

return $conn;

}

function SignUp($uname,$pass,$fname,$lname,$age,$gender,$mobileno,$email,$tablename,$conn)

{

$q="INSERT INTO $tablename (uname,pass,firstname,lastname,age,gender,mobileno,email) VALUES

('$uname','$pass','$fname','$lname',$age,'$gender','$mobileno','$email')";

if($conn->query($q)===TRUE)

{

echo "";

}

else{

echo "SignUp Unsuccessful!".$conn->error;

}

}

function viewRegisteredAccInfo($conn,$tablename,$uname,$pass)

{

$q="SELECT \* FROM $tablename WHERE uname='$uname' && pass= '$pass'";

$results=$conn->query($q);

return $results;

}

function signin($uname,$pass,$tablename,$conn)

{

$q="SELECT \* FROM $tablename WHERE uname='$uname' && pass= '$pass'";

$results=$conn->query($q);

return $results;

}

function viewAccInfo($conn,$tablename,$uname)

{

$q="SELECT \* FROM $tablename WHERE uname='$uname'";

$results=$conn->query($q);

return $results;

}

function updateAccInfo($uname,$pass,$fname,$lname,$age,$gender,$mobileno,$email,$tablename,$conn)

{

$q="UPDATE $tablename SET uname='$uname', pass='$pass', firstname='$fname',lastname='$lname',age=$age,gender='$gender',mobileno='$mobileno',email='$email' WHERE uname='$uname'";

if($conn->query($q))

{

$updateAccInfoerr = "Information Updated";

}

else

{

echo "Information Cannot Be Updated".$conn->error;

}

}

function closecon($conn){

$conn->close();

}

}

?>

***ViewProfileProcess.php***

<?php

include ("../model/dbconnBorrower.php");

$fname=$lname=$pass=$cpass=$age=$gender=$mobileNo=$email="";

$fnameerr=$lnameerr=$passerr=$cpasserr=$ageerr=$gendererr=$mobileNoerr=$emailerr=$dataerr="";

$dbfname=$dblname=$dbuname=$dbpass=$dbcpass=$dbage=$dbgender=$dbmobileNo=$dbemail="";

$view\_fname=$view\_lname=$view\_uname=$view\_age=$view\_gender=$view\_mobileNo=$view\_email=$pass="";

$count=$count2=0;

session\_start();

/\*$data = file\_get\_contents("../Model/BorrowerList.json");

$mydata = json\_decode($data);

foreach($mydata as $myobject){

if($myobject->uname == $\_SESSION["uname"] ){

$view\_uname = $myobject->uname;

$view\_fname = $myobject->firstname;

$view\_lname = $myobject->lastname;

$view\_age = $myobject->age;

$view\_gender = $myobject->gender;

$view\_mobileNo = $myobject->mobileNo;

$view\_email = $myobject->email;

//$pass = $myobject->pass;

}

}\*/

$mydb=new DB();

$conobj=$mydb->opencon();

$mydata=$mydb->viewAccInfo($conobj,"borrowerlist",$\_SESSION["uname"]);

if($mydata->num\_rows > 0)

{

while($row=$mydata->fetch\_assoc())

{

$view\_uname=$\_SESSION["uname"];

$view\_fname=$row["firstname"];

$view\_lname=$row["lastname"];

$view\_age=$row["age"];

$view\_gender=$row["gender"];

$view\_mobileNo=$row["mobileno"];

$view\_email=$row["email"];

}

}

if(isset($\_POST["Save"])){

$uname=$\_POST["uname"];

/\*$data = file\_get\_contents("../Model/BorrowerList.json");

$mydata = json\_decode($data);

foreach($mydata as $myobject){

if($myobject->uname == $uname ){

$count2++;

}

}

$mydb=new DB();

$conobj=$mydb->opencon();

$mydata=$mydb->viewAccInfo($conobj,"borrowerlist",$\_SESSION["uname"]);

if($mydata->num\_rows > 0)

{

while($row=$mydata->fetch\_assoc())

{

$view\_uname=$\_SESSION["uname"];

$view\_fname=$row["firstname"];

$view\_lname=$row["lastname"];

$view\_age=$row["age"];

$view\_gender=$row["gender"];

$view\_mobileNo=$row["mobileno"];

$view\_email=$row["email"];

}

}

$mydb->closecon($conobj);\*/

$fname=$\_POST["fname"];

if(empty($fname)|| !preg\_match ("/^[a-zA-z]\*$/", $fname) || strlen($fname)<3){

$fnameerr= " Please enter a valid name!";

}

else{

$fname;

$count++;

}

$lname=$\_POST["lname"];

if(empty($lname)|| !preg\_match ("/^[a-zA-z]\*$/", $lname) || strlen($lname)<3)

{

$lnameerr= " Please enter a valid name!";

}

else

{

$lname;

$count++;

}

/\*$uname=$\_POST["uname"];

if(empty($uname)|| strlen($uname)<3)

{

$unameerr= " Please enter an username!";

}

else if(strlen($uname)!=3)

{

$unameerr=" Admin Id must be 5 Numbers";

}

else if ($count2==1)

{

$unameerr =" Please enter a unique id!This is already exist!!";

}

else

{

$uname;

$count++;

}\*/

$pass=$\_POST["pass"];

$uppercase = preg\_match('@[A-Z]@', $pass);

$lowercase = preg\_match('@[a-z]@', $pass);

$number = preg\_match('@[0-9]@', $pass);

if(empty($pass) || !$uppercase || !$lowercase || !$number || strlen($pass) < 8 ){

$passerr= "Password should have at least 8 characters and include at least one upper case letter, one number, and one special character!";

}

else{

$count++;

}

$age=$\_POST["age"];

if(empty("$age")){

$ageerr= " Please enter age!";

}

else{

$age;

$count++;

}

if(isset($\_POST["gender"])){

$\_POST["gender"];

$count++;

}

else{

$gendererr=" Please select gender!";

}

$mobileNo=$\_POST["mobileNo"];

if(empty("$mobileNo")){

$mobileNoerr= " Please enter Mobile No!";

}

else if(strlen($mobileNo)!=11)

{

$mobileNoerr= " Please enter Valid Contact No!";

}

else

{

$mobileNo;

$count++;

}

$email=$\_POST["email"];

if(empty($email) || !preg\_match("/^([a-z0-9\+\_\-]+)(\.[a-z0-9\+\_\-]+)\*@([a-z0-9\-]+\.)+[a-z]{2,6}$/ix",$email))

{

$emailerr="Please enter a valid email!";

}

else

{

$email;

$count++;

}

if($count==7){

/\*$data = file\_get\_contents("../Model/BorrowerList.json");

$mydata = json\_decode($data);

foreach($mydata as $myobject){

if($myobject->uname == $uname){

$myobject->firstname = $fname;

$myobject->lastname = $lname;

$myobject->age = $age;

$myobject->gender = $\_POST["gender"];

$myobject->mobileNo = $mobileNo;

$myobject->email = $email;

}

}\*/

$dbuname = $uname;

$dbpass = $pass;

$dbfname = $fname;

$dblname = $lname;

$dbage = $age;

$dbgender = $\_POST["gender"];

$dbmobileNo = $mobileNo;

$dbemail = $email;

$mydb=new DB();

$conobj=$mydb->opencon();

$mydb->updateAccInfo($dbuname,$dbpass,$dbfname,$dblname,$dbage,$dbgender,$dbmobileNo,$dbemail,"borrowerlist",$conobj);

$jsondata = json\_encode($mydata, JSON\_PRETTY\_PRINT);

/\*if(file\_put\_contents("../Model/BorrowerList.json", $jsondata))

{

$dataerr= "Profile is updated!";

}

else

{

$dataerr= "Profile is not updated!";

}\*/

}

}

//echo "</table>";

//session\_destroy();

?>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CO2 and CO4 Evaluation: Project Report Evaluation** | | | | | |
| **Completeness**  **(5)** | **Validation**  **(5)** | **Feature Implementation**  **(5)** | **Concept Understanding**  **(5)** | **Promptness (5)** | **Total (25)** |
|  |  |  |  |  |  |
|  | | | | | |