



American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation Finished Project Report Spring 2021-22

Project Title: Handyman Services
Section: L

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Handyman Services

Project Description:

The “Handyman Services” website is a simple e-commerce website for the handymen of a local area. Often people of towns and cities face problem regarding their household works, like electric component problems or installation problems. And most of the time they face difficulties finding a handyman to fix the problem. This website helps them in finding a handyman with ease within a small time. Also, this website offers job to people who have the skills for this kind of jobs and gives them a good earning possibility. In this project. We used three types of users: regular user, handyman and admin.

Regular User

Regular user can create an account, update their information, post their problems according to problem type, then manage(update/delete) their post if user want to. Regular user can check the offer available and choose the offer they want. When the handyman completes the job, user can give ratings and comment on their work.

Handyman

Handyman can also create an account and see the posted problems from users. he can update profile information, take a job which he wants to choose, inform the user about the progress of the work and can check comments about him which is given by users.

Admin

Admin can manage and view all accounts of regular users and handymen. He can ban/unban or warn any users.

Project Folder Structure:

Here is the project folder structure:

> *wtpproject*

> *Admin*

- adminHome.php
- adminManageAccounts.php
- adminProcess.php
- adminViewAccounts.php

> *CSS*

- admin.css
- handyman.css
- hmProfile.css
- userHome.css
- userSignUp.css

> *Handyman*

- handymanOperation.php
- hmCheckComments.php
- hmHome.php



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- hmJob.php
- hmJobProcess.php
- hmManageJobs.php
- hmProfile.php
- hmSignup.php
- updateHmInfo.php
- updateHmInfoProcess.php

>JS

- adminManageAccountValidation.js
- hmManageJobs.js
- hmTakeJobValidation.js
- registrationValidate.js
- userFeatureValidation.js
- userPostValidation.js

>User

- checkOffers.php
- makeAPost.php
- managePostProcess.php
- managePosts.php
- offerProcess.php
- requestProcess.php
- updateUserInfo.php
- updateUserInfoProcess.php
- userHome.php
- userSignup.php

- loginProcess.php
- main.php
- registrationProcess.php
- signout.php



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Core Modules of the Project:

registrationValidate.js

```
//REGISTRATION VALIDATION

//NAME VALIDATION
document.getElementById("name").addEventListener('keyup', function()
{
    if (document.getElementById("name").value == "") {
        document.getElementById("errorName").innerHTML = "Please fill out User Name";
    } else if (/^[sa-zA-Z]+$/.test(document.getElementById("name").value) == false) {
        document.getElementById("errorName").innerHTML = "Invalid First Name";
    } else {
        document.getElementById("errorName").innerHTML = "";
    }
});

//NUMBER VALIDATION
document.getElementById("phoneNo").addEventListener('keyup', function()
{
    if (document.getElementById("phoneNo").value == "") {
        document.getElementById("errorPhoneNo").innerHTML = "Please fill out Phone No";
    } else if (/^[+0-9]{14}$/.test(document.getElementById("phoneNo").value) == false) {
        document.getElementById("errorPhoneNo").innerHTML = "Invalid Phone No";
    } else {
        document.getElementById("errorPhoneNo").innerHTML = "";
    }
});

//Email VALIDATION
document.getElementById("email").addEventListener('keyup', function()
{
    if (document.getElementById("email").value == "") {
        document.getElementById("errorEmail").innerHTML = "Please fill out Email Address";
    } else if (/^([a-z0-9+-]+)(.[a-z0-9+-]+)*@[a-z0-9-]+.[a-z]{2,6}$/.test(document.getElementById("email").value) == false) {
        document.getElementById("errorEmail").innerHTML = "Invalid Email Address";
    } else {
        document.getElementById("errorEmail").innerHTML = "";
    }
});

//PASSWORD VALIDATION
```



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```
document.getElementById("password").addEventListener("keyup", function() {
    if (document.getElementById("password").value == "") {
        document.getElementById("errorpassword").innerHTML =
            "Please fill out Password";
    } else if (
        /^(?!.*\s)(?=.*[A-Z])(?=.*[a-z])(?=.*[0-9])(?=.*[!@#$%^&*()]).{8,}$/ .test(document.getElementById("password").value) == false
    ) {
        document.getElementById("errorpassword").innerHTML =
            "Invalid Password Format";
    } else {
        document.getElementById("errorpassword").innerHTML = "";
    }
});
```

requestProcess.php

```
<?php
session_start();
$userID = $_SESSION["userID"];

if(isset($_POST["postRequest"]))
{
    if(isset($_POST["problemDescription"]))
    {
        if(isset($_POST["problemType"]))
        {
            $requestedBy = $_SESSION["userName"];
            $problemDescription = $_POST["problemDescription"];
            $problemType = $_POST["problemType"];
            $postDate = $_POST["postDate"];
            $postTime = $_POST["postTime"];

            $conn = mysqli_connect( 'localhost' , 'root' , '' , 'handyman_services');
            $sql = "INSERT INTO request_data (userID, requestedBy, problemDescription, problemType,
            postDate, postTime) VALUES ('$userID', '$requestedBy', '$problemDescription'
            , '$problemType', '$postDate', '$postTime')";
            $result = mysqli_query($conn, $sql);
            if($result)
            {
                $sql2 = "SELECT * FROM request_data Where userID ='$userID' and postTime =
                '$postTime'";
                $query_run = mysqli_query($conn, $sql2);
                $rows = mysqli_fetch_array($query_run);
                $requestID = $rows["requestID"];
                $tableName = "Temp_Bids_". $requestID;
                $sql3 = "CREATE TABLE $tableName (requestID varchar(30) NOT NULL, bidAmount
                varchar(10) NOT NULL , hmID varchar(5) NOT NULL , additionalMessage text NOT NULL)";
                $result2 = mysqli_query($conn, $sql3);
```



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```

if($result2)
{
    echo "Your Problem Has Been Posted Successfully, Bidding System Created
    Successfully";
    header("refresh:5 ; url=userHome.php");
}
else { echo "Error In Creating Bidding System"; header("refresh:1 ;
url=makeAPost.php"); }

}
else { echo "Error In Posting"; header("refresh:1 ; url=makeAPost.php"); }

}
else {echo "Please Select your Problem Type"; header("refresh:1 ; url=makeAPost.php");}

}
else {echo "Please Describe Your Problem"; header("refresh:1 ; url=makeAPost.php");}

}
?>

```

managePosts.php

[illegible]

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```
//LOAD FORM
echo "<form action='http://localhost/wtproject/User/managePosts.php' method='post'> ";
session_start();
$userID = $_SESSION["userID"];
$conn = mysqli_connect( 'localhost' , 'root', '', 'handyman_services');
$sql1 = "SELECT * FROM request_data Where userID ='$userID' ";
$query_run = mysqli_query($conn,$sql1);
echo " Please Choose Your Request ID :";

echo " <select name='requestID'> ";
echo "<option value='' selected></option> ";

while ($row = mysqli_fetch_array($query_run))
{
    $_SESSION["reqID"] = $row["requestID"];
    $reqID = $row["requestID"];
    echo "<option value='.$reqID.'>.$reqID.</option> ";
}
echo "</option> </select>";
echo "<input type='submit' name='Load' value='Load'>";
echo "</form>";

//Process Form Values
echo "<form action='http://localhost/wtproject/User/managePostProcess.php' method='post' > ";
if(isset($_POST["Load"]))
{
    if($_POST["requestID"]!="")
    {
        $reqID = $_POST["requestID"] ;
        $sql2 = "SELECT * FROM request_data Where requestID ='$reqID' ";
        $query_run = mysqli_query($conn,$sql2);
        $row2 = mysqli_fetch_array($query_run);
        if($row2!=null)
        {
            $_SESSION["hmID"] = $row2["pickedUpBy"];
            $id = $_SESSION["hmID"] ;
            $pickedUpBy = $row2["pickedUpBy"];
            $problemCompleted = $row2["problemCompleted"];
            $problemDescription = $row2["problemDescription"];
            $problemType = $row2["problemType"];
            echo "<h3>Problem Description : </h3>";
            echo "<textarea name='problemDescription' rows='20'
cols='150'>.$problemDescription. </textarea>";
            echo "<br>";
            echo "<br>";

            echo " Problem Type :";

            echo " <select name='problemType'> ";
            echo "<option value='.$problemType.' selected>.$problemType.</option> ";
            echo "<option value=Electricity>Electricity</option> ";
            echo "<option value=Carpenting>Carpenting</option> ";
            echo "<option value=Installation>Installation</option> ";
            echo "<option value=Cleaning>Cleaning</option> ";
            echo "<option value=Painting>Painting</option> ";
            echo "</select>";
            echo "<br><br>";
            echo "Problem Completed : ".$problemCompleted." % <br><br>";
        }
    }
}
```



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```
echo "Problem Picked Up By : ID [ ".$pickedUpBy." ] <br><br>";

date_default_timezone_set('Asia/Dhaka');

echo "Today's Date : <input type = 'text' name='postDate' value=".date('d/m/y')."
readonly><br><br>";

        echo "Current Time : <input type = 'text' name='postTime' value=".date('h:i:s')."
readonly><br><br>";
        echo "VISIT HANDYMAN PROFILE --- <a
href='http://localhost/wtproject/Handyman/hmProfile.php?id=$id'> Check Profile </a>";

        echo "<br><br>";
        echo "<input type='submit' name='updatePost' value='Update' enabled >";
        echo "<br><br>";
        echo "<input type='submit' name='deletePost' value='DELETE POST' enabled>";

    }
}
else {echo "Post Not Found" ;}
}

echo "</form>";

?>

</form>

</div>

</body>

</html>
```

