

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Fall 2023-2024**

**Project Title: Hotel Management System**

**Section: G**

**Group: 7**

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

*This project is all about building a cool website for the famous Radisson Blue hotel. We want*

*to make a website that's easy to use and looks modern. The goal is to present all the great*

*things about the hotel – like the awesome rooms, services, and fun stuff nearby. People who*

*might want to stay at the hotel can use the website to learn more, check out pictures, book a*

*room, rent a car, and some special deals – all in one place. We made sure that the staffs also*

*work in harmony to help the system fully workable as they are integral part of executing the*

*task. We're working to create a website that makes the hotel look good online and gives*

*guests a really great experience when they visit the site.*There are 5 -types of Users here. They are:

* Admin
* Customer
* Moderator
* Staff
* Supplier

2. Feature List:

In this project the “Admin” has the following features:

* Log In
* Registration
* Forget password
* Package
* Add package
* Delete package
* Edit profile
* Change picture
* Change password
* Admin can see list of members

In this project the “Customer” has the following features:

* Servics
* About Us
* Sign Up
* Sign In
* Offers & Package
* Booking
* View cart
* Hire Car

In this project the “Moderator” has the following features:

* Log In
* Registration
* Edit Profile
* Edit picture
* Edit password
* Edit packages
* Confirmation Hire car
* Manage offers

In this project the “Staff” has the following features:

* Log In
* Registration
* Edit Profile
* Edit password
* Manager can Assign, Edit and Delete task
* All staffs excluding manager can see their assigned task.
* Managers can see available staffs

In this project the “Supplier” has the following features:

* Log In
* Registration
* Edit Profile
* Edit password

**Project Folder Structure:**

We followed the Layered Architecture “MVC”. M stands for Model where we kept our databases and database functionalities. V stands for View partition of the project which our clients will experience or to simplify we can say the HTML portions of the project. C stands for Controller where all process of servers validation and else take place. We added two new layers to make our work more integrated- Layer and js. Layer stores all the css work which we applied throughout the project. JS stores the javascript portion throughout the project.

**Core Modules of the Project:**

Here, THREE of our CORE modules’ source code with appropriate filename as heading.

***registration\_pro.php***

*<!DOCTYPE html>*

*<script src="../js/myscript.js"></script>*

*<?php include '../Model/mydb.php'; ?>*

*<html lang="en">*

*<head>*

*<title>Registration\_pro</title>*

*</head>*

*<body>*

*<?php*

*$nameErr = $emailErr = $userNameErr = $termErr = $dobErr = $addressErr = $genderErr = $phnErr = $roleErr = $passErr = $userExist = "";*

*if ($\_SERVER["REQUEST\_METHOD"] == "POST") {*

*$errorFlag = false;*

*if (!isset($\_POST['sname']) || empty($\_POST['sname'])) {*

*$nameErr = " \*Name is required";*

*$errorFlag = true;*

*} else {*

*if (!preg\_match("/^[a-zA-Z-' ]\*$/", $\_POST['sname'])) {*

*$nameErr = " \*Only letters, whitespaces, - and ' are acceptable";*

*$errorFlag = true;*

*}*

*}*

*if (empty($\_POST['emailAddress'])) {*

*$emailErr = " \*Email is required";*

*$errorFlag = true;*

*} else {*

*$email = $\_POST['emailAddress'];*

*$email\_pattern = "/@email\.com/";*

*$email\_matching\_result = preg\_match($email\_pattern, $email);*

*if ($email\_matching\_result == 0) {*

*$emailErr = " \*Email format is not valid";*

*$errorFlag = true;*

*}*

*}*

*if (!isset($\_POST['uname']) || empty($\_POST['uname'])) {*

*$userNameErr = " \*User Name is required";*

*$errorFlag = true;*

*} else {*

*$userName = $\_POST['uname'];*

*if (!preg\_match("/^[a-zA-z\_0-9]\*$/", $userName)) {*

*$userNameErr = "Only characters, alphabetic numeric characters, dash, underscore can be used in username";*

*$errorFlag = true;*

*} else if (strlen($userName) < 2) {*

*$userNameErr = "Username must contain at least 2 characters";*

*$errorFlag = true;*

*}*

*}*

*if (!isset($\_POST['password']) || empty($\_POST['password'])) {*

*$passErr = " \*Password is required";*

*$errorFlag = true;*

*} else {*

*$pass = $\_POST['password'];*

*if (strlen($pass) < 5) {*

*$passErr = " \*Password must contain at least 5 characters";*

*$errorFlag = true;*

*}*

*$special\_pass\_check\_1 = strpos($pass, "#");*

*$special\_pass\_check\_2 = strpos($pass, "%");*

*$special\_pass\_check\_3 = strpos($pass, "$");*

*if ($special\_pass\_check\_1 === false && $special\_pass\_check\_2 === false && $special\_pass\_check\_3 === false) {*

*$passErr = "Password must contain at least one of $, #, %";*

*$errorFlag = true;*

*}*

*}*

*if (empty($\_POST['dOb'])) {*

*$dobErr = " \*Date of Birth is required";*

*$errorFlag = true;*

*}*

*if (empty($\_POST['termscheck'])) {*

*$termErr = " \*Terms and Conditions must be accepted";*

*$errorFlag = true;*

*}*

*if (empty($\_POST['address'])) {*

*$addressErr = " \*Address field is required";*

*$errorFlag = true;*

*}*

*if (!isset($\_POST['gender']) || empty($\_POST['gender'])) {*

*$genderErr = " \*Gender field is required";*

*$errorFlag = true;*

*}*

*if (!isset($\_POST['roles']) || empty($\_POST['roles'])) {*

*$roleErr = " \*Roles field is required";*

*$errorFlag = true;*

*}*

*if (empty($\_POST['phnumber'])) {*

*$phnErr = " \*Phone number is required";*

*$errorFlag = true;*

*} else {*

*$phn = $\_POST['phnumber'];*

*$phn\_pattern = "/01[0-9]{9}/i";*

*$phn\_matching\_result = preg\_match($phn\_pattern, $phn);*

*if ($phn\_matching\_result == 0) {*

*$phnErr = " \*Phone format is not valid";*

*$errorFlag = true;*

*}*

*}*

*if (!$errorFlag) {*

*$myDB = new myDB();*

*$conobj = $myDB->openCon();*

*$userExists = $myDB->checkUserExist($conobj,"users",$\_POST['emailAddress'],$\_POST['uname']);*

*if (!$userExists) {*

*$result = $myDB->insertUser($conobj, "users", $\_POST['sname'], $\_POST['emailAddress'],*

*$\_POST['uname'], $\_POST['password'], $\_POST['gender'], $\_POST['address'], $\_POST['dOb'],*

*$\_POST['roles'], $\_POST['phnumber']);*

*if ($result == true) {*

*echo "User created successfully";*

*header("Location: ../view/login.php");*

*} else {*

*echo "Failed to create user";*

*}*

*}*

*$myDB->closeCon($conobj);*

*} else {*

*echo "Error in form submission. Please check your inputs.";*

*}*

*}*

*?>*

*</body>*

*</html>*

***manager\_Userdeal.php***

*<!DOCTYPE html>*

*<html lang="en">*

*<head>*

*<title>Manager User Dealing</title>*

*<link rel="stylesheet" href="../layer/layout.css">*

*</head>*

*<body>*

*<script src="../js/myscript.js"></script>*

*<?php*

*session\_start();*

*if ($\_SESSION['roles'] === 'manager') {*

*echo"<h1>Search User :</h1><br>";*

*echo'<input type="text" id="email" onkeyup="fetchUsers()" />';*

*echo'<p id="print"></p>';*

*echo'<h2>Delete User</h2>*

*<form method="POST" action="../controller/manager\_Deleteuserpro.php">*

*User Email: <input type="text" name="email" required><br>*

*<input type="submit" name="deleteUser" value="Delete User">';*

*echo '<p><a href="../view/manager\_dash.php">Back to Manager Dashboard</a></p>';*

*}else {*

*echo 'Access denied. Please log in with a valid role.';*

*}*

*?>*

*</body>*

*</html>*

***waiter\_Editpass.php***

*<script src="../js/myscript.js"></script>*

*<?php*

*session\_start();*

*if ($\_SESSION['roles'] === 'waiter') {*

*if (isset($\_POST['submit'])) {*

*$newPassword = $\_POST['newPassword'];*

*$confirmPassword = $\_POST['confirmPassword'];*

*if ($newPassword === $confirmPassword) {*

*include '../Model/mydb.php';*

*$myDB = new myDB();*

*$conn = $myDB->openCon();*

*$email = $\_SESSION['email'];*

*$result = $myDB->updatePass($conn,'users', $email, $newPassword);*

*if ($result) {*

*echo 'Password updated successfully.';*

*} else {*

*echo 'Error updating profile.';*

*}*

*$myDB->closeCon($conn);*

*header("Location: ../view/waiter\_dash.php");*

*} else {*

*echo 'Password and confirm password do not match.';*

*}*

*}*

*} else {*

*echo 'Access denied. Please log in with a valid role.';*

*}*

*?>*

**GIT Repository: https://github.com/humayra1011/Final\_Project\_WT\_Sec-G?fbclid=IwAR3nCVtiPHieGH95idsXYWAj\_hmD5F2le5IOEzCHG46c\_b6NBSIUIXBpvvM**

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