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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Hotel Management System

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.

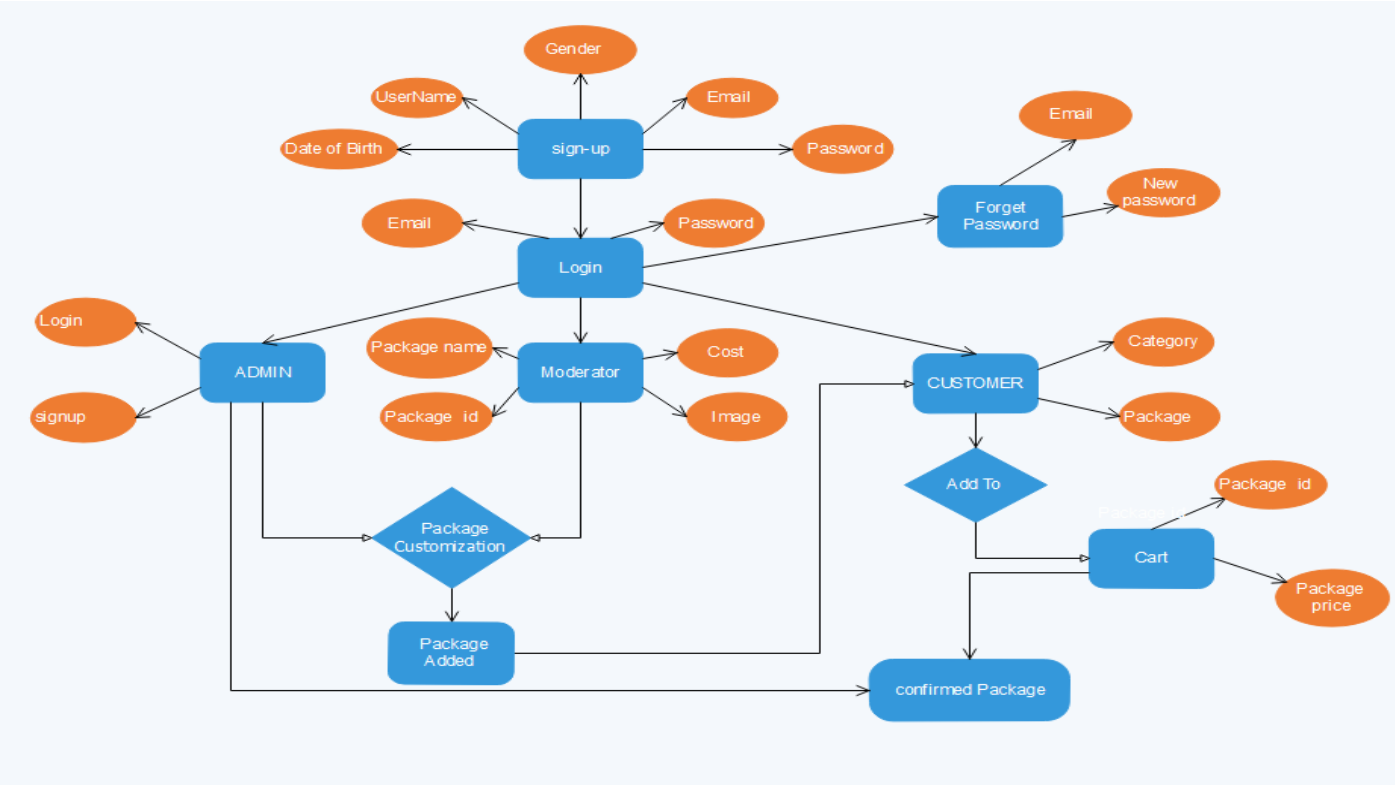
Core Modules of the Project:
Here, THREE of our CORE modules’ source code with appropriate filename as heading.

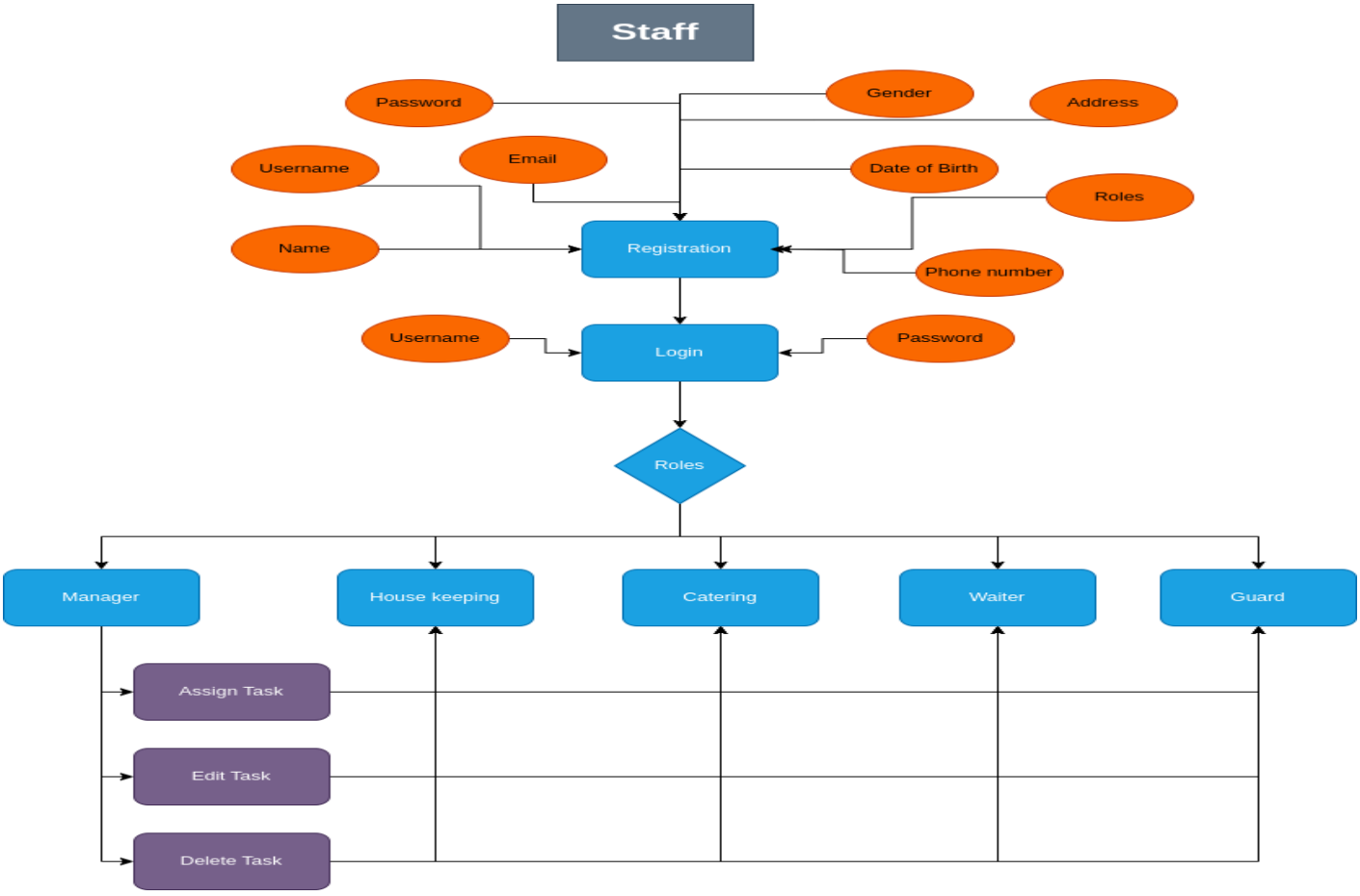
registration_pro.php

```
<!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;
```

Hotel Management System

Design:





Hotel Management System

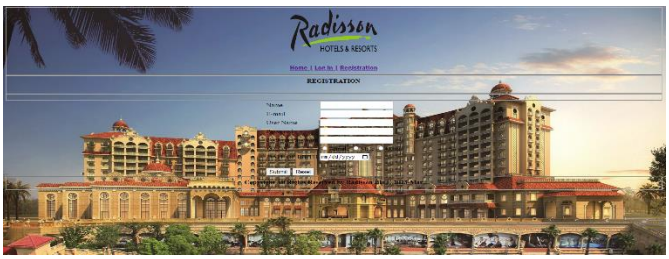
Tools Used:

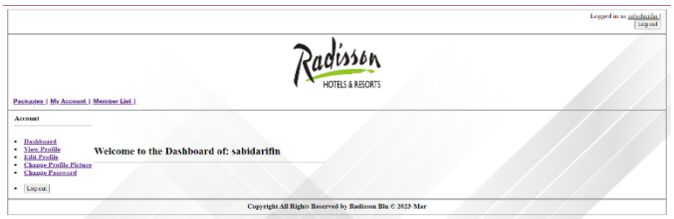
To develop this project, we have used the following:

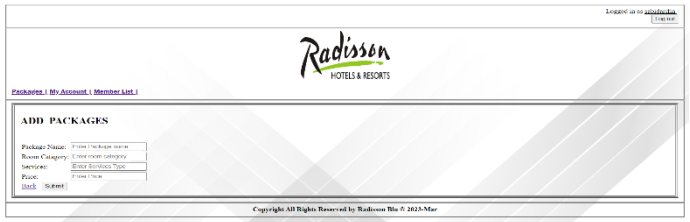
- Visual Studio Code.
- Sublime Text.
- Xampp.
- Github.
- Google Chrome.

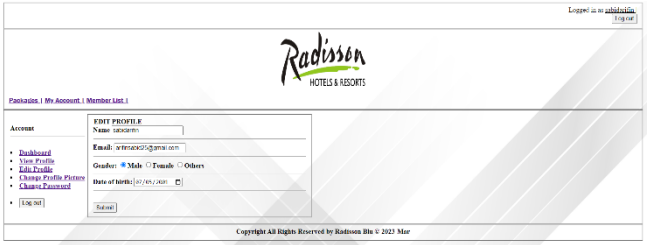
System Images against the Specification:

Admin Interface-



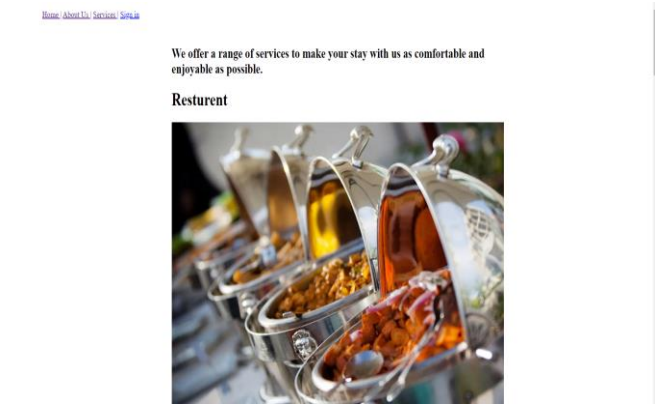


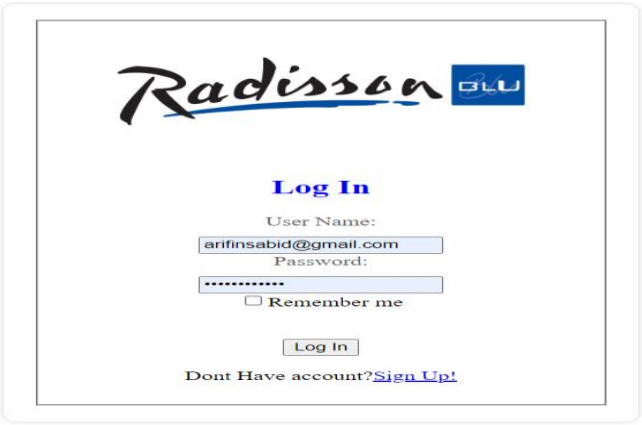


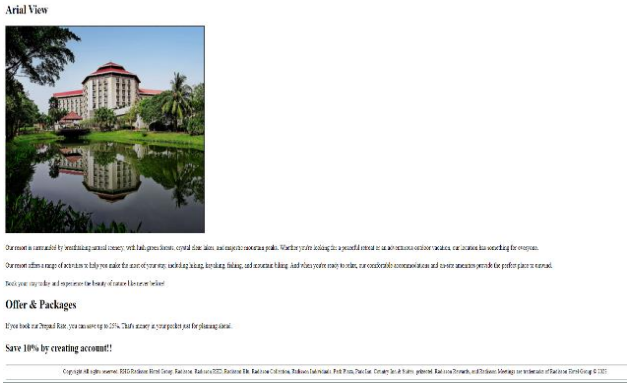


Hotel Management System

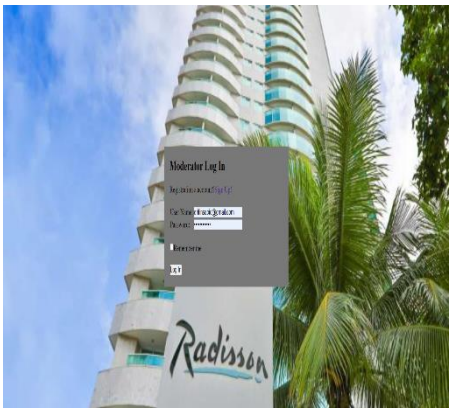
Customer Interface-

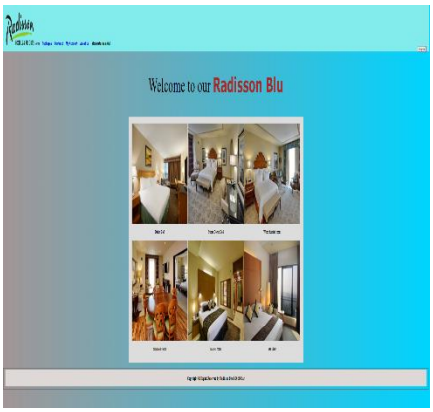


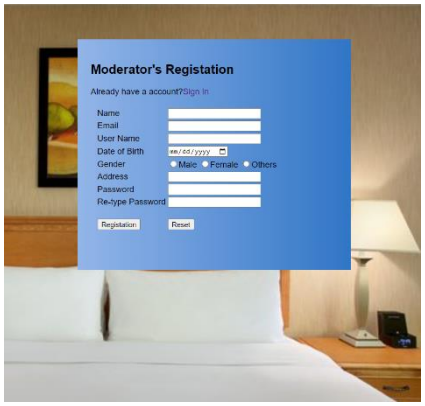




Moderator Interface-







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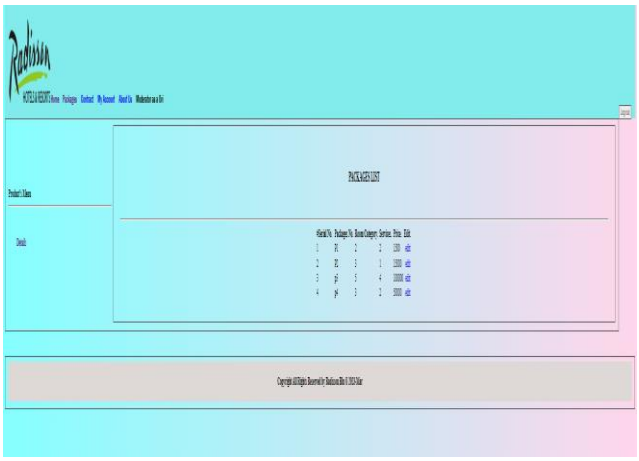
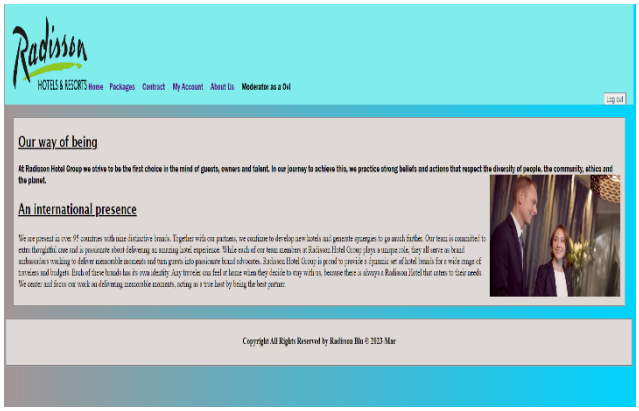
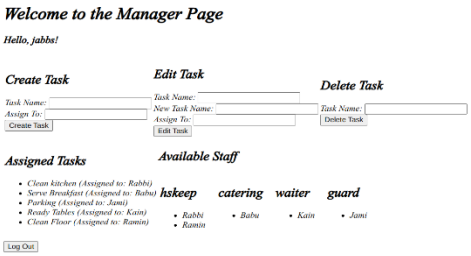




Staff Interface-



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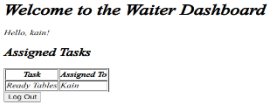

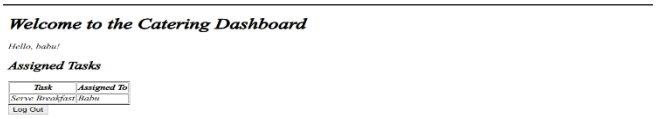

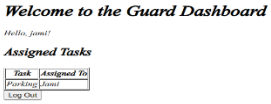

Impact of this Project:

Having a basic hotel website can really help the hotel make more money and make guests happier. The website lets guests book rooms, find out about the hotel, and share their thoughts. A good website can also help the hotel tell everyone about cool things it offers. Using a reservation system on the site makes things faster and smoother for the hotel. The staffs also get their real time work schedule which enable them to prepare the work ahead or make the better preparation for the customers. Plus, guests can share their thoughts easily, making everyone happier.

Limitations and Possible Future Improvements:

A simple hotel website is helpful, there are some things we need to be careful about. One big concern is keeping guests' info safe, especially things like payment details. To deal with this, we use strong security steps like secret codes and regular safety checks. That way, everyone's information stays safe and protected.

The downside of a basic hotel website is that it doesn't do a lot of things. To fix this, hotels can consider adding more services, like rewards programs, apps for booking on phone, and checking if rooms are available right away. This can make things work better and make guests happier.

Hotel Management System

[Note: Make sure that your report is maximum 10 pages (including cover page). Print (Colored) the report and submit it with spiral bind.]

CO1.1 and CO2.1 Evaluation: Project Report Evaluation					
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)