

Hidalgo Hotel Website

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# Description of Hotel System

The hotel booking system is a comprehensive web application that facilitates a wide range of functionalities for guests and hotel staff. It is built using several programming languages including PHP, HTML, CSS, and JavaScript, and it utilizes a MySQL database to store relevant information. The system enables guests to register and create an account by providing their personal information. This enables them to log in and make future bookings more efficiently.

The room booking component of the system is one of the most critical functionalities. Guests can search for available rooms based on their preferred check-in and check-out dates, room type, and number of occupants. The system ensures that rooms are not double-booked by checking the check-in and check-out dates of other bookings. Once guests have selected their preferred room, they can complete their booking and receive a confirmation number.

In addition to the room booking functionality, the system also allows guests to search for their reservation details without having to log in. This component of the system is crucial for guests who may have forgotten their login credentials or who have lost their confirmation number.

The Admin Panel is another essential component of the hotel booking system. It allows hotel staff to manage the system efficiently. The admin panel enables staff to view room information, edit room information, add new rooms, and delete rooms from the system. The Admin Panel is password protected to ensure that only authorized personnel have access to it.

The security and privacy of guest information is paramount to the system. To ensure this, the system implements password hashing and encryption when storing sensitive data in the database. This ensures that guest information is secure and cannot be easily accessed by unauthorized personnel.

Overall, the hotel booking system is user-friendly and convenient for guests while enabling hotel staff to manage the system efficiently. The system provides a comprehensive set of functionalities, including guest registration, room booking, reservation search, and an admin panel.

# System Components

## Database Design

In the hotel booking system, the database design is an important component that ensures the system functions efficiently and accurately. To design the database, a list of assumptions was first made using the project requirements. Once the assumptions were made, three versions of an entity relationship diagram (ERD) were made. Finally, with the ERD’s ready, a relationship diagram was made to help us visualize how our data will look once it is in SQL.

Assumptions are made to help visualize how the database system should look and how the components of a database should interact with one another. They serve as a starting point for creating the database schema, and they help to identify the necessary entities and attributes required to store and manage the data. Assumptions also help to identify any potential problems or limitations that may arise during the database design process.

After the assumptions the first version of the entity relationship diagram (ERD) was created to identify each entity individually and determine the attributes associated with it. Entities such as guests, rooms, reservations, and admins were identified, and attributes such as guest names, room numbers, check-in and check-out dates, and admin login details were identified for each entity. The second version of the ERD was created to visualize the relationship between the entities and to eliminate any redundant relationships.

The final version of the ERD was created to view the constraints and cardinalities of each relationship. This helped to identify which attributes should be used as keys to ensure data integrity and accuracy. For example, the reserve\_room entity has a composite key consisting of the confirmation ID and room number. This helps us monitor what rooms are reserved and at that time.

Finally a relationship diagram was made by consolidating all of the ERD’s and assumptions. With a relationship diagram, were are able to visualize what schemas required foreign keys, and what relationships should be treated as schema themselves. This ultimately helps us to make a reliable database with the least amount of resources as possible. Please see below for the assumptions, ERD’s and relationship diagram used.

### Assumptions

1. Room
   1. Room\_number
   2. Room\_type
   3. {Room\_imgs}
   4. Room\_availability
   5. Max\_occupancy
   6. Price\_per\_night
2. Guest User
   1. Has Name
      1. First
      2. Middle
      3. Last
   2. Address
      1. Apartment Number
      2. Street Number
      3. Street Name
      4. City
      5. Zip Code
      6. State
      7. Country
   3. {Has Phone Number}
   4. {Has Email Address}
   5. User\_name
   6. Password
   7. User I.D.
3. Reservation
   1. Confirmation number
   2. Check in Date
   3. Check out Date
   4. Number of adults
   5. Number of Children
   6. Total\_cost
   7. Time stamp created
4. Admin User
   1. Has Name
      1. First
      2. Middle
      3. Last
   2. Address
      1. Apartment Number
      2. Street Number
      3. Street Name
      4. City
      5. Zip Code
      6. State
      7. Country
   3. {Has Phone Number}
   4. {Has Email Address}
   5. User\_name
   6. Password
   7. User I.D.

Interactions of hotel Database

Admin User manages rooms

Admin User can manage reservation

Guest User can book Reservations

Reservations reserve a room.

### Version 1 ERD

Diagram, schematic

Description automatically generated

### Version 2 ERD

Diagram, schematic, map

Description automatically generated

### Version 3 ERD

Map

Description automatically generated

### Relational Schema

Graphical user interface

Description automatically generated

## MVC

The hotel management system employs SQL queries, HTML, and PHP to implement an MVC (Model-View-Controller) structure. This structure is characterized by dividing the application into three separate components. The first component, the model, represents the business logic of the system. It comprises the database schema and all the methods for interacting with the database. In the hotel management system, the model incorporates tables for reservations, rooms, guests, and other necessary information. The model is basically the SQL database itself, along with the PHP code and PDO/SQL commands used to retrieve the data,

The second component is the view, which handles the user interface and presentation of data to the user. In the hotel management system, the view includes the HTML templates and CSS stylesheets for displaying information about reservations, rooms, and guests.

The third component is the controller, which manages the flow of data between the model and the view. The controller contains the application logic for handling user input and generating appropriate responses. In the hotel management system, the controller receives user input from the search form and uses the model to retrieve and display reservation data in the view. This was done mostly by using PHP.

# Implementation

## SQL files

-- phpMyAdmin SQL Dump

-- version 5.2.0

-- https://www.phpmyadmin.net/

--

-- Host: 127.0.0.1

-- Generation Time: Mar 04, 2023 at 12:05 AM

-- Server version: 10.4.27-MariaDB

-- PHP Version: 8.1.12

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8mb4 \*/;

--

-- Database: `rafaelhidalgodatabase`

--

-- --------------------------------------------------------

-- create user to query product database --

GRANT SELECT, INSERT, DELETE, UPDATE

ON rafaelhidalgodatabase.\*

TO rafaelhidalgo@localhost

IDENTIFIED BY ' rafaelhidalgopass';

--

-- Table structure for table `admin\_email`

--

CREATE TABLE `admin\_email` (

  `admin\_user\_id\_fk` int(20) UNSIGNED NOT NULL,

  `admin\_email` varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `admin\_email`

--

INSERT INTO `admin\_email` (`admin\_user\_id\_fk`, `admin\_email`) VALUES

(1, 'johndoe@example.com'),

(2, 'jdsmith@example.com');

-- --------------------------------------------------------

--

-- Table structure for table `admin\_phone\_number`

--

CREATE TABLE `admin\_phone\_number` (

  `admin\_user\_id\_fk` int(20) UNSIGNED NOT NULL,

  `admin\_phone\_number` varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `admin\_phone\_number`

--

INSERT INTO `admin\_phone\_number` (`admin\_user\_id\_fk`, `admin\_phone\_number`) VALUES

(1, '555-555-5555'),

(2, '555-555-5555');

-- --------------------------------------------------------

--

-- Table structure for table `admin\_user`

--

CREATE TABLE `admin\_user` (

  `admin\_user\_id` int(20) UNSIGNED NOT NULL,

  `first\_name` varchar(20) NOT NULL,

  `middle\_name` varchar(20) DEFAULT NULL,

  `last\_name` varchar(20) NOT NULL,

  `password` char(60) NOT NULL,

  `username` varchar(20) NOT NULL,

  `apt\_number` int(20) UNSIGNED NOT NULL,

  `street\_number` int(20) UNSIGNED NOT NULL,

  `street\_name` varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `admin\_user`

--

INSERT INTO `admin\_user` (`admin\_user\_id`, `first\_name`, `middle\_name`, `last\_name`, `password`, `username`, `apt\_number`, `street\_number`, `street\_name`) VALUES

(1, 'John', 'A', 'Doe', '$2y$10$7SUuky6JV/ql/kZFyiG5je6MyubVU/ErRNqvh8L1tI0Pnpda3eAWS', 'johndoe', 123, 456, 'Some street'),

(2, 'John', 'David', 'Smith', '$2y$10$7SUuky6JV/ql/kZFyiG5je6MyubVU/ErRNqvh8L1tI0Pnpda3eAWS', 'jdsmith', 1234, 5678, 'Main St');

-- --------------------------------------------------------

--

-- Table structure for table `guest\_email`

--

CREATE TABLE `guest\_email` (

  `guest\_user\_id\_fk` int(20) UNSIGNED NOT NULL,

  `guest\_email` varchar(100) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `guest\_email`

--

INSERT INTO `guest\_email` (`guest\_user\_id\_fk`, `guest\_email`) VALUES

(1, 'johndoe@email.com'),

(2, 'guest2@example.com'),

(3, 'guest3@example.com'),

(4, 'guest4@example.com'),

(6, 'omnidox05@gmail.com'),

(17, 'hidalgor2@montclair.edu');

-- --------------------------------------------------------

--

-- Table structure for table `guest\_phone\_number`

--

CREATE TABLE `guest\_phone\_number` (

  `guest\_user\_id\_fk` int(20) UNSIGNED NOT NULL,

  `guest\_phone\_number` int(20) UNSIGNED NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `guest\_phone\_number`

--

INSERT INTO `guest\_phone\_number` (`guest\_user\_id\_fk`, `guest\_phone\_number`) VALUES

(1, 1234567890),

(2, 1234567891),

(3, 1234567892),

(4, 1234567893),

(6, 4294967295),

(17, 4294967295);

-- --------------------------------------------------------

--

-- Table structure for table `guest\_user`

--

CREATE TABLE `guest\_user` (

  `guest\_user\_id` int(20) UNSIGNED NOT NULL,

  `first\_name` varchar(20) NOT NULL,

  `middle\_name` varchar(20) DEFAULT NULL,

  `last\_name` varchar(20) NOT NULL,

  `password` char(60) NOT NULL,

  `username` varchar(20) NOT NULL,

  `apt\_number` int(20) UNSIGNED NOT NULL,

  `street\_number` int(20) UNSIGNED NOT NULL,

  `street\_name` varchar(20) NOT NULL,

  `user\_picture` varchar(255) DEFAULT NULL,

  `city` varchar(20) NOT NULL,

  `zip\_code` int(5) UNSIGNED ZEROFILL NOT NULL,

  `state` varchar(20) NOT NULL,

  `country` varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `guest\_user`

--

INSERT INTO `guest\_user` (`guest\_user\_id`, `first\_name`, `middle\_name`, `last\_name`, `password`, `username`, `apt\_number`, `street\_number`, `street\_name`, `user\_picture`, `city`, `zip\_code`, `state`, `country`) VALUES

(1, 'John', 'A', 'Doe', '$2y$10$3Nl5b5e33N1f4x3M8hHjFObL0pGvAdS9OyBJc2ms.sbzyd0NNRRx6', 'johndoe', 101, 10, 'Madison Ave', NULL, 'east orange', 07017, 'NJ', 'USA'),

(2, 'Jane', 'B', 'Doe', '$2y$10$e5f5l5e33N1f4x3M8hHjFObL0pGvAdS9OyBJc2ms.sbzyd0NNRRx6', 'janedoe', 102, 11, 'Madison Ave', NULL, 'east orange', 07017, 'NJ', 'USA'),

(3, 'Jim', 'C', 'Smith', '$2y$10$0z5b5e33N1f4x3M8hHjFObL0pGvAdS9OyBJc2ms.sbzyd0NNRRx6', 'jimsmith', 103, 12, 'Madison Ave', NULL, 'east orange', 07017, 'NJ', 'USA'),

(4, 'Joe', 'D', 'Johnson', '$2y$10$w0z5b5e33N1f4x3M8hHjFObL0pGvAdS9OyBJc2ms.sbzyd0NNRRx6', 'joejohnson', 104, 13, 'Madison Ave', NULL, 'east orange', 07017, 'NJ', 'USA'),

(6, 'Rafael', 'O', 'Hidalgo', '$2y$10$GBFqXtqUzYA47gxdyGf0je/4Yk5Soxp/vNY8.y5wsNPlbgGBfiRSy', 'user1', 2, 317, 'Madison Ave', 'uploads/63fc16d3c0a7a7.71573000.jpg', 'east orange', 07017, 'NJ', 'USA'),

(17, 'Rafael', 'Omar', 'Hidalgo', '$2y$10$Oamskg2BI0fMAH7X/yRJIOUoO3fcAwgG2vP/r3971tEJSVz7ft8j6', 'Rafaelhidalgo', 1, 191, 'Glenwood Avenue', 'uploads/64024bad87a7e0.03160510.jpg', 'East Orange', 07017, 'NJ', 'United States');

-- --------------------------------------------------------

--

-- Table structure for table `reservation`

--

CREATE TABLE `reservation` (

  `conf\_number` int(20) UNSIGNED NOT NULL,

  `number\_child` int(20) UNSIGNED NOT NULL DEFAULT 0,

  `number\_adult` int(20) UNSIGNED NOT NULL DEFAULT 0,

  `ck\_in\_date` date NOT NULL,

  `ck\_out\_date` date NOT NULL,

  `total\_cost` decimal(20,2) UNSIGNED NOT NULL,

  `guest\_user\_id\_fk` int(20) UNSIGNED NOT NULL,

  `reservation\_timestamp` timestamp NOT NULL DEFAULT current\_timestamp()

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `reservation`

--

INSERT INTO `reservation` (`conf\_number`, `number\_child`, `number\_adult`, `ck\_in\_date`, `ck\_out\_date`, `total\_cost`, `guest\_user\_id\_fk`, `reservation\_timestamp`) VALUES

(13, 3, 2, '2023-03-03', '2023-03-06', '180.00', 17, '2023-03-03 20:22:16'),

(14, 0, 1, '2023-03-13', '2023-03-25', '720.00', 17, '2023-03-03 20:23:44');

-- --------------------------------------------------------

--

-- Table structure for table `reserve\_room`

--

CREATE TABLE `reserve\_room` (

  `conf\_number\_fk` int(20) UNSIGNED NOT NULL,

  `room\_number\_fk` int(20) UNSIGNED NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `reserve\_room`

--

INSERT INTO `reserve\_room` (`conf\_number\_fk`, `room\_number\_fk`) VALUES

(13, 101),

(14, 101);

-- --------------------------------------------------------

--

-- Table structure for table `room`

--

CREATE TABLE `room` (

  `room\_number` int(20) UNSIGNED NOT NULL,

  `price\_per\_night` decimal(20,2) NOT NULL,

  `availability` varchar(20) NOT NULL DEFAULT 'vacant',

  `room\_type` varchar(20) NOT NULL,

  `max\_occupancy` int(20) UNSIGNED NOT NULL,

  `room\_description` text NOT NULL DEFAULT 'description here.'

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `room`

--

INSERT INTO `room` (`room\_number`, `price\_per\_night`, `availability`, `room\_type`, `max\_occupancy`, `room\_description`) VALUES

(101, '60.00', 'vacant', 'Blue Room', 5, 'A Cool Blue Room!');

-- --------------------------------------------------------

--

-- Table structure for table `room\_images`

--

CREATE TABLE `room\_images` (

  `room\_number\_fk` int(20) UNSIGNED NOT NULL,

  `room\_image` text NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Dumping data for table `room\_images`

--

INSERT INTO `room\_images` (`room\_number\_fk`, `room\_image`) VALUES

(101, '64017e1b9f3671.03492823.jpg'),

(101, '64017e1ba0af67.18195614.jpg'),

(101, '64017e1ba250d5.87398008.jpg');

--

-- Indexes for dumped tables

--

--

-- Indexes for table `admin\_email`

--

ALTER TABLE `admin\_email`

  ADD PRIMARY KEY (`admin\_user\_id\_fk`,`admin\_email`);

--

-- Indexes for table `admin\_phone\_number`

--

ALTER TABLE `admin\_phone\_number`

  ADD PRIMARY KEY (`admin\_user\_id\_fk`,`admin\_phone\_number`);

--

-- Indexes for table `admin\_user`

--

ALTER TABLE `admin\_user`

  ADD PRIMARY KEY (`admin\_user\_id`);

--

-- Indexes for table `guest\_email`

--

ALTER TABLE `guest\_email`

  ADD PRIMARY KEY (`guest\_user\_id\_fk`,`guest\_email`);

--

-- Indexes for table `guest\_phone\_number`

--

ALTER TABLE `guest\_phone\_number`

  ADD PRIMARY KEY (`guest\_user\_id\_fk`,`guest\_phone\_number`);

--

-- Indexes for table `guest\_user`

--

ALTER TABLE `guest\_user`

  ADD PRIMARY KEY (`guest\_user\_id`);

--

-- Indexes for table `reservation`

--

ALTER TABLE `reservation`

  ADD PRIMARY KEY (`conf\_number`),

  ADD KEY `reservation\_ibfk\_1` (`guest\_user\_id\_fk`);

--

-- Indexes for table `reserve\_room`

--

ALTER TABLE `reserve\_room`

  ADD PRIMARY KEY (`conf\_number\_fk`,`room\_number\_fk`),

  ADD KEY `reserve\_room\_ibfk\_2` (`room\_number\_fk`);

--

-- Indexes for table `room`

--

ALTER TABLE `room`

  ADD PRIMARY KEY (`room\_number`);

--

-- Indexes for table `room\_images`

--

ALTER TABLE `room\_images`

  ADD PRIMARY KEY (`room\_number\_fk`,`room\_image`(255));

--

-- AUTO\_INCREMENT for dumped tables

--

--

-- AUTO\_INCREMENT for table `admin\_user`

--

ALTER TABLE `admin\_user`

  MODIFY `admin\_user\_id` int(20) UNSIGNED NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=3;

--

-- AUTO\_INCREMENT for table `guest\_user`

--

ALTER TABLE `guest\_user`

  MODIFY `guest\_user\_id` int(20) UNSIGNED NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=18;

--

-- AUTO\_INCREMENT for table `reservation`

--

ALTER TABLE `reservation`

  MODIFY `conf\_number` int(20) UNSIGNED NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=15;

--

-- Constraints for dumped tables

--

--

-- Constraints for table `admin\_email`

--

ALTER TABLE `admin\_email`

  ADD CONSTRAINT `admin\_email\_ibfk\_1` FOREIGN KEY (`admin\_user\_id\_fk`) REFERENCES `admin\_user` (`admin\_user\_id`) ON DELETE CASCADE;

--

-- Constraints for table `admin\_phone\_number`

--

ALTER TABLE `admin\_phone\_number`

  ADD CONSTRAINT `admin\_phone\_number\_ibfk\_1` FOREIGN KEY (`admin\_user\_id\_fk`) REFERENCES `admin\_user` (`admin\_user\_id`) ON DELETE CASCADE;

--

-- Constraints for table `guest\_email`

--

ALTER TABLE `guest\_email`

  ADD CONSTRAINT `guest\_email\_ibfk\_1` FOREIGN KEY (`guest\_user\_id\_fk`) REFERENCES `guest\_user` (`guest\_user\_id`) ON DELETE CASCADE;

--

-- Constraints for table `guest\_phone\_number`

--

ALTER TABLE `guest\_phone\_number`

  ADD CONSTRAINT `guest\_phone\_number\_ibfk\_1` FOREIGN KEY (`guest\_user\_id\_fk`) REFERENCES `guest\_user` (`guest\_user\_id`) ON DELETE CASCADE;

--

-- Constraints for table `reservation`

--

ALTER TABLE `reservation`

  ADD CONSTRAINT `reservation\_ibfk\_1` FOREIGN KEY (`guest\_user\_id\_fk`) REFERENCES `guest\_user` (`guest\_user\_id`) ON DELETE CASCADE;

--

-- Constraints for table `reserve\_room`

--

ALTER TABLE `reserve\_room`

  ADD CONSTRAINT `reserve\_room\_ibfk\_1` FOREIGN KEY (`conf\_number\_fk`) REFERENCES `reservation` (`conf\_number`) ON DELETE CASCADE,

  ADD CONSTRAINT `reserve\_room\_ibfk\_2` FOREIGN KEY (`room\_number\_fk`) REFERENCES `room` (`room\_number`) ON DELETE CASCADE;

--

-- Constraints for table `room\_images`

--

ALTER TABLE `room\_images`

  ADD CONSTRAINT `room\_images\_ibfk\_1` FOREIGN KEY (`room\_number\_fk`) REFERENCES `room` (`room\_number`) ON DELETE CASCADE;

COMMIT;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

## Source Code

### Admin

#### Add\_room.php

<?php

// Start the session

session\_start();

require('inc/essentials.php');

require('inc/db\_connect.php');

require('inc/db\_config.php');

adminLogin();

// Get the user data from the session

$user = $\_SESSION['user'];

// Check if the form has been submitted

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

    // Get the form data

    $room\_number = $\_POST['room\_number'];

    $price\_per\_night = $\_POST['price\_per\_night'];

    $availability = $\_POST['availability'];

    $room\_type = $\_POST['room\_type'];

    $max\_occupancy = $\_POST['max\_occupancy'];

    $room\_description = $\_POST['room\_description'];

    try {

        // Begin the transaction

        $pdo->beginTransaction();

        // Insert the room data into the 'room' table

        insert\_room\_data($pdo, $room\_number, $price\_per\_night, $availability, $room\_type, $max\_occupancy, $room\_description);

        // Get the room ID

        $room\_id = $room\_number;

        // Upload the room image(s) to the server and insert the file name(s) into the 'room\_images' table

        uploadRoomImages($pdo, $room\_number, $\_FILES['room\_image']);

        // Commit the transaction

        $pdo->commit();

        // Redirect to the success page

        header("Location: rooms.php");

        exit();

    } catch (PDOException $e) {

        // Roll back the transaction and display the error message

        $pdo->rollBack();

        echo "Error: " . $e->getMessage();

    }

    // Close the database connection

    $pdo = null;

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Panel - Rooms</title>

    <?php require('inc/links.php'); ?>

    <style>

        .nav-link {

            font-size: 14px;

        }

    </style>

</head>

<body class="bg-light">

    <?php require('inc/header.php'); ?>

    <div class="container mt-5">

        <div class="row justify-content-center">

            <div class="col-lg-6">

                <h3 class="text-center mb-4">Add New Room</h3>

                <form method="post" action="add\_room.php" enctype="multipart/form-data">

                    <div class="mb-3">

                        <label for="room\_number" class="form-label">Room Number</label>

                        <input type="number" class="form-control" id="room\_number" name="room\_number" required>

                    </div>

                    <div class="mb-3">

                        <label for="price\_per\_night" class="form-label">Price Per Night</label>

                        <input type="text" class="form-control" id="price\_per\_night" name="price\_per\_night" required>

                    </div>

                    <div class="mb-3">

                        <label for="availability" class="form-label">Availability</label>

                        <select class="form-select" id="availability" name="availability" required>

                            <option value="vacant">Vacant</option>

                            <option value="not available">Not Available</option>

                        </select>

                    </div>

                    <div class="mb-3">

                        <label for="room\_image" class="form-label">Room Image</label>

                        <input type="file" multiple class="form-control" id="room\_image" name="room\_image[]"

                            accept="image/\*" required>

                    </div>

                    <div class="mb-3">

                        <label for="room\_type" class="form-label">Room Type</label>

                        <input type="text" class="form-control" id="room\_type" name="room\_type" required>

                    </div>

                    <div class="mb-3">

                        <label for="max\_occupancy" class="form-label">Max Occupancy</label>

                        <input type="number" class="form-control" id="max\_occupancy" name="max\_occupancy" required>

                    </div>

                    <div class="mb-3">

                        <label for="room\_description" class="form-label">Room Description</label>

                        <textarea class="form-control" id="room\_description" name="room\_description"

                            required></textarea>

                    </div>

                    <button type="submit" class="btn btn-primary">Add Room</button>

                </form>

            </div>

        </div>

    </div>

    <?php require('inc/scripts.php'); ?>

</body>

</html>

#### Dashboard.php

<?php

// Start the session

session\_start();

require('inc/essentials.php');

adminLogin();

// Get the user data from the session

$user = $\_SESSION['user'];

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Panel - Dashboard</title>

    <?php require('inc/links.php'); ?>

    <style>

        .nav-link {

            font-size: 14px;

        }

    </style>

</head>

<body class="bg-light">

<?php require('inc/header.php')?>

    <div class="container-fluid" id="main-content">

        <div class="row">

            <div class="col-lg-10 ms-auto p-4 overflow-hidden">

                Lorem ipsum dolor sit amet consectetur, adipisicing elit. Assumenda doloribus fugiat exercitationem corrupti deleniti sapiente? Sunt hic ea nesciunt eius eum veritatis blanditiis cumque. Velit nobis repellendus, libero officiis accusantium modi quisquam laboriosam itaque, iste explicabo nostrum nesciunt earum! Laborum quasi et itaque cupiditate? Explicabo quisquam labore ipsam in nesciunt quia nobis aliquid asperiores quae voluptatibus hic eveniet consequuntur voluptates, facere veniam, nemo reiciendis magnam voluptate numquam amet facilis repellendus accusantium. Quaerat unde eligendi sequi amet et dolores accusamus excepturi totam maiores cum? Quas, asperiores, eius fuga soluta odit placeat eos doloremque, eveniet dicta vel ipsa? Exercitationem ea corrupti minima possimus facere, deserunt excepturi quia rerum? Suscipit, asperiores dolorem. Id, eius fugit. Odio fuga quam vero doloremque, earum sed animi alias provident neque necessitatibus consequatur voluptatem, ea omnis ducimus quos rerum exercitationem similique. Laboriosam ducimus ab consectetur eos corporis cum, officia quibusdam repellat accusamus nostrum? Nostrum facilis cupiditate nisi quam tenetur amet modi ullam? Perspiciatis beatae facere praesentium suscipit omnis dignissimos. Dolore quaerat quisquam ratione nulla, consectetur unde iste sit ducimus totam omnis facilis fugiat sunt labore. Tempora, cumque. Earum natus veritatis ipsum voluptates odit officia placeat facilis nam labore repellendus possimus repudiandae vel ratione quae quidem eum ipsa animi blanditiis, ab accusamus, harum iste eius laboriosam! Fugiat ex debitis provident reprehenderit itaque adipisci nesciunt animi suscipit magnam qui saepe quis reiciendis est consequatur, earum repellendus, illum veniam ad necessitatibus exercitationem eligendi. Aperiam modi esse deserunt velit iste? Vel officiis, explicabo delectus non eos, ut architecto illum vero neque et facere provident, sed aut sequi impedit quis blanditiis tempora rerum. Quos velit, unde necessitatibus inventore vel ipsam iste quam soluta totam autem accusamus hic, saepe harum! Dolore porro maxime nisi

            </div>

        </div>

    </div>

    <?php require('inc/scripts.php'); ?>

</body>

</html>

#### Delete\_room.php

<?php

// Start the session

session\_start();

require('inc/essentials.php');

require('inc/db\_connect.php');

require('inc/db\_config.php');

adminLogin();

// Get the user data from the session

$user = $\_SESSION['user'];

// Check if the room number is set

if(isset($\_GET['room\_number'])){

    // Get the room number from the URL

    $room\_number = $\_GET['room\_number'];

    // Delete the room from the database

    delete\_room($room\_number);

    // Redirect to the rooms page

    header('Location: rooms.php');

    exit();

}

?>

#### Edit\_room.php

<?php

// Start the session

session\_start();

require('inc/essentials.php');

require('inc/db\_connect.php');

require('inc/db\_config.php');

adminLogin();

// Get the user data from the session

$user = $\_SESSION['user'];

$action\_done = false;

if (isset($\_GET['room\_number'])) {

    $room\_number = $\_GET['room\_number'];

} elseif (isset($\_POST['room\_number'])) {

    $room\_number = $\_POST['room\_number'];

}

// Fetch the room information from the database

$room = getRoomData($pdo, $room\_number);

// Fetch the room images from the database

$room\_images = getRoomImages($pdo, $room\_number);

// Extract the values from the room array for use in the HTML form

$price\_per\_night = $room['price\_per\_night'];

$availability = $room['availability'];

$room\_type = $room['room\_type'];

$max\_occupancy = $room['max\_occupancy'];

$room\_description = $room['room\_description'];

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

    if (isset($\_POST["delete\_images"])) {

        deleteRoomImages($pdo, $room\_number, $\_POST["delete\_images"]);

    }

    // Get the form data

    $room\_number = $\_POST['room\_number'];

    $price\_per\_night = $\_POST['price\_per\_night'];

    $availability = $\_POST['availability'];

    $room\_type = $\_POST['room\_type'];

    $max\_occupancy = $\_POST['max\_occupancy'];

    $room\_description = $\_POST['room\_description'];

    try {

        // Begin the transaction

        $pdo->beginTransaction();

        // Edit the room data into the 'room' table

        // Get the room ID

        $room\_id = $room\_number;

        edit\_room($room\_number, $price\_per\_night, $room\_type, $max\_occupancy, $room\_description, $availability);

        if ($\_FILES['new\_images']['name'][0] == "") {

            echo "There are no images uploaded";

        } else {

            // Upload the room image(s) to the server and insert the file name(s) into the 'room\_images' table

            uploadRoomImages($pdo, $room\_number, $\_FILES['new\_images']);

        }

        // Commit the transaction

        $pdo->commit();

        // Redirect to the success page

        header("Location: rooms.php");

        exit();

    } catch (PDOException $e) {

        // Roll back the transaction and display the error message

        $pdo->rollBack();

        echo "Error: " . $e->getMessage();

    }

    // Close the database connection

    $pdo = null;

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Panel - Rooms</title>

    <?php require('inc/links.php'); ?>

    <style>

        .nav-link {

            font-size: 14px;

        }

    </style>

</head>

<body class="bg-light">

    <?php require('inc/header.php'); ?>

    <div class="container mt-5">

        <div class="row justify-content-center">

            <div class="col-lg-6">

                <h3 class="text-center mb-4">Edit Room <?php echo $room\_number; ?></h3>

                <form method="post" action="edit\_room.php" enctype="multipart/form-data">

                    <input type="hidden" name="room\_number" value="<?php echo $room\_number; ?>">

                    <div class="form-group">

                        <label for="price\_per\_night">Price per night</label>

                        <input type="text" class="form-control" id="price\_per\_night" name="price\_per\_night"

                            value="<?php echo $price\_per\_night; ?>">

                    </div>

                    <div class="form-group">

                        <label for="availability">Availability</label>

                        <select class="form-control" id="availability" name="availability">

                            <option value="vacant" <?php if ($availability == "vacant")

                                echo "selected"; ?>>Vacant

                            </option>

                            <option value="not available" <?php if ($availability == "not available")

                                echo "selected"; ?>>

                                Not Available</option>

                        </select>

                    </div>

                    <div class="form-group">

                        <label for="room\_type">Room type</label>

                        <input type="text" class="form-control" id="room\_type" name="room\_type"

                            value="<?php echo $room\_type; ?>">

                    </div>

                    <div class="form-group">

                        <label for="max\_occupancy">Max occupancy</label>

                        <input type="text" class="form-control" id="max\_occupancy" name="max\_occupancy"

                            value="<?php echo $max\_occupancy; ?>">

                    </div>

                    <div class="form-group">

                        <label for="room\_description">Room description</label>

                        <textarea class="form-control" id="room\_description" name="room\_description" rows="3">

                            <?php echo $room\_description; ?>

                        </textarea>

                    </div>

                    <div class="form-group">

                        <label for="existing\_images">Choose which images to delete</label>

                        <div id="existing\_images">

                            <?php foreach ($room\_images as $room\_image): ?>

                                <div class="existing-image">

                                    <input type="checkbox" name="delete\_images[]"

                                        value="<?php echo $room\_image['room\_image']; ?>">

                                    <img src="<?php echo 'uploads/' . $room\_image['room\_image']; ?>" class="img-thumbnail"

                                        width="200">

                                </div>

                            <?php endforeach; ?>

                        </div>

                    </div>

                    <div class="form-group">

                        <label for="new\_images">Choose which images to add</label>

                        <div id="new\_images">

                            <input type="file" name="new\_images[]" multiple>

                        </div>

                    </div>

                    <button type="submit" class="btn btn-primary">Save changes</button>

                </form>

            </div>

        </div>

    </div>

    <?php require('inc/scripts.php'); ?>

</body>

</html>

#### Index.php

<?php

require('inc/essentials.php');

require('inc/db\_config.php');

session\_start();

// Check if the user is logged in

if (isset($\_SESSION['user'])) {

    // If not, redirect to the login page

    redirect('dashboard.php');

    exit;

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Login Panel</title>

    <?php require('inc/links.php'); ?>

    <style>

        div.login-form {

            position: absolute;

            top: 50%;

            left: 50%;

            transform: translate(-50%, -50%);

            width: 400px;

        }

    </style>

</head>

<body class="bg-light">

    <div class="login-form text-center rounded bg-white example-shadow overflow-hidden">

        <form method="post" action="<?php echo htmlspecialchars($\_SERVER['PHP\_SELF']); ?>">

            <h4 class="bg-dark text-white py-3">

                Admin Login Panel

            </h4>

            <div class="p-4">

                <div class="mb-3">

                    <input name="admin-name" required type="text" class="form-control shadow-none text-center"

                        placeholder="Admin Name">

                </div>

                <div class="mb-4">

                    <input name="admin-pass" required type="password" class="form-control shadow-none text-center"

                        placeholder="Password">

                </div>

                <button name="login" type="submit" class="btn text-white custom-bg shadow-none">Login</button>

            </div>

        </form>

    </div>

</body>

</html>

<?php

require('inc/links.php');

include('inc/db\_connect.php');

// require('inc/essentials.php');

// Check for form submission

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

    // Get the form data

    $username = $\_POST['admin-name'];

    $password = $\_POST['admin-pass'];

    //calls a function to login admin to dashboard

    adminLoginDashboard($pdo, $username, $password);

}

include('inc/db\_close.php');

?>

#### Logout.php

<?php

require('inc/essentials.php');

// Start the session

session\_start();

// Destroy the session

session\_destroy();

// Redirect to the login page

header('Location: index.php');

exit;

?>

#### Rooms.php

<?php

// Start the session

session\_start();

require('inc/essentials.php');

require('inc/db\_connect.php');

require('inc/db\_config.php');

adminLogin();

// Get the user data from the session

$user = $\_SESSION['user'];

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Panel - Rooms</title>

    <?php require('inc/links.php'); ?>

    <style>

        .nav-link {

            font-size: 14px;

        }

    </style>

</head>

<body class="bg-light">

    <?php require('inc/header.php') ?>

    <div class="container-fluid" id="main-content">

        <div class="row">

            <div class="col-lg-10 ms-auto p-4 overflow-hidden">

                <h3 class="mb-4">Rooms</h3>

                <div class="row">

                    <div class="col-md-12">

                        <table class="table table-striped">

                            <thead>

                                <tr>

                                    <th>Room Number</th>

                                    <th>Price per Night</th>

                                    <th>Availability</th>

                                    <th>Room Type</th>

                                    <th>Max Occupancy</th>

                                    <th>Action</th>

                                </tr>

                            </thead>

                            <tbody>

                                <?php

                                // Query the database to get the list of rooms

                                $rooms = view\_rooms();

                                // Loop through the rooms and display them in the table

                                foreach ($rooms as $room) {

                                    echo '<tr>';

                                    echo '<td>' . $room['room\_number'] . '</td>';

                                    echo '<td>' . $room['price\_per\_night'] . '</td>';

                                    echo '<td>' . $room['availability'] . '</td>';

                                    echo '<td>' . $room['room\_type'] . '</td>';

                                    echo '<td>' . $room['max\_occupancy'] . '</td>';

                                    echo '<td>';

                                    echo '<a href="edit\_room.php?room\_number=' . $room['room\_number'] . '" class="btn btn-primary">Edit</a> ';

                                    echo '<a href="delete\_room.php?room\_number=' . $room['room\_number'] . '" class="btn btn-danger">Delete</a>';

                                    echo '</td>';

                                    echo '<tr>';

                                    echo '<td>';

                                    foreach ($room['images'] as $image) {

                                        echo '<img src="' . "uploads/" . $image . '" width="100">';

                                    }

                                    echo '</td>';

                                    echo '</tr>';

                                    echo '</tr>';

                                }

                                ?>

                            </tbody>

                        </table>

                    </div>

                </div>

                <div class="row">

                    <div class="col-md-12">

                        <a href="add\_room.php" class="btn btn-success">Add Room</a>

                    </div>

                </div>

            </div>

        </div>

    </div>

    <?php require('inc/scripts.php'); ?>

</body>

</html>

#### Common.css

:root {

    --teal: #2ec1ac;

    --teal\_hover: #279e8c;

}

\* {

    font-family: 'Poppins', sans-serif;

}

.h-font {

    font-family: 'Merienda', cursive;

}

/\* Chrome, Safari, Edge, Opera \*/

input::-webkit-outer-spin-button,

input::-webkit-inner-spin-button {

    -webkit-appearance: none;

    margin: 0;

}

/\* Firefox \*/

input[type=number] {

    -moz-appearance: textfield;

}

.custom-bg {

    background-color: var(--teal);

    border: 1px solid var(--teal);

}

.custom-bg:hover {

    background-color: var(--teal\_hover);

    border-color: var(--teal\_hover);

}

.h-line {

    width: 150px;

    margin: 0 auto;

    height: 1.7px;

}

.example-shadow {

    border: 1px solid;

    padding: 10px;

    box-shadow: 5px 10px 18px #888888;

}

.custom-alert {

    position: fixed;

    top: 25px;

    right: 25px;

}

#dashboard-menu {

    position: fixed;

    height: 100%;

}

@media screen and (max-width: 991px) {

    #dashboard-menu {

        height: auto;

        width: 100%;

    }

    #main-content {

        margin-top: 60px;

    }

}

#### Db\_close.php

<?php

// Close the PDO connection

 $pdo = null;

 echo "Database connection closed successfully.";

#### Db\_config.php

<?php

// Admin Model

function getAdminByUsername($pdo, $username)

{

    $query = "SELECT \* FROM admin\_user WHERE username = :username";

    $stmt = $pdo->prepare($query);

    $stmt->execute(array(':username' => $username));

    // Check if the current user is an admin

    if ($stmt->rowCount() == 0) {

        // The current user is not an admin

        die('Error: Inputted Username does not exist!');

    } else {

        $user = $stmt->fetch(PDO::FETCH\_ASSOC);

        return $user;

    }

}

function adminLoginDashboard($pdo, $username, $password)

{

    // Query the database for the user

    $user = getAdminByUsername($pdo, $username);

    // Check if the user exists and the password is correct

    if ($user && password\_verify($password, $user['password'])) {

        // Login successful, start a session and redirect to the dashboard

        session\_start();

        $\_SESSION['user'] = $user;

        $current\_user\_id = $user['admin\_user\_id'];

        $\_SESSION['user\_id'] = $current\_user\_id; // Replace with the current user's ID

        echo "Password Works!";

        redirect('dashboard.php');

        // header('Location: dashboard.php');

        exit;

    } else {

        // Login failed, display an error message

        alert('error', 'Login failed - wrong password!');

    }

}

// Room model

function insert\_room\_data($pdo, $room\_number, $price\_per\_night, $availability, $room\_type, $max\_occupancy, $room\_description) {

    $stmt = $pdo->prepare("INSERT INTO room (room\_number, price\_per\_night, availability, room\_type, max\_occupancy, room\_description)

                            VALUES (:room\_number, :price\_per\_night, :availability, :room\_type, :max\_occupancy, :room\_description)");

    $stmt->bindParam(':room\_number', $room\_number);

    $stmt->bindParam(':price\_per\_night', $price\_per\_night);

    $stmt->bindParam(':availability', $availability);

    $stmt->bindParam(':room\_type', $room\_type);

    $stmt->bindParam(':max\_occupancy', $max\_occupancy);

    $stmt->bindParam(':room\_description', $room\_description);

    $stmt->execute();

    return $stmt;

}

function delete\_room($room\_number)

{

    global $pdo;

    $stmt = $pdo->prepare("DELETE FROM room WHERE room\_number = :room\_number");

    $stmt->bindParam(':room\_number', $room\_number);

    $stmt->execute();

    return true;

}

function edit\_room($room\_number, $price\_per\_night, $room\_type, $max\_occupancy, $room\_description, $availability)

{

    global $pdo;

    $stmt = $pdo->prepare("UPDATE room SET price\_per\_night = :price\_per\_night, availability = :availability, room\_type = :room\_type, max\_occupancy = :max\_occupancy, room\_description = :room\_description WHERE room\_number = :room\_number");

    $stmt->bindParam(':room\_number', $room\_number);

    $stmt->bindParam(':price\_per\_night', $price\_per\_night);

    $stmt->bindParam(':availability', $availability);

    $stmt->bindParam(':room\_type', $room\_type);

    $stmt->bindParam(':max\_occupancy', $max\_occupancy);

    $stmt->bindParam(':room\_description', $room\_description);

    $stmt->execute();

    return true;

}

function view\_rooms()

{

    global $pdo;

    $stmt = $pdo->query("SELECT \* FROM room");

    $rooms = $stmt->fetchAll(PDO::FETCH\_ASSOC);

    // Loop through the rooms and fetch the corresponding images

    foreach ($rooms as &$room) {

        $stmt = $pdo->prepare("SELECT room\_image FROM room\_images WHERE room\_number\_fk = ?");

        $stmt->execute([$room['room\_number']]);

        $images = $stmt->fetchAll(PDO::FETCH\_COLUMN);

        // Add the images to the room data

        $room['images'] = $images;

    }

    return $rooms;

}

function getRoomData($pdo, $room\_number) {

  $stmt = $pdo->prepare("SELECT \* FROM room WHERE room\_number = :room\_number");

  $stmt->bindParam(':room\_number', $room\_number, PDO::PARAM\_INT);

  $stmt->execute();

  $room = $stmt->fetch(PDO::FETCH\_ASSOC);

  return $room;

}

function getRoomImages($pdo, $room\_number) {

  $stmt = $pdo->prepare("SELECT \* FROM room\_images WHERE room\_number\_fk = :room\_number");

  $stmt->bindParam(':room\_number', $room\_number, PDO::PARAM\_INT);

  $stmt->execute();

  $room\_images = $stmt->fetchAll(PDO::FETCH\_ASSOC);

  return $room\_images;

}

function deleteRoomImages($pdo, $room\_number, $delete\_images) {

  foreach ($delete\_images as $delete\_image) {

      // Delete the image file from the server

      $filename = "uploads/" . $delete\_image;

      if (file\_exists($filename)) {

          unlink($filename);

      }

      // Delete the image record from the database

      $stmt = $pdo->prepare("DELETE FROM room\_images WHERE room\_number\_fk = :room\_number AND room\_image = :room\_image");

      $stmt->bindParam(':room\_number', $room\_number, PDO::PARAM\_INT);

      $stmt->bindParam(':room\_image', $delete\_image, PDO::PARAM\_STR);

      $stmt->execute();

  }

}

function uploadRoomImages($pdo, $room\_number, $new\_images) {

  $allowed\_types = array('jpg', 'jpeg', 'png', 'gif');

  $room\_id = $room\_number;

  $total = count($new\_images['name']);

  for ($i = 0; $i < $total; $i++) {

      $room\_image = $new\_images['name'][$i];

      $tmp\_name = $new\_images['tmp\_name'][$i];

      $file\_ext = strtolower(end(explode('.', $room\_image)));

      if (in\_array($file\_ext, $allowed\_types) === false) {

          echo "Only images with extensions jpg, jpeg, png and gif are allowed.";

          exit();

      }

      $new\_file\_name = uniqid('', true) . '.' . $file\_ext;

      // Move the uploaded file to the server

      $upload\_dir = "uploads/";

      $target\_file = $upload\_dir . $new\_file\_name;

      if (move\_uploaded\_file($tmp\_name, $target\_file)) {

          echo "File $new\_file\_name uploaded successfully.<br>";

      } else {

          echo "File upload failed.<br>";

      }

      // Insert the file name into the 'room\_images' table

      $stmt = $pdo->prepare("INSERT INTO room\_images (room\_number\_fk, room\_image)

                              VALUES (:room\_id, :room\_image)");

      $stmt->bindParam(':room\_id', $room\_id);

      $stmt->bindParam(':room\_image', $new\_file\_name);

      $stmt->execute();

  }

}

// User Information

function initializeVariables() {

    global $first\_name, $middle\_name, $last\_name, $password, $username, $apt\_number, $street\_number, $street\_name, $user\_picture;

    global $guest\_phone\_number, $guest\_email, $errors;

    $first\_name = $middle\_name = $last\_name = $password = $username = $apt\_number = $street\_number = $street\_name = $user\_picture = "";

    $guest\_phone\_number = $guest\_email = "";

    $errors = array();

  }

  function validateInputFields(&$errors, $post) {

    $first\_name = trim($post["first\_name"]);

    if (empty($first\_name)) {

        array\_push($errors, "First name is required");

    }

    $middle\_name = trim($post["middle\_name"]);

    $last\_name = trim($post["last\_name"]);

    if (empty($last\_name)) {

        array\_push($errors, "Last name is required");

    }

    $password = password\_hash(trim($post["password"]), PASSWORD\_DEFAULT);

    $username = trim($post["username"]);

    if (empty($username)) {

        array\_push($errors, "Username is required");

    }

    $apt\_number = trim($post["apt\_number"]);

    if (empty($apt\_number)) {

        array\_push($errors, "Apartment number is required");

    }

    $street\_number = trim($post["street\_number"]);

    if (empty($street\_number)) {

        array\_push($errors, "Street number is required");

    }

    $street\_name = trim($post["street\_name"]);

    if (empty($street\_name)) {

        array\_push($errors, "Street name is required");

    }

    return $errors;

}

  function process\_user\_picture(&$errors, &$user\_picture) {

    // Process optional user picture

    if ($\_FILES["user\_picture"]["name"] != "") {

        $target\_dir = "uploads/";

        $room\_image = $\_FILES["user\_picture"]['name'];

        $imageFileType = strtolower(end(explode('.', $room\_image)));

        $allowed\_types = array("jpg", "jpeg", "png", "gif");

        if (in\_array($imageFileType, $allowed\_types)) {

            $new\_file\_name = uniqid('', true) . '.' . $imageFileType;

            $target\_file = $target\_dir . $new\_file\_name;

            if (move\_uploaded\_file($\_FILES["user\_picture"]["tmp\_name"], $target\_file)) {

                $user\_picture = $target\_file;

            } else {

                array\_push($errors, "Error uploading file");

            }

        } else {

            array\_push($errors, "File type not allowed");

        }

    }

}

?>

#### Db\_connect.php

<?php

// Connect to the database using PDO

$db\_host = 'localhost';

$db\_user = 'rafaelhidalgo';

$db\_pass = 'rafaelhidalgopass';

$db\_name = 'rafaelhidalgodatabase';

try {

  $pdo = new PDO("mysql:host=$db\_host;dbname=$db\_name", $db\_user, $db\_pass);

  $pdo->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

  // echo "Database connected successfully.";

} catch(PDOException $e) {

  die("Connection failed: " . $e->getMessage());

}

#### Essentials.php

<?php

function adminLogin()

{

    // Check if the user is logged in

    // session\_start();

    if (!isset($\_SESSION['user'])) {

        // If not, redirect to the login page

        redirect('index.php');

        // exit;

    }

    session\_regenerate\_id(true);

}

function redirect($url){

    header('Location: '. $url);

}

function alert($type, $msg)

{

    $bs\_class = ($type == "success") ? "alert-success" : "alert-danger";

    echo <<<alert

    <div class="alert $bs\_class alert-dismissible fade show custom-alert" role="alert">

     <strong class="me-3">$msg</strong>

     <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>

    </div>

alert;

}

?>

#### Header.php

<div class="container-fluid bg-dark text-light p-3 d-flex align-items-center justify-content-between sticky-top">

    <a href="../index.php"><h3 class="mb-0 h-font">RH Hotel</h3></a>

    <h1 class="mb-0 h-font">Welcome,

        <?php echo $user['first\_name']; ?>!

    </h1>

    <a href="logout.php" class="btn btn-light btn-sm">Log Out</a>

</div>

<div class="col-lg-2 bg-dark border-top border-3 border-secondary" id="dashboard-menu">

    <nav class="navbar navbar-expand-lg navbar-dark">

        <div class="container-fluid flex-lg-column align-items-stretch">

            <h4 class="mt-2 text-light">Admin Panel<h4>

                    <button class="navbar-toggler shadow-none" type="button" data-bs-toggle="collapse"

                        data-bs-target="#adminDropdown" aria-controls="navbarNav" aria-expanded="false"

                        aria-label="Toggle navigation">

                        <span class="navbar-toggler-icon"></span>

                    </button>

                    <div class="collapse navbar-collapse flex-column align-items-stretch mt-2" id="adminDropdown">

                        <ul class="nav nav-pills flex-column">

                            <li class="nav-item">

                                <a class="nav-link text-white

                                    " href="dashboard.php">Dashboard</a>

                            </li>

                            <li class="nav-item">

                                <a class="nav-link text-white

                                    " href="rooms.php">Rooms</a>

                            </li>

                            <!-- <li class="nav-item">

                                <a class="nav-link text-white

                                    " href="#">Users</a>

                            </li>

                            <li class="nav-item">

                                <a class="nav-link text-white

                                    " href="#">Settings</a>

                            </li> -->

                        </ul>

                    </div>

        </div>

    </nav>

</div>

#### Links.php

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

<link href="https://fonts.googleapis.com/css2?family=Merienda:wght@400;700&family=Poppins:wght@400;500;600&display=swap"

    rel="stylesheet">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.3/font/bootstrap-icons.css">

<link rel="stylesheet" href="css/common.css" />

#### Scripts.php

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"

        crossorigin="anonymous"></script>

### Guest

#### Login.php

<?php

require('inc/essentials.php');

require('inc/db\_config.php');

session\_start();

// Check if the user is logged in

if (isset($\_SESSION['guest\_user'])) {

    // If not, redirect to the login page

    redirect('index.php');

    exit;

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Login Panel</title>

    <?php require('inc/links.php'); ?>

    <style>

        div.login-form {

            position: absolute;

            top: 50%;

            left: 50%;

            transform: translate(-50%, -50%);

            width: 400px;

        }

    </style>

</head>

<body class="bg-light">

    <div class="login-form text-center rounded bg-white example-shadow overflow-hidden">

        <form method="post" action="<?php echo htmlspecialchars($\_SERVER['PHP\_SELF']); ?>">

            <h4 class="bg-dark text-white py-3">

                Login Panel

            </h4>

            <h3 class="bg-dark text-white py-3">

                Please Login Prior to room booking

            </h3>

            <div class="p-4">

                <div class="mb-3">

                    <input name="guest-name" required type="text" class="form-control shadow-none text-center"

                        placeholder="Guest Name">

                </div>

                <div class="mb-4">

                    <input name="guest-pass" required type="password" class="form-control shadow-none text-center"

                        placeholder="Password">

                </div>

                <button name="login" type="submit" class="btn text-white custom-bg shadow-none">Login</button>

                <a href="index.php" class="btn text-white custom-bg shadow-none">Go Home</a>

            </div>

        </form>

    </div>

</body>

</html>

<?php

require('inc/links.php');

include('inc/db\_connect.php');

// require('inc/essentials.php');

// Check for form submission

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

    // Get the form data

    $username = $\_POST['guest-name'];

    $password = $\_POST['guest-pass'];

    //calls a function to login admin to dashboard

    guestLoginDashboard($pdo, $username, $password);

}

include('inc/db\_close.php');

?>

#### Logout.php

<?php

require('inc/essentials.php');

// Start the session

session\_start();

// Destroy the session

session\_destroy();

// Redirect to the login page

header('Location: index.php');

exit;

?>

#### Register.php

<?php

// Connect to the database using PDO

require('inc/header.php');

// Initialize variables

global $first\_name, $middle\_name, $last\_name, $password, $username, $apt\_number, $street\_number, $street\_name, $user\_picture, $city, $zip\_code, $state, $country;

global $guest\_phone\_number, $guest\_email, $errors;

$first\_name = $middle\_name = $last\_name = $password = $username = $apt\_number = $street\_number = $street\_name = $user\_picture = $city = $zip\_code = $state = $country = "";

$guest\_phone\_number = $guest\_email = "";

$errors = array();

// Process form submission

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

    // Validate input fields

    $input\_fields = $\_POST;

    validateInputFields($errors, $input\_fields);

    // Process optional user picture

    process\_user\_picture($errors, $user\_picture);

    // Validate guest phone number and email fields

    validate\_contact\_info($errors, $input\_fields);

    // Insert data into database if no errors

    if (count($errors) == 0) {

        try {

            // Prepare and execute SQL statement to insert new guest user

            // Get the ID of the newly inserted guest user

            $guest\_user\_id = insertGuestUser($pdo, $first\_name, $middle\_name, $last\_name, $password, $username, $apt\_number, $street\_number, $street\_name, $user\_picture, $city, $zip\_code, $state, $country);

            // Insert guest user phone number if provided

            if (!empty($guest\_phone\_number)) {

                insertGuestUserPhoneNumber($pdo, $guest\_user\_id, $guest\_phone\_number);

            }

            // Insert guest user email if provided

            if (!empty($guest\_email)) {

                insertGuestUserEmail($pdo, $guest\_user\_id, $guest\_email);

            }

            // Redirect to success page

            header("Location: login.php");

            exit();

        } catch (PDOException $e) {

            die("Error: " . $e->getMessage());

        }

    } else {

        // Display errors if any

        foreach ($errors as $error) {

            echo $error . "<br>";

        }

    }

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Admin Panel - Rooms</title>

    <?php require('inc/links.php'); ?>

    <style>

        .nav-link {

            font-size: 14px;

        }

    </style>

</head>

<body class="bg-light">

    <div class="container mt-5">

        <div class="row justify-content-center">

            <div class="col-lg-6">

                <h3 class="text-center mb-4">Registration Page</h3>

                <form method="post" action="register.php" enctype="multipart/form-data">

                    <form method="post" enctype="multipart/form-data">

                        <div class="mb-3">

                            <label for="first\_name">First Name:</label>

                            <input type="text" class="form-control" name="first\_name" id="first\_name" required>

                        </div>

                        <div class="mb-3">

                            <label for="middle\_name">Middle Name:</label>

                            <input type="text" class="form-control" name="middle\_name" id="middle\_name">

                        </div>

                        <div class="mb-3">

                            <label for="last\_name">Last Name:</label>

                            <input type="text" class="form-control" name="last\_name" id="last\_name" required>

                        </div>

                        <div class="mb-3">

                            <label for="username">Username:</label>

                            <input type="text" class="form-control" name="username" id="username" required>

                        </div>

                        <div class="mb-3">

                            <label for="password">Password:</label>

                            <input type="password" class="form-control" name="password" id="password" required>

                        </div>

                        <div class="mb-3">

                            <label for="apt\_number">Apartment Number:</label>

                            <input type="text" class="form-control" name="apt\_number" id="apt\_number" required>

                        </div>

                        <div class="mb-3">

                            <label for="street\_number">Street Number:</label>

                            <input type="text" class="form-control" name="street\_number" id="street\_number" required>

                        </div>

                        <div class="mb-3">

                            <label for="street\_name">Street Name:</label>

                            <input type="text" class="form-control" name="street\_name" id="street\_name" required>

                        </div>

                        <div class="mb-3">

                            <label for="city">City:</label>

                            <input type="text" class="form-control" name="city" id="city" required>

                        </div>

                        <div class="mb-3">

                            <label for="zip\_code">Zip Code:</label>

                            <input type="text" class="form-control" name="zip\_code" id="zip\_code" required>

                        </div>

                        <div class="mb-3">

                            <label for="state">State:</label>

                            <input type="text" class="form-control" name="state" id="state" required>

                        </div>

                        <div class="mb-3">

                            <label for="country">Country:</label>

                            <input type="text" class="form-control" name="country" id="country" required>

                        </div>

                        <div class="mb-3">

                            <label for="user\_picture">User Picture:</label>

                            <input type="file" class="form-control" name="user\_picture" id="user\_picture">

                        </div>

                        <div class="mb-3">

                            <label for="guest\_phone\_number">Guest Phone Number:</label>

                            <input type="tel" class="form-control" name="guest\_phone\_number" id="guest\_phone\_number"

                                pattern="[0-9]{10}">

                        </div>

                        <div class="mb-3">

                            <label for="guest\_email">Guest Email:</label>

                            <input type="email" class="form-control" name="guest\_email" id="guest\_email">

                        </div>

                        <button type="submit" class="btn btn-primary">Submit</button>

                    </form>

                </form>

            </div>

        </div>

    </div>

    <?php require 'inc/footer.php'; ?>

</body>

</html>

#### Search.php

<?php

require('inc/header.php');

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

    // Get the search criteria from the form

    $search\_email = $\_POST['search\_email'];

    $search\_conf\_number = $\_POST['search\_conf\_number'];

    // Perform the search

    if (!empty($search\_email)) {

        // Search by email

        $stmt = $pdo->prepare('SELECT \* FROM reservation WHERE guest\_user\_id\_fk IN (SELECT guest\_user\_id\_fk FROM guest\_email WHERE guest\_email = :search\_email)');

        $stmt->bindParam(':search\_email', $search\_email);

        $stmt->execute();

        $reservations = $stmt->fetchAll(PDO::FETCH\_ASSOC);

        $stmt = $pdo->prepare('SELECT room\_number\_fk FROM reserve\_room WHERE conf\_number\_fk IN (SELECT conf\_number FROM reservation WHERE guest\_user\_id\_fk IN (SELECT guest\_user\_id\_fk FROM guest\_email WHERE guest\_email = :search\_email))');

        $stmt->bindParam(':search\_email', $search\_email);

        $stmt->execute();

        $room\_number = $stmt->fetchAll(PDO::FETCH\_ASSOC);

    } else if (!empty($search\_conf\_number)) {

        // Search by confirmation number

        $stmt = $pdo->prepare('SELECT \* FROM reservation WHERE conf\_number = :search\_conf\_number');

        $stmt->bindParam(':search\_conf\_number', $search\_conf\_number);

        $stmt->execute();

        $reservations = $stmt->fetchAll(PDO::FETCH\_ASSOC);

        $stmt = $pdo->prepare('SELECT room\_number\_fk FROM reserve\_room WHERE conf\_number\_fk = :search\_conf\_number');

        $stmt->bindParam(':search\_conf\_number', $search\_conf\_number);

        $stmt->execute();

        $room\_number = $stmt->fetchAll(PDO::FETCH\_ASSOC);

    } else {

        // No search criteria provided

        echo 'Please provide a search criteria.';

        exit;

    }

    // $stmt->execute();

    // $reservations = $stmt->fetchAll(PDO::FETCH\_ASSOC);

    // Display the results

    if (count($reservations) == 0) {

        echo 'No reservations found.';

    } else {

        echo '<style>table { text-align: center; }</style>';

        echo '<style>th { padding: 10px; }</style>';

        echo '<style>td { padding: 10px; }</style>';

        echo '<table>';

        echo '<tr><th>Confirmation number</th><th>Room Number</th><th>Check-in date</th><th>Check-out date</th><th>Total cost</th></tr>';

        foreach ($reservations as $index => $reservation) {

            echo '<tr>';

            echo '<td>' . $reservation['conf\_number'] . '</td>';

            echo '<td>' . $room\_number[$index]['room\_number\_fk'] . '</td>';

            echo '<td>' . $reservation['ck\_in\_date'] . '</td>';

            echo '<td>' . $reservation['ck\_out\_date'] . '</td>';

            echo '<td>' . $reservation['total\_cost'] . '</td>';

            echo '</tr>';

        }

        echo '</table>';

    }

}

?>

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->

<!--[if gt IE 8]>      <html class="no-js"> <![endif]-->

<html>

<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel - Rooms</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body class="bg-light">

    <h1>Search for Reservation</h1>

    <form action="search.php" method="POST">

        <label for="search\_email">Search by email:</label>

        <input type="text" name="search\_email" id="search\_email">

        <label for="search\_conf\_number">Search by confirmation number:</label>

        <input type="text" name="search\_conf\_number" id="search\_conf\_number">

        <input type="submit" value="Search">

    </form>

</body>

</html>

#### Localtravel.php

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->

<!--[if gt IE 8]>      <html class="no-js"> <![endif]-->

<html>

<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel - Rooms</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body>

    <?php require 'inc/header.php'; ?>

    <header>

        <h1 class="h-font" style="text-align:center">Enjoy Our City</h1>

    </header>

    <main>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/hike.jpg" class="img-fluid rounded">

                </div>

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Take a hike!</h5>

                    <div class="features mb-3">

                        <p>

                            Our hiking tours offer breathtaking views of the surrounding mountains and valleys. Whether

                            you are a seasoned hiker or just starting out, our experienced guides will lead you on a

                            safe and exhilarating adventure. Take in the fresh air and natural beauty while learning

                            about the local flora and fauna. Our tours range from easy to challenging, so there is

                            something for everyone. Come explore the great outdoors with us!

                        </p>

                    </div>

                </div>

            </div>

        </div>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Enjoy the city!</h5>

                    <div class="features mb-3">

                        <p>

                            Discover the hidden gems of our city with our guided tours. From historic landmarks to

                            modern attractions, our tours offer a unique perspective on the city's culture and history.

                            Our knowledgeable guides will take you on a journey through time, sharing stories and

                            anecdotes along the way. Experience the local cuisine, music, and art scene as you explore

                            the vibrant neighborhoods that make our city so special. Let us show you the sights and

                            sounds of our beloved city.

                        </p>

                    </div>

                </div>

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/city.jpg" class="img-fluid rounded">

                </div>

            </div>

        </div>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/museum.jpg" class="img-fluid rounded">

                </div>

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Take a trip to the museum!</h5>

                    <div class="features mb-3">

                        <p>

                            Explore the world of art, science, and history with our museum tour. Our curated tour

                            offers a fascinating look at the exhibits and collections at oue city's renowned museum.

                            From ancient artifacts to contemporary masterpieces, our tour covers a

                            wide range of topics and interests. Our expert guides will provide context and insight,

                            bringing the exhibits to life and making the experience unforgettable. Whether you are a

                            lifelong museum-goer or a first-time visitor, our tour is sure to delight and inspire.

                        </p>

                    </div>

                </div>

            </div>

        </div>

    </main>

    <?php require 'inc/footer.php'; ?>

</body>

</html>

#### Fine\_dining.php

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->

<!--[if gt IE 8]>      <html class="no-js"> <![endif]-->

<html>

<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel - Rooms</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body>

    <?php require 'inc/header.php'; ?>

    <header>

        <h1 class="h-font" style="text-align:center">Enjoy our Fine Dining!</h1>

    </header>

    <main>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/food.jpg" class="img-fluid rounded">

                </div>

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Enjoy Our Food!</h5>

                    <div class="features mb-3">

                        <p>

                            At our fine dining restaurant, we pride ourselves on serving only the highest quality dishes

                            prepared with the freshest ingredients. Our menu is carefully crafted to satisfy even the

                            most discerning palate. From succulent steak to delicate seafood, our culinary team has

                            created an experience that will leave you craving more.

                        </p>

                    </div>

                </div>

            </div>

        </div>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Enjoy Our Drinks!</h5>

                    <div class="features mb-3">

                        <p>

                            Pair your meal with one of our expertly crafted cocktails or choose from our extensive wine

                            list. Our bartenders are skilled at creating classic cocktails as well as inventive new

                            drinks, using only the finest ingredients. Whether you prefer a bold red wine or a

                            refreshing craft beer, we have a drink to satisfy your taste.

                        </p>

                    </div>

                </div>

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/drinks.jpg" class="img-fluid rounded">

                </div>

            </div>

        </div>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/dj.jpg" class="img-fluid rounded">

                </div>

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Vibe with our Nightly DJ!</h5>

                    <div class="features mb-3">

                        <p>

                            As the evening wears on, our fine dining restaurant transforms into a sophisticated

                            nightlife destination. Our nightly DJ creates an electric atmosphere, playing the latest

                            hits and classic tunes that will keep you dancing all night long. So whether you're looking

                            for a romantic dinner or a night out with friends, our restaurant offers the perfect

                            combination of fine dining and entertainment.

                        </p>

                    </div>

                </div>

            </div>

        </div>

    </main>

    <?php require 'inc/footer.php'; ?>

</body>

</html>

#### Facilities.php

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->

<!--[if gt IE 8]>      <html class="no-js"> <![endif]-->

<html>

<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel - Rooms</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body>

    <?php require 'inc/header.php'; ?>

    <header>

        <h1 class="h-font" style="text-align:center">Enjoy Our Facilities</h1>

    </header>

    <main>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/pool.jpg" class="img-fluid rounded">

                </div>

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Enjoy Our Pool!</h5>

                    <div class="features mb-3">

                        <p>

                            Cool off and relax by our outdoor swimming pool. We provide pool towels and lounge chairs

                            for our guests.

                        </p>

                    </div>

                </div>

            </div>

        </div>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Play in the Casino!</h5>

                    <div class="features mb-3">

                        <p>

                            All work and no play makes Jack a dull boy. Show Jack how play is really done at our casino!

                        </p>

                    </div>

                </div>

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/casino.jpg" class="img-fluid rounded">

                </div>

            </div>

        </div>

        <div class="card mb-4 border-0 example-shadow">

            <div class="row g-0 p-3 align-items-center">

                <div class="col-md-6 mb-lg-0 mb-md-0 mb-3">

                    <img src="uploads/spa.jpg" class="img-fluid rounded">

                </div>

                <div class="col-md-6 px-lg-3 px-md-3 px-0">

                    <h5 class="mb-3">Relax at the Spa!</h5>

                    <div class="features mb-3">

                        <p>

                            Pamper yourself with our spa services, which include massages, facials, and body treatments.

                            Our

                            experienced staff will ensure that you leave feeling refreshed and rejuvenated.

                        </p>

                    </div>

                </div>

            </div>

        </div>

    </main>

    <?php require 'inc/footer.php'; ?>

</body>

</html>

#### Confirmation.php

<?php

require('inc/header.php');

guestLogin();

// Get the confirmation number from the last inserted row

$confirmation\_number = $\_GET['confirmation\_number'];

// Get the booked room details

$room\_number = $\_GET['room\_number'];

$check\_in\_date = $\_GET['check\_in\_date'];

$check\_out\_date = $\_GET['check\_out\_date'];

$room = getRoomDetails($pdo, $room\_number);

// Calculate the total cost

$total\_cost = calculateTotalCost($pdo, $room\_number, $check\_in\_date, $check\_out\_date);

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>Booking Confirmation</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

</head>

<body>

    <div class="container mt-5">

        <h1>Booking Confirmation</h1>

        <hr>

        <div class="row">

            <div class="col-md-6">

                <h3>Booking Details</h3>

                <p><strong>Room Number:</strong> <?php echo $room\_number; ?></p>

                <p><strong>Room Type:</strong> <?php echo $room['room\_type']; ?></p>

                <p><strong>Check-in Date:</strong> <?php echo date('m-d-Y', strtotime($check\_in\_date)); ?></p>

                <p><strong>Check-out Date:</strong> <?php echo date('m-d-Y', strtotime($check\_out\_date)); ?></p>

                <p><strong>Number of Adults:</strong> <?php echo $\_GET['num\_adults']; ?></p>

                <p><strong>Number of Children:</strong> <?php echo $\_GET['num\_children']; ?></p>

            </div>

            <div class="col-md-6">

                <h3>Payment Details</h3>

                <p><strong>Total Cost:</strong> $<?php echo $total\_cost; ?></p>

                <p><strong>Confirmation Number:</strong> <?php echo $confirmation\_number; ?></p>

                <p><strong>Payment Method:</strong> Credit Card</p>

            </div>

            <div class="col-md-6">

                <h3>Billing Address</h3>

                <p><strong>Apt Number:</strong> <?php echo $\_SESSION['apt\_number']; ?></p>

                <p><strong>Street Address:</strong> <?php echo $\_SESSION['street\_number'] . " " .  $\_SESSION['street\_name']; ?></p>

                <p><strong>City:</strong> <?php echo $\_SESSION['city']; ?></p>

                <p><strong>State:</strong> <?php echo $\_SESSION['state']; ?></p>

                <p><strong>Zip Code:</strong> <?php echo $\_SESSION['zip\_code']; ?></p>

                <p><strong>Country:</strong> <?php echo  $\_SESSION['country']; ?></p>

            </div>

        </div>

        <div class="row mt-5">

            <div class="col-md-12 text-center">

                <p>Thank you for booking with us!</p>

                <a href="index.php" class="btn btn-primary">Back to Home</a>

            </div>

        </div>

    </div>

    <?php require 'inc/footer.php';?>

</body>

</html>

#### Booking.php

<?php

require('inc/header.php');

guestLogin();

// Get the room number, check-in date, and check-out date from the query string

$room\_number = $\_GET['room\_number'];

$check\_in\_date = $\_GET['check\_in\_date'];

$check\_out\_date = $\_GET['check\_out\_date'];

// Get room details and image

$room = getRoomDetails($pdo, $\_GET['room\_number']);

$total\_cost = calculateTotalCost($pdo, $room\_number, $check\_in\_date, $check\_out\_date);

// Handle form submission

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

    // Get the number of adults and children from the form

    $num\_adults = $\_POST['num\_adults'];

    $num\_children = $\_POST['num\_children'];

    // Book the room

    try {

        $confirmation\_number = bookRooms($\_SESSION['guest\_user']['guest\_user\_id'], [$room\_number], $num\_adults, $num\_children, $check\_in\_date, $check\_out\_date, $pdo);

        // Redirect to the confirmation page

        $url = "confirmation.php?room\_number=$room\_number&check\_in\_date=$check\_in\_date&check\_out\_date=$check\_out\_date&confirmation\_number=$confirmation\_number&num\_adults=$num\_adults&num\_children=$num\_children";

        header("Location: $url");

        exit;

    } catch (Exception $e) {

        // Handle the error

        $error = $e->getMessage();

    }

}

?>

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->

<!--[if gt IE 8]>      <html class="no-js"> <![endif]-->

<html>

<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel - Rooms</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body class="bg-light">

    <h1>Book Room

        <?php echo $room['room\_number']; ?>

    </h1>

    <?php if (isset($error)): ?>

        <div class="alert alert-danger">

            <?php echo $error; ?>

        </div>

    <?php endif; ?>

    <form method="POST">

        <?php

        foreach ($room['images'] as $image) {

            echo '<img src="' . "admin/uploads/" . $image . '" width="500">';

        }

        ?>

        <div class="form-group">

            <label for="num\_adults">Number of Adults</label>

            <input type="number" class="form-control" name="num\_adults" id="num\_adults" value="1" min="1" required>

        </div>

        <div class="form-group">

            <label for="num\_children">Number of Children</label>

            <input type="number" class="form-control" name="num\_children" id="num\_children" value="0" min="0" required>

        </div>

        <div class="form-group">

            <label for="check\_in\_date">Check-in Date</label>

            <p class="form-control-static">

                <?php echo date('m-d-Y', strtotime($check\_in\_date)); ?>

            </p>

        </div>

        <div class="form-group">

            <label for="check\_out\_date">Check-out Date</label>

            <p class="form-control-static">

                <?php echo date('m-d-Y', strtotime($check\_out\_date)); ?>

            </p>

        </div>

        <h3 class="text-center mb-4">Total Cost: $

            <?php echo $total\_cost; ?>

        </h3>

        <button type="submit" class="btn btn-primary">Book Now</button>

    </form>

    <?php require('inc/footer.php'); ?>

</body>

</html>

#### Index.php

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->

<!--[if gt IE 8]>      <html class="no-js"> <![endif]-->

<html>

<head>

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    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php');?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body class="bg-light">

    <!--[if lt IE 7]>

            <p class="browsehappy">You are using an <strong>outdated</strong> browser. Please <a href="#">upgrade your browser</a> to improve your experience.</p>

        <![endif]-->

    <?php require 'inc/header.php';?>

    <!-- carousel -->

    <div class="container-fluid px-lg-4 mt-4">

        <div class="swiper swiper-container">

            <div class="swiper-wrapper" style="height: 15em;">

                <div class="swiper-slide">

                    <img src="images/carousel/1.jpg" class="h-100 w-100 d-block">

                </div>

                <div class="swiper-slide">

                    <img src="images/carousel/2.jpg" class="h-100 w-100 d-block">

                </div>

                <div class="swiper-slide">

                    <img src="images/carousel/3.jpg" class="h-100 w-100 d-block">

                </div>

            </div>

        </div>

    </div>

    <!-- Our Amenities -->

    <h2 class="mt-5 pt-4 mb-4 text-center fw-bold h-font">Our Amenities</h2>

    <div class="container">

        <div class="row justify-content-evenly px-lg-0 px-md-0 px-5">

            <div class="col-lg-2 col-md-2 text-center bh-white rounded example-shadow py-4 my-3">

                <img src="images/amenities/Wireless-icon.svg" width="80px">

                <h5 class="mt-3">WiFi</h5>

            </div>

            <div class="col-lg-2 col-md-2 text-center bh-white rounded example-shadow py-4 my-3">

                <img src="images/amenities/television.svg" width="80px">

                <h5 class="mt-3">TV</h5>

            </div>

            <div class="col-lg-2 col-md-2 text-center bh-white rounded example-shadow py-4 my-3">

                <img src="images/amenities/air-conditioner-icon.svg" width="80px">

                <h5 class="mt-3">AC</h5>

            </div>

            <div class="col-lg-2 col-md-2 text-center bh-white rounded example-shadow py-4 my-3">

                <img src="images/amenities/heater-icon.svg" width="80px">

                <h5 class="mt-3">Room Heater</h5>

            </div>

        </div>

    </div>

    <!-- Testimonials -->

    <h2 class="mt-5 pt-4 mb-4 text-center fw-bold h-font">Testimonials</h2>

    <div class="container mt-5">

        <!-- Swiper -->

        <div class="swiper swiper-testimonials">

            <div class="swiper-wrapper mb-5">

                <div class="swiper-slide bg-white p-4">

                    <div class="profile d-flex align-items-center mb-3">

                        <img src="Images/amenities/air-conditioner-icon.svg" width="30px">

                        <h6 class="m-0 ms-2">Random user1</h6>

                    </div>

                    <p>

                        Lorem ipsum dolor sit amet consectetur adipisicing elit.

                        Odio praesentium voluptates commodi consectetur ducimus ullam at,

                        fuga culpa non repellat!

                    </p>

                    <div class="rating">

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                    </div>

                </div>

                <div class="swiper-slide bg-white p-4">

                    <div class="profile d-flex align-items-center mb-3">

                        <img src="Images/amenities/air-conditioner-icon.svg" width="30px">

                        <h6 class="m-0 ms-2">Random user2</h6>

                    </div>

                    <p>

                        Lorem ipsum dolor sit amet consectetur adipisicing elit.

                        Odio praesentium voluptates commodi consectetur ducimus ullam at,

                        fuga culpa non repellat!

                    </p>

                    <div class="rating">

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                    </div>

                </div>

                <div class="swiper-slide bg-white p-4">

                    <div class="profile d-flex align-items-center mb-3">

                        <img src="Images/amenities/air-conditioner-icon.svg" width="30px">

                        <h6 class="m-0 ms-2">Random user3</h6>

                    </div>

                    <p>

                        Lorem ipsum dolor sit amet consectetur adipisicing elit.

                        Odio praesentium voluptates commodi consectetur ducimus ullam at,

                        fuga culpa non repellat!

                    </p>

                    <div class="rating">

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                        <i class="bi bi-star-fill text-warning"></i>

                    </div>

                </div>

            </div>

            <div class="swiper-pagination"></div>

        </div>

    </div>

    <!-- Reach Us -->

    <h2 class="mt-5 pt-4 mb-4 text-center fw-bold h-font">Reach Us</h2>

    <div class="container">

        <div class="row">

            <div class="col-lg-8 col-md-8 p-4 mb-lg-0 mb-3 bg-white rounded">

                <iframe class="w-100 rounded" height="320"

                    src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3017.2402010477995!2d-74.19983198472754!3d40.86660257931531!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89c2fe352883ec55%3A0xeece028744cfc9ae!2sMontclair%20State%20University!5e0!3m2!1sen!2sus!4v1676683423854!5m2!1sen!2sus"

                    loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

            </div>

            <div class="col-lg-4 col-md-4">

                <div class="bg-white p-4 rounded mb-4">

                    <h5>Call Us</h5>

                    <a href="tel: 555-555-5555" class="d-inline-block mb-2 text-decoration-none text-dark">

                        <i class="bi bi-telephone-fill"></i>555-555-5555

                    </a>

                    <br>

                    <a href="tel: 555-555-5555" class="d-inline-block text-decoration-none text-dark">

                        <i class="bi bi-telephone-fill"></i>555-555-5555

                    </a>

                </div>

                <div class="bg-white p-4 rounded mb-4">

                    <h5>Follow Us</h5>

                    <a href="#" class="d-inline-block mb-3">

                        <span class="badge bg-light text-dark fs-6 p-2">

                            <i class="bi bi-twitter me-1"></i> Twitter

                        </span>

                    </a>

                    <br>

                    <a href="#" class="d-inline-block mb-3">

                        <span class="badge bg-light text-dark fs-6 p-2">

                            <i class="bi bi-facebook me-1"></i> Facebook

                        </span>

                    </a>

                    <br>

                    <a href="#" class="d-inline-block">

                        <span class="badge bg-light text-dark fs-6 p-2">

                            <i class="bi bi-instagram me-1"></i> Instagram

                        </span>

                    </a>

                </div>

            </div>

        </div>

    </div>

    <?php require 'inc/footer.php';?>

    <script src="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.js"></script>

    <script src="" async defer></script>

    <!-- Initialize Swiper -->

    <script>

        var swiper = new Swiper(".swiper-container", {

            spaceBetween: 30,

            effect: "fade",

            loop: true,

            autoplay: {

                delay: 3500,

                disableOnInteraction: false,

            }

        });

        var swiper = new Swiper(".swiper-testimonials", {

            effect: "coverflow",

            grabCursor: true,

            centeredSlides: true,

            slidesPerView: "auto",

            slidesPerView: "3",

            loop: true,

            coverflowEffect: {

                rotate: 50,

                stretch: 0,

                depth: 100,

                modifier: 1,

                slideShadows: false,

            },

            pagination: {

                el: ".swiper-pagination",

            },

            breakpoints: {

                320: {

                    slidesPerView: 1,

                },

                640: {

                    slidesPerView: 1,

                },

                768: {

                    slidesPerView: 2,

                },

                1024: {

                    slidesPerView: 3,

                },

            }

        });

    </script>

</body>

</html>

#### Rooms.php

<?php

// Start the session

require('inc/header.php');

if (isset($\_POST['checkInDate']) && isset($\_POST['checkOutDate'])) {

    $\_SESSION['checkInDate'] = $\_POST['checkInDate'];

    $\_SESSION['checkOutDate'] = $\_POST['checkOutDate'];

}

if (isset($\_SESSION['checkInDate']) && isset($\_SESSION['checkOutDate'])) {

    $checkInDate = $\_SESSION['checkInDate'];

    $checkOutDate = $\_SESSION['checkOutDate'];

    $rooms = getAvailableRooms($pdo, $checkInDate, $checkOutDate);

    if (count($rooms) === 0) {

        $message = "No rooms are available for the selected dates.";

    }

} else {

    $\_SESSION['checkInDate'] = '';

    $\_SESSION['checkOutDate'] = '';

    $checkInDate = $\_SESSION['checkInDate'];

    $checkOutDate = $\_SESSION['checkOutDate'];

    $rooms = view\_rooms();

}

?>

<!DOCTYPE html>

<html lang="en">

<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->

<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->

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<head>

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>RH Hotel - Rooms</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css" />

    <?php require('inc/links.php'); ?>

    <style>

        .availability-form {

            margin-top: -50px;

            z-index: 2;

            position: relative;

        }

        @media screen and (max-width: 575px) {

            .availability-form {

                margin-top: 25px;

                padding: 0 35px;

            }

        }

    </style>

</head>

<body class="bg-light">

    <div class="my-5 px-4">

        <h2 class="fw-bold h-font text-center">Our Rooms</h2>

        <div class="h-line bg-dark"></div>

    </div>

    <div class="container">

        <div class="row">

            <div class="col-lg-3 col-md-12 mb-lg-0 mb-4 px-lg-0">

                <nav class="navbar navbar-expand-lg navbar-light bg-white rounded shadow">

                    <div class="container-fluid flex-lg-column align-items-stretch">

                        <h4 class="mt-2">Filters<h4>

                                <button class="navbar-toggler shadow-none" type="button" data-bs-toggle="collapse"

                                    data-bs-target="#filterDropdown" aria-controls="navbarNav" aria-expanded="false"

                                    aria-label="Toggle navigation">

                                    <span class="navbar-toggler-icon"></span>

                                </button>

                                <div class="collapse navbar-collapse flex-column align-items-stretch mt-2"

                                    id="filterDropdown">

                                    <div class="border bg-light p-3 rounded mb-3">

                                        <div class="border bg-light p-3 rounded mb-3">

                                            <h5 class="mb-3" style="font-size: 18px;">Check Availability</h5>

                                            <form method="POST" action="">

                                                <label class="form-label" style="font-size: 14px;">Check-in</label>

                                                <input type="date" class="form-control shadow-none" name="checkInDate"

                                                    value="<?php echo $\_SESSION['checkInDate'] ?? ''; ?>">

                                                <label class="form-label" style="font-size: 14px;">Check-out</label>

                                                <input type="date" class="form-control shadow-none" name="checkOutDate"

                                                    value="<?php echo $\_SESSION['checkOutDate'] ?? ''; ?>">

                                                <button type="submit" class="btn btn-primary mt-3">Check

                                                    Availability</button>

                                                <button type="submit" class="btn btn-secondary mt-3"

                                                    onclick="resetDates()">Reset Dates</button>

                                            </form>

                                        </div>

                                    </div>

                                    <div class="border bg-light p-3 rounded mb-3">

                                        <h5 class="mb-3" style="font-size: 18px;">Facilities</h5>

                                        <div class="mb-2">

                                            <input type="checkbox" id="f1" class="form-check-input shadow-none me-1">

                                            <label class="form-check-label" for="f1" style="font-size: 14px;">Facility

                                                one</label>

                                        </div>

                                        <div class="mb-2">

                                            <input type="checkbox" id="f2" class="form-check-input shadow-none me-1">

                                            <label class="form-check-label" for="f2" style="font-size: 14px;">Facility

                                                two</label>

                                        </div>

                                        <div class="mb-2">

                                            <input type="checkbox" id="f3" class="form-check-input shadow-none me-1">

                                            <label class="form-check-label" for="f3" style="font-size: 14px;">Facility

                                                three</label>

                                        </div>

                                    </div>

                                    <div class="border bg-light p-3 rounded mb-3">

                                        <h5 class="mb-3" style="font-size: 18px;">Guests</h5>

                                        <div class="d-flex">

                                            <div class="me-3">

                                                <label class="form-label" style="font-size: 14px;">Adults</label>

                                                <input type="number" class="form-control shadow-none">

                                            </div>

                                            <div>

                                                <label class="form-label" style="font-size: 14px;">Children</label>

                                                <input type="number" class="form-control shadow-none">

                                            </div>

                                        </div>

                                    </div>

                                </div>

                    </div>

                </nav>

            </div>

            <div class="col-lg-9 col-md-12 px-4">

                <table class="table table-striped">

                    <thead>

                        <tr>

                        </tr>

                    </thead>

                    <tbody>

                        <?php

                        // Query the database to get the list of rooms

                        // Loop through the rooms and display them in the table

                        foreach ($rooms as $room) {

                            echo '<div class="card mb-4 border-0 example-shadow">

                                    <div class="row g-0 p-3 align-items-center">

                                        <div class="col-md-5 mb-lg-0 mb-md-0 mb-3">

                                            <img src="' . "admin/uploads/" . $room['images'][0] . '" class="img-fluid rounded">

                                        </div>

                                        <div class="col-md-5 px-lg-3 px-md-3 px-0">

                                            <h5 class="mb-3">' . $room['room\_type'] . '</h5>

                                            <div class="features mb-3">

                                                <h6 class="mb-1">Description</h6>

                                                <p>' .

                                $room['room\_description']

                                . '</p>

                                            </div>

                                            <div class="guests">

                                                <h6 class="mb-1">Guests</h6>

                                                <span class="badge rounded-pill bg-light text-dark text-wrap">

                                                ' .

                                $room['max\_occupancy']

                                . " guests" . '

                                                </span>

                                            </div>

                                        </div>

                                        <div class="col-md-2 mt-lg-0 mt-md-0 mt-4 text-center">

                                            <h6 class="mb-4">' .

                                $room['price\_per\_night']

                                . " $ per night" . '</h6>';

                            if (!($checkInDate == "") && !($checkOutDate=="")) {

                                echo '<a href="booking.php?room\_number=' . $room['room\_number'] . '&check\_in\_date=' . $checkInDate . '&check\_out\_date=' . $checkOutDate . '" class="btn btn-sm w-100 text-white custom-bg shadow-none mb-2">Book Now!</a>';

                            }

                            echo '</div>

                                    </div>

                                </div>';

                        }

                        ?>

                    </tbody>

                </table>

            </div>

        </div>

    </div>

    <?php require 'inc/footer.php'; ?>

</body>

</html>

#### Common.css

:root{

    --teal: #2ec1ac;

    --teal\_hover: #279e8c;

}

\* {

    font-family: 'Poppins', sans-serif;

}

.h-font {

    font-family: 'Merienda', cursive;

}

/\* Chrome, Safari, Edge, Opera \*/

input::-webkit-outer-spin-button,

input::-webkit-inner-spin-button {

    -webkit-appearance: none;

    margin: 0;

}

/\* Firefox \*/

input[type=number] {

    -moz-appearance: textfield;

}

.custom-bg {

    background-color: var(--teal);

    border: 1px solid var(--teal);

}

.custom-bg:hover {

    background-color: var(--teal\_hover);

    border-color: var(--teal\_hover);

}

.h-line{

    width: 150px;

    margin: 0 auto;

    height: 1.7px;

}

.example-shadow {

    border: 1px solid;

    padding: 10px;

    box-shadow: 5px 10px 18px #888888;

}

#### Db\_close.php

<?php

// Close the PDO connection

 $pdo = null;

//  echo "Database connection closed successfully.";

#### Db\_config.php

<?php

// guest Model

function getGuestByUsername($pdo, $username)

{

    $query = "SELECT \* FROM guest\_user WHERE username = :username";

    $stmt = $pdo->prepare($query);

    $stmt->execute(array(':username' => $username));

    // Check if the current user is an admin

    if ($stmt->rowCount() == 0) {

        // The current user is not an admin

        die('Error: Inputted Username does not exist!');

    } else {

        $user = $stmt->fetch(PDO::FETCH\_ASSOC);

        return $user;

    }

}

function guestLoginDashboard($pdo, $username, $password)

{

    // Query the database for the user

    $user = getGuestByUsername($pdo, $username);

    // Check if the user exists and the password is correct

    if ($user && password\_verify($password, $user['password'])) {

        // Login successful, start a session and redirect to the dashboard

        session\_start();

        $\_SESSION['guest\_user'] = $user;

        // Replace with the current user's ID

        $\_SESSION['user\_id'] = $user['guest\_user\_id'];

        // Store the address fields in the session

        $\_SESSION['apt\_number'] = $user['apt\_number'];

        $\_SESSION['street\_number'] = $user['street\_number'];

        $\_SESSION['street\_name'] = $user['street\_name'];

        $\_SESSION['city'] = $user['city'];

        $\_SESSION['zip\_code'] = $user['zip\_code'];

        $\_SESSION['state'] = $user['state'];

        $\_SESSION['country'] = $user['country'];

        redirect('index.php');

        // header('Location: dashboard.php');

        exit;

    } else {

        // Login failed, display an error message

        alert('error', 'Login failed - wrong password!');

    }

}

// Room model

function delete\_room($room\_number)

{

    global $pdo;

    $stmt = $pdo->prepare("DELETE FROM room WHERE room\_number = :room\_number");

    $stmt->bindParam(':room\_number', $room\_number);

    $stmt->execute();

    return true;

}

function edit\_room($room\_number, $price\_per\_night, $room\_type, $max\_occupancy, $room\_description, $availability)

{

    global $pdo;

    $stmt = $pdo->prepare("UPDATE room SET price\_per\_night = :price\_per\_night, availability = :availability, room\_type = :room\_type, max\_occupancy = :max\_occupancy, room\_description = :room\_description WHERE room\_number = :room\_number");

    $stmt->bindParam(':room\_number', $room\_number);

    $stmt->bindParam(':price\_per\_night', $price\_per\_night);

    $stmt->bindParam(':availability', $availability);

    $stmt->bindParam(':room\_type', $room\_type);

    $stmt->bindParam(':max\_occupancy', $max\_occupancy);

    $stmt->bindParam(':room\_description', $room\_description);

    $stmt->execute();

    return true;

}

function view\_rooms()

{

    global $pdo;

    $stmt = $pdo->query("SELECT \* FROM room");

    $rooms = $stmt->fetchAll(PDO::FETCH\_ASSOC);

    // Loop through the rooms and fetch the corresponding images

    foreach ($rooms as &$room) {

        $stmt = $pdo->prepare("SELECT room\_image FROM room\_images WHERE room\_number\_fk = ?");

        $stmt->execute([$room['room\_number']]);

        $images = $stmt->fetchAll(PDO::FETCH\_COLUMN);

        // Add the images to the room data

        $room['images'] = $images;

    }

    return $rooms;

}

// reservation models

function getAvailableRooms($pdo, $checkInDate, $checkOutDate)

{

    $stmt = $pdo->prepare("

        SELECT room\_number, price\_per\_night, room\_type, max\_occupancy, room\_description

        FROM room

        WHERE availability = 'vacant' AND room\_number NOT IN (

            SELECT room\_number\_fk

            FROM reserve\_room

            WHERE conf\_number\_fk IN (

                SELECT conf\_number

                FROM reservation

                WHERE (ck\_in\_date <= :checkInDate AND ck\_out\_date >= :checkInDate)

                OR (ck\_in\_date <= :checkOutDate AND ck\_out\_date >= :checkOutDate)

            )

        )

    ");

    $stmt->bindParam(':checkInDate', $checkInDate);

    $stmt->bindParam(':checkOutDate', $checkOutDate);

    $stmt->execute();

    $rooms = $stmt->fetchAll(PDO::FETCH\_ASSOC);

    // Loop through the rooms and fetch the corresponding images

    foreach ($rooms as &$room) {

        $stmt = $pdo->prepare("SELECT room\_image FROM room\_images WHERE room\_number\_fk = ?");

        $stmt->execute([$room['room\_number']]);

        $images = $stmt->fetchAll(PDO::FETCH\_COLUMN);

        // Add the images to the room data

        $room['images'] = $images;

    }

    return $rooms;

}

function calculateTotalCost($pdo, $room\_number, $checkin\_date, $checkout\_date)

{

    $stmt = $pdo->prepare("SELECT price\_per\_night FROM room WHERE room\_number = ?");

    $stmt->execute([$room\_number]);

    $price\_per\_night = $stmt->fetchColumn();

    $num\_nights = ceil((strtotime($checkout\_date) - strtotime($checkin\_date)) / (60 \* 60 \* 24));

    $total\_cost = $price\_per\_night \* $num\_nights;

    return $total\_cost;

}

function checkMaxOccupancy($pdo, $room\_number, $num\_adults, $num\_children)

{

    $stmt = $pdo->prepare("SELECT max\_occupancy FROM room WHERE room\_number = ?");

    $stmt->execute([$room\_number]);

    $max\_occupancy = $stmt->fetchColumn();

    if ($num\_adults == 0) {

        throw new Exception("At least one adult is required in the booking.");

    }

    if ($num\_adults + $num\_children > $max\_occupancy) {

        throw new Exception("The number of guests exceeds the maximum occupancy of the room.");

    }

}

function checkRoomAvailability($pdo, $room\_number, $checkin\_date, $checkout\_date)

{

    $stmt = $pdo->prepare("SELECT \* FROM reserve\_room

                           JOIN reservation ON reserve\_room.conf\_number\_fk = reservation.conf\_number

                           WHERE reserve\_room.room\_number\_fk = ?

                           AND reservation.ck\_in\_date < ?

                           AND reservation.ck\_out\_date > ?");

    $stmt->execute([$room\_number, $checkout\_date, $checkin\_date]);

    $reservation = $stmt->fetch();

    if ($reservation) {

        throw new Exception("Room $room\_number is not available for the selected dates.");

    }

}

function bookRooms($guest\_user\_id, $rooms, $num\_adults, $num\_children, $checkin\_date, $checkout\_date, $pdo)

{

    // Start a transaction

    $pdo->beginTransaction();

    try {

        // Check the maximum occupancy of each room

        foreach ($rooms as $room\_number) {

            checkMaxOccupancy($pdo, $room\_number, $num\_adults, $num\_children);

            checkRoomAvailability($pdo, $room\_number, $checkin\_date, $checkout\_date);

        }

        // Calculate the total cost of the reservation

        $total\_cost = 0;

        foreach ($rooms as $room\_number) {

            $total\_cost = calculateTotalCost($pdo, $room\_number, $checkin\_date, $checkout\_date);

        }

        // Insert a new reservation into the reservation table

        $stmt = $pdo->prepare("INSERT INTO reservation (number\_child, number\_adult, ck\_in\_date, ck\_out\_date, total\_cost, guest\_user\_id\_fk)

                               VALUES (?, ?, ?, ?, ?, ?)");

        $stmt->execute([$num\_children, $num\_adults, $checkin\_date, $checkout\_date, $total\_cost, $guest\_user\_id]);

        $conf\_number = $pdo->lastInsertId();

        // Insert entries into the reserve\_room table for each room that was booked

        foreach ($rooms as $room\_number) {

            $stmt = $pdo->prepare("INSERT INTO reserve\_room (conf\_number\_fk, room\_number\_fk)

                                   VALUES (?, ?)");

            $stmt->execute([$conf\_number, $room\_number]);

            // Update the availability of the room

            // $stmt = $pdo->prepare("UPDATE room SET availability = 'not available' WHERE room\_number = ?");

            // $stmt->execute([$room\_number]);

        }

        // Commit the transaction

        $pdo->commit();

        return $conf\_number;

    } catch (Exception $e) {

        // Roll back the transaction on failure

        $pdo->rollBack();

        throw $e;

    }

}

function getRoomDetails($pdo, $room\_number)

{

    $stmt = $pdo->prepare("SELECT \* FROM room WHERE room\_number = ?");

    $stmt->execute([$room\_number]);

    $room = $stmt->fetch();

    $stmt = $pdo->prepare("SELECT room\_image FROM room\_images WHERE room\_number\_fk = ?");

    $stmt->execute([$room['room\_number']]);

    $images = $stmt->fetchAll(PDO::FETCH\_COLUMN);

    // Add the images to the room data

    $room['images'] = $images;

    return $room;

}

// function getRoomImage($pdo, $room\_number)

// {

//     $stmt = $pdo->prepare("SELECT room\_image FROM room\_images WHERE room\_number\_fk = ? LIMIT 1");

//     $stmt->execute([$room\_number]);

//     return $stmt->fetchColumn();

// }

// User Information

function initializeVariables()

{

    global $first\_name, $middle\_name, $last\_name, $password, $username, $apt\_number, $street\_number, $street\_name, $user\_picture;

    global $guest\_phone\_number, $guest\_email, $errors;

    $first\_name = $middle\_name = $last\_name = $password = $username = $apt\_number = $street\_number = $street\_name = $user\_picture = "";

    $guest\_phone\_number = $guest\_email = "";

    $errors = array();

}

function validateInputFields(&$errors, $post)

{

    global $first\_name, $middle\_name, $last\_name, $password, $username, $apt\_number, $street\_number, $street\_name, $user\_picture, $city, $zip\_code, $state, $country;

    global $guest\_phone\_number, $guest\_email;

    $first\_name = trim($post["first\_name"]);

    if (empty($first\_name)) {

        array\_push($errors, "First name is required");

    }

    $middle\_name = trim($post["middle\_name"]);

    $last\_name = trim($post["last\_name"]);

    if (empty($last\_name)) {

        array\_push($errors, "Last name is required");

    }

    $password = password\_hash(trim($post["password"]), PASSWORD\_DEFAULT);

    $username = trim($post["username"]);

    if (empty($username)) {

        array\_push($errors, "Username is required");

    }

    $apt\_number = trim($post["apt\_number"]);

    if (empty($apt\_number)) {

        array\_push($errors, "Apartment number is required");

    }

    $street\_number = trim($post["street\_number"]);

    if (empty($street\_number)) {

        array\_push($errors, "Street number is required");

    }

    $street\_name = trim($post["street\_name"]);

    if (empty($street\_name)) {

        array\_push($errors, "Street name is required");

    }

    $city = trim($post["city"]);

    if (empty($city)) {

        array\_push($errors, "City is required");

    }

    $zip\_code = trim($post["zip\_code"]);

    if (empty($zip\_code)) {

        array\_push($errors, "Zip Code is required");

    }

    $state = trim($post["state"]);

    if (empty($state)) {

        array\_push($errors, "State is required");

    }

    $country = trim($post["country"]);

    if (empty($country)) {

        array\_push($errors, "Country is required");

    }

    return $errors;

}

function process\_user\_picture(&$errors, &$user\_picture)

{

    // Process optional user picture

    if ($\_FILES["user\_picture"]["name"] != "") {

        $target\_dir = "uploads/";

        $room\_image = $\_FILES["user\_picture"]['name'];

        $imageFileType = strtolower(end(explode('.', $room\_image)));

        $allowed\_types = array("jpg", "jpeg", "png", "gif");

        if (in\_array($imageFileType, $allowed\_types)) {

            $new\_file\_name = uniqid('', true) . '.' . $imageFileType;

            $target\_file = $target\_dir . $new\_file\_name;

            if (move\_uploaded\_file($\_FILES["user\_picture"]["tmp\_name"], $target\_file)) {

                $user\_picture = $target\_file;

            } else {

                array\_push($errors, "Error uploading file");

            }

        } else {

            array\_push($errors, "File type not allowed");

        }

    }

}

function validate\_contact\_info(&$errors, $post)

{

    global $guest\_phone\_number, $guest\_email;

    $guest\_phone\_number = $post["guest\_phone\_number"];

    if (!empty($guest\_phone\_number)) {

        if (!preg\_match("/^[0-9]{10}$/", $guest\_phone\_number)) {

            array\_push($errors, "Guest phone number must be 10 digits");

        }

    }

    $guest\_email = trim($post["guest\_email"]);

    if (!empty($guest\_email)) {

        if (!filter\_var($guest\_email, FILTER\_VALIDATE\_EMAIL)) {

            array\_push($errors, "Invalid guest email format");

        }

    }

}

// Prepare and execute SQL statement to insert new guest user

function insertGuestUser(&$pdo, $first\_name, $middle\_name, $last\_name, $password, $username, $apt\_number, $street\_number, $street\_name, $user\_picture, $city, $zip\_code, $state, $country)

{

    $stmt = $pdo->prepare("INSERT INTO guest\_user (first\_name, middle\_name, last\_name, password, username, apt\_number, street\_number, street\_name, user\_picture, city, zip\_code, state, country)

    VALUES (:first\_name, :middle\_name, :last\_name, :password, :username, :apt\_number, :street\_number, :street\_name, :user\_picture, :city, :zip\_code, :state, :country)");

    $stmt->bindParam(':first\_name', $first\_name);

    $stmt->bindParam(':middle\_name', $middle\_name);

    $stmt->bindParam(':last\_name', $last\_name);

    $stmt->bindParam(':password', $password);

    $stmt->bindParam(':username', $username);

    $stmt->bindParam(':apt\_number', $apt\_number);

    $stmt->bindParam(':street\_number', $street\_number);

    $stmt->bindParam(':street\_name', $street\_name);

    $stmt->bindParam(':user\_picture', $user\_picture);

    $stmt->bindParam(':city', $city);

    $stmt->bindParam(':zip\_code', $zip\_code);

    $stmt->bindParam(':state', $state);

    $stmt->bindParam(':country', $country);

    $stmt->execute();

    return $pdo->lastInsertId();

}

function insertGuestUserPhoneNumber(&$pdo, $guest\_user\_id, $guest\_phone\_number)

{

    $stmt = $pdo->prepare("INSERT INTO guest\_phone\_number (guest\_user\_id\_fk, guest\_phone\_number) VALUES (:guest\_user\_id, :phone\_number)");

    $stmt->bindParam(':guest\_user\_id', $guest\_user\_id);

    $stmt->bindParam(':phone\_number', $guest\_phone\_number);

    $stmt->execute();

}

function insertGuestUserEmail(&$pdo, $guest\_user\_id, $guest\_email)

{

    $stmt = $pdo->prepare("INSERT INTO guest\_email (guest\_user\_id\_fk, guest\_email) VALUES (:guest\_user\_id, :email)");

    $stmt->bindParam(':guest\_user\_id', $guest\_user\_id);

    $stmt->bindParam(':email', $guest\_email);

    $stmt->execute();

}

?>

#### Db\_connect.php

<?php

// Connect to the database using PDO

$db\_host = 'localhost';

$db\_user = 'rafaelhidalgo';

$db\_pass = 'rafaelhidalgopass';

$db\_name = 'rafaelhidalgodatabase';

try {

  $pdo = new PDO("mysql:host=$db\_host;dbname=$db\_name", $db\_user, $db\_pass);

  $pdo->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

  // echo "Database connected successfully.";

} catch(PDOException $e) {

  die("Connection failed: " . $e->getMessage());

}

#### Essentials.php

<?php

function guestLogin()

{

    // Check if the user is logged in

    // session\_start();

    if (!isset($\_SESSION['guest\_user'])) {

        // If not, redirect to the login page

        redirect('login.php');

        // exit;

    }

    session\_regenerate\_id(true);

}

function redirect($url){

    header('Location: '. $url);

}

function alert($type, $msg)

{

    $bs\_class = ($type == "success") ? "alert-success" : "alert-danger";

    echo <<<alert

    <div class="alert $bs\_class alert-dismissible fade show custom-alert" role="alert">

     <strong class="me-3">$msg</strong>

     <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>

    </div>

alert;

}

?>

#### Header.php

<!-- header -->

<?php

require('inc/essentials.php');

require('inc/db\_connect.php');

require('inc/db\_config.php');

session\_start();

?>

<nav class="navbar navbar-expand-lg navbar-light bg-white px-lg-3 py-lg-2 shadow-sm sticky-top">

    <div class="container-fluid">

        <a class="navbar-brand me-5 fw-bold fs-3 h-font" href="index.php">Hidalgo Hotel</a>

        <button class="navbar-toggler shadow-none" type="button" data-bs-toggle="collapse"

            data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"

            aria-label="Toggle navigation">

            <span class="navbar-toggler-icon"></span>

        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">

            <ul class="navbar-nav me-auto mb-2 mb-lg-0">

                <li class="nav-item">

                    <a class="nav-link active me-2" aria-current="page" href="index.php">Home</a>

                </li>

                <li class="nav-item">

                    <a class="nav-link me-2" href="rooms.php">Rooms</a>

                </li>

                <li class="nav-item">

                    <a class="nav-link me-2" href="facilities.php">Facilities</a>

                </li>

                <li class="nav-item">

                    <a class="nav-link me-2" href="fine\_dining.php">Fine Dining</a>

                </li>

                <li class="nav-item">

                    <a class="nav-link me-2" href="local\_travel.php">Local Travel</a>

                </li>

                <li class="nav-item">

                    <a class="nav-link me-2" href="search.php">Reservation Search</a>

                </li>

            </ul>

            <div class="d-flex">

                <?php

                if (!isset($\_SESSION['guest\_user']['guest\_user\_id'])) {

                    ?>

                    <a href="login.php" class="btn btn-outline-dark shadow-none me-lg-3 me-2">Login</a>

                    <a href="register.php" class="btn btn-outline-dark shadow-none me-lg-3 me-2">Register</a>

                    <?php

                } else {

                    // require('inc/db\_connect.php');

                    // require('inc/db\_config.php');

                    try {

                        $pdo->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

                        $user\_id = $\_SESSION['guest\_user']['guest\_user\_id'];

                        $sql = "SELECT \* FROM guest\_user WHERE guest\_user\_id = ?";

                        $stmt = $pdo->prepare($sql);

                        $stmt->execute([$user\_id]);

                        $user = $stmt->fetch(PDO::FETCH\_ASSOC);

                    } catch (PDOException $e) {

                        echo "Error: " . $e->getMessage();

                    }

                    if ($user) {

                        ?>

                        <img src="<?php echo $user['user\_picture']; ?>" alt="User Picture" class="rounded-circle me-lg-3 me-2"

                            width="50" height="50">

                        <div class="align-self-center me-lg-3 me-2">

                            <?php echo $user['username']; ?>

                        </div>

                        <form method="post" action="logout.php">

                            <button type="submit" class="btn btn-outline-dark shadow-none me-lg-3 me-2">Logout</button>

                        </form>

                        <?php

                    }

                }

                ?>

            </div>

        </div>

    </div>

</nav>

#### Footer.php

<!-- footer -->

<div class="container-fluid bg-white mt-5">

    <div class="row">

        <div class="col-lg-4 p-4">

            <h3 class="h-font fw-bold fs-3 mb-2">Hidalgo Hotel</h3>

            <p>

                Lorem ipsum dolor sit, amet consectetur

                adipisicing elit. Asperiores commodi modi

                dicta sequi quos, deleniti reiciendis obcaecati

                at molestiae velit quasi rem a, nostrum

                explicabo dolore delectus voluptate est in!

            </p>

        </div>

        <div class="col-lg-4 p-4">

            <h5 class="mb-3">Links</h5>

            <a href="#" class="d-inline-block mb-2 text-dark text-decoration-none">Home</a><br>

            <a href="#" class="d-inline-block mb-2 text-dark text-decoration-none">Rooms</a><br>

            <a href="#" class="d-inline-block mb-2 text-dark text-decoration-none">Facilities</a><br>

            <a href="#" class="d-inline-block mb-2 text-dark text-decoration-none">Contact Us</a><br>

            <a href="#" class="d-inline-block mb-2 text-dark text-decoration-none">About</a>

        </div>

        <div class="col-lg-4 p-4">

            <h5 class="mb-3">Follow Us</h5>

            <a href="#" class="d-inline-block text-dark text-decoration-none mb-2">

                <i class="bi bi-twitter me-1"></i> Twitter

            </a>

            <br>

            <a href="#" class="d-inline-block text-dark text-decoration-none mb-2">

                <i class="bi bi-facebook me-1"></i> Facebook

            </a>

            <br>

            <a href="#" class="d-inline-block text-dark text-decoration-none">

                Instagram

            </a>

        </div>

    </div>

</div>

<h6 class="text-center bg-dark text-white p-3 m-0">Rafael Hidalgo</h6>

<!-- <br>

    <a href="https://www.youtube.com/watch?v=BLqDewjag48&list=PLWxTHN2c\_6cbh1C7yIskoXszoTl-okogt&index=2&ab\_channel=TJWEBDEV"

        class="d-inline-block text-dark text-decoration-none">

        Used this Link for website design help.

    </a> -->

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

    integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"

    crossorigin="anonymous"></script>

<script>

    function resetDates() {

        document.getElementsByName('checkInDate')[0].value = '';

        document.getElementsByName('checkOutDate')[0].value = '';

    }

</script>

#### Links.php

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

<link href="https://fonts.googleapis.com/css2?family=Merienda:wght@400;700&family=Poppins:wght@400;500;600&display=swap"

    rel="stylesheet">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.3/font/bootstrap-icons.css">

<link rel="stylesheet" href="css/common.css" />

#### Scripts.php

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"

        crossorigin="anonymous"></script>

# Testing

## Test Plan: User Interface Testing

### Objectives:

* To ensure that the user interface of the hotel management system is user-friendly and intuitive.
* To ensure that all the functionalities of the system are easily accessible to the users.
* To ensure that the system is responsive and works well on different devices and screen sizes.

### Scope:

* The testing will be performed on the user and admin interface of the hotel management system.
* The testing will include both desktop and mobile versions of the system.

### Test Cases:

1. Navigation: Test the navigation of the system to ensure that all the functionalities of the system can be easily accessed by the users. Verify that all links and buttons are working correctly and that they lead to the appropriate pages.
2. User Input: Test the input fields of the system to ensure that they are working correctly and that the users can input their information without any errors. Verify that input fields have appropriate labels and placeholders.
3. Responsiveness: Test the responsiveness of the system to ensure that it works well on different devices and screen sizes. Verify that the system's layout adjusts appropriately to different screen sizes.
4. User Feedback: Test the feedback mechanisms of the system to ensure that the users are notified of any errors or successful actions. Verify that error messages are clear and concise and that success messages are displayed appropriately.

### Test Steps:

#### User

##### Navigation:

1. Click on login button on the homepage. Verify that the login page is loaded.
2. Click on Register button on the login page. Verify that the registration page is loaded.
3. Click on Rooms button on the homepage. Verify that the Rooms page is loaded.
4. Click on the Reservation Search page. Verify the page is loaded.
5. Click on Facilities, Local Travel, and Fine Dining buttons on the homepage. Verify that the respective pages are loaded.
6. In the Rooms Page, Click on Book Now while the user is logged off. Verify that the user is redirected to the login page.
7. Click on Book Now! button on the Rooms page while the user is logged on. Verify that the user is redirected to the booking page.

##### Input Data:

1. Enter valid details in the registration form and click on the register button. Verify that the user is registered and redirected to the login page.
2. Enter valid credentials in the login form and click on the login button. Verify that the user is logged in and redirected to the homepage.
3. In the Rooms page, enter valid check-in and check-out dates, room type, and click on the Book Now! button. Verify that the booking is confirmed, and the user is redirected to the booking page.
4. In the booking page, input 1 adult and 1 child. Click on book now. Should bring you to the confirmation page.

##### Responsive Design:

1. Resize the browser window to various screen sizes and verify that the layout adjusts accordingly.

##### Error Handling:

1. Enter invalid credentials in the login form and click on the login button. Verify that the system displays an error message.
2. Submit the registration form with invalid details and verify that the system displays appropriate error messages.
3. In the booking page submit the booking form with invalid details and verify that the system displays appropriate error messages.

#### Admin

##### Navigation:

1. Log in to the admin panel and verify that the dashboard is loaded.
2. Click on Rooms on the sidebar menu. Click on Add Room and Edit. Verify that the respective pages are loaded.

##### Input Data:

1. Add a new room by filling in the necessary details in the Add Room form and clicking on the Add Room button. Verify that the room is added to the system.
2. Update the details of an existing room by editing the details in the Edit Room form and clicking on the Edit Room button. Verify that the room details are updated.
3. Delete a room by clicking on the Delete button for that room in the Rooms page and verifying that the room is removed from the system.

##### Responsive Design:

1. Resize the browser window to various screen sizes and verify that the layout adjusts accordingly.

##### Error Handling:

1. Add a new room with invalid details and verify that the system displays appropriate error messages.
2. Update the details of a room with invalid details and verify that the system displays appropriate error messages.
3. Attempt to delete a room that has active bookings and verify that the system displays an appropriate error message.

### Expected Results:

* The system's user interface should be intuitive and easy to use.
* The system should be responsive and work well on different devices and screen sizes.
* The system should provide clear and concise feedback to the users.

### Actual Results:

#### User

##### Navigation:

1. Click on login button on the homepage. Verify that the login page is loaded.

![Graphical user interface, application

Description automatically generated

1. Click on Register button on the login page. Verify that the registration page is loaded.

Graphical user interface, application

Description automatically generated

1. Click on Rooms button on the homepage. Verify that the Rooms page is loaded.

Graphical user interface, website

Description automatically generated

1. Click on the Reservation Search page. Verify the page is loaded.

Graphical user interface, text, application, email

Description automatically generated

1. Click on Facilities, Local Travel, and Fine Dining buttons on the homepage. Verify that the respective pages are loaded.

Graphical user interface, text, application, email

Description automatically generated

1. In the Rooms Page, Click on Book Now while the user is logged off. Verify that the user is redirected to the login page.

Graphical user interface

Description automatically generated

1. Click on Book Now! button on the Rooms page while the user is logged on. Verify that the user is redirected to the booking page.

Graphical user interface

Description automatically generated with medium confidence

##### Input Data:

1. Enter valid details in the registration form and click on the register button. Verify that the user is registered and redirected to the login page.

Graphical user interface

Description automatically generated

1. Enter valid credentials in the login form and click on the login button. Verify that the user is logged in and redirected to the homepage.

Graphical user interface

Description automatically generated

1. In the Rooms page, enter valid check-in and check-out dates, room type, and click on the Book Now! button. Verify that the booking is confirmed, and the user is redirected to the booking page.

Graphical user interface, text

Description automatically generated

1. In the booking page, input 1 adult and 1 child. Click on book now. Should bring you to the confirmation page.

Graphical user interface

Description automatically generated

##### Responsive Design:

1. Resize the browser window to various screen sizes and verify that the layout adjusts accordingly.

Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated

##### Error Handling:

1. Enter invalid credentials in the login form and click on the login button. Verify that the system displays an error message.

Graphical user interface, website

Description automatically generated

1. Submit the registration form with invalid details and verify that the system displays appropriate error messages.

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

1. In the booking page submit the booking form with invalid details and verify that the system displays appropriate error messages.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

#### Admin

##### Navigation:

1. Log in to the admin panel and verify that the dashboard is loaded.

Graphical user interface

Description automatically generated

Text

Description automatically generated

1. Click on Rooms on the sidebar menu. Click on Add Room and Edit. Verify that the respective pages are loaded.

Graphical user interface, text, website

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

##### Input Data:

1. Add a new room by filling in the necessary details in the Add Room form and clicking on the Add Room button. Verify that the room is added to the system.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

1. Update the details of an existing room by editing the details in the Edit Room form and clicking on the Edit Room button. Verify that the room details are updated.

Graphical user interface, website

Description automatically generated

Graphical user interface, text, website

Description automatically generated

1. Delete a room by clicking on the Delete button for that room in the Rooms page and verifying that the room is removed from the system.

Graphical user interface

Description automatically generated

Graphical user interface, text

Description automatically generated

##### Responsive Design:

1. Resize the browser window to various screen sizes and verify that the layout adjusts accordingly.

Graphical user interface

Description automatically generated

##### Error Handling:

1. Add a new room with invalid details and verify that the system displays appropriate error messages.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

1. Update the details of a room with invalid details and verify that the system displays appropriate error messages.

A screenshot of a computer

Description automatically generated with medium confidence

A computer screen capture

Description automatically generated with medium confidence

Graphical user interface, text, timeline

Description automatically generated

### Test Discussion

#### User

Upon testing the User system, no apparent bugs were found. Please note however that any bugs found during development were fixed and accounted for at the time of development.

#### Admin

Some bugs were found when testing the admin system. Namely the way the admin system interacts with negative numbers. For instance, upon inputting a negative number for the price of a room, the system accept the number. This is obviously a problem since the hotel would need to pay the guest for staying with them. These bugs will be accounted for prior to future test runs.

# Conclusion

In conclusion, the hotel management system is a comprehensive web application that provides a wide range of functionalities for both guests and hotel staff. The system's critical components include room booking, reservation search, and the admin panel, which allows hotel staff to manage the system efficiently. The system's security features, such as password hashing and encryption, ensure that guest information is protected from unauthorized access. The system is user-friendly and intuitive, making it easy for guests to navigate and make bookings efficiently. The system’s testing phase of the user view was completely successful. However, there still is work to be done in the admin side to make it completely viable.

# References

<https://www.youtube.com/watch?v=BLqDewjag48&list=PLWxTHN2c_6cbh1C7yIskoXszoTl-okogt&index=3&ab_channel=TJWEBDEV>

# Video Link For Demo

<https://youtu.be/rNu2pauM7HY>