

My Hotel Project

****Hotel Name:**** 2in1

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Project Goal

This project is a comprehensive Hotel Booking System designed to streamline the process of reserving hotel rooms for users while providing administrators with powerful tools to manage the hotel's resources. The primary goal of the system is to offer an intuitive and user-friendly platform that enables visitors to browse available rooms, check room types, and securely book accommodations online. At the same time, it empowers administrators to handle all critical aspects of room and booking management via a dedicated admin dashboard.

The system has been developed using PHP (with PDO for database interaction), MySQL for managing data, and HTML, CSS, and JavaScript for building responsive and attractive front-end interfaces. One of the key highlights is the use of `password_hash()` for secure authentication, ensuring that user data remains protected. The application also follows modular coding practices, separating the logic of authentication, booking, room display, and administration across different pages.

From a user perspective, the project provides account registration and login features, real-time room availability checking, and booking confirmation. From an admin perspective, it includes functionalities to add, edit, or delete rooms, manage bookings, and monitor system activity. Additionally, a well-structured database supports efficient storage and retrieval of all booking-related information.

In summary, this project represents a complete and practical solution for hotel room reservation management, integrating both front-end usability and back-end control in a secure, efficient, and modern web application.

Source Code Files (PHP, CSS, JS)

add_room.php

```
<?php
require('../db/config.php');
session_start();

if (!isset($_SESSION['role']) || $_SESSION['role'] !== 'admin') {
    exit("Access denied.");
}

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $name          = trim($_POST['name']);
    $description    = trim($_POST['description']);
    $price         = floatval($_POST['price']);
    $available      = isset($_POST['available']) ? 1 : 0;
    $image_name     = null;

    if (isset($_FILES['image']) && $_FILES['image']['error'] === UPLOAD_ERR_OK)
    {
        $ext = pathinfo($_FILES['image']['name'], PATHINFO_EXTENSION);
        if (in_array(strtolower($ext), ['jpg', 'jpeg', 'png'])) {
            $image_name = uniqid('room_') . '.' . $ext;
            move_uploaded_file($_FILES['image']['tmp_name'], '../images/' .
$image_name);
        }
    }

    if (!empty($name) && $price > 0) {
        $stmt = $conn->prepare("INSERT INTO rooms (room_type, description,
price, available, image) VALUES (?, ?, ?, ?, ?)");
        $stmt->execute([$name, $description, $price, $available, $image_name]);
        header("Location: dashboard.php");
        exit;
    } else {
        $error = "Please fill in all required fields.";
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Add Room</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>
</head>
<body>

<header>
```

```
<h1>Hotel Management - Admin</h1>
</header>

<main>
  <h2>Add New Room</h2>

  <?php if (isset($error)) : ?>
    <p style="color: red; text-align:center;"><?= htmlspecialchars($error)
?></p>
  <?php endif; ?>

  <form method="POST" enctype="multipart/form-data">
    <label for="name">Room Type:</label>
    <input type="text" name="name" id="name" required>

    <label for="description">Description:</label>
    <textarea name="description" id="description" rows="4" style="resize:
vertical;"></textarea>

    <label for="price">Price ($):</label>
    <input type="number" name="price" id="price" step="0.01" required>

    <label for="available">
      <input type="checkbox" name="available" id="available" checked>
      Available
    </label>

    <label for="image">Room Image:</label>
    <input type="file" name="image" id="image" accept=".jpg,.jpeg,.png">

    <button type="submit">Add Room</button>
  </form>
</main>

<footer>
  <p>&copy; <?= date("Y") ?> My Hotel. All rights reserved.</p>
</footer>

</body>
</html>
```

dashboard.php

```
<?php
session_start();
require('../db/config.php');

if (!isset($_SESSION['user_id']) || $_SESSION['role'] !== 'admin') {
    header('Location: ../index.php');
    exit();
}

$stmt = $conn->query("SELECT * FROM rooms ORDER BY id DESC");
$rooms = $stmt->fetchAll(PDO::FETCH_ASSOC);
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Admin Dashboard</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>

</head>
<body>

<header>
    <h1>Admin Dashboard</h1>
</header>

<main>
    <h2 style="text-align:center;">Welcome, <?=
htmlspecialchars($_SESSION['name']) ?>!</h2>
    <p style="text-align:center; color: #555;">You are logged in as <strong><?=
$_SESSION['role'] ?></strong></p>

    <div class="dashboard-menu">
        <a href="add_room.php">✚ Add New Room</a>
        <a href="../bookings/manage_bookings.php">📅 Manage Bookings</a>
        <a href="../auth/logout.php">🚪 Logout</a>
    </div>

    <h2 style="text-align:center; margin-top: 50px;">🏠 All Rooms</h2>

    <div class="room-list">
        <?php foreach ($rooms as $room): ?>
            <div class="room-card">
                <?php if (!empty($room['image']) && file_exists('../images/' .
                    $room['image'])): ?>
```

```

        
        <?php else: ?>
            
        <?php endif; ?>
        <div class="content">
            <h3><?php echo htmlspecialchars($room['room_type']) ?></h3>
            <p><?php echo htmlspecialchars($room['description']) ?></p>
            <p><strong><?php echo $room['price'] ?></strong></p>
        </div>
        <p>Status: <?php echo $room['available'] ?> ' ☒ Available' : ' ☐
Unavailable' ?></p>
        <div class="actions">
            <a class="edit-btn" href="edit_room.php?id=<?php echo $room['id'] ?>">✎ Edit</a>
            <a class="delete-btn" href="delete_room.php?id=<?php echo $room['id'] ?>"
onclick="return confirm('Are you sure you want to delete this
room?');">🗑 Delete</a>
        </div>
    </div>
</div>
<?php endforeach; ?>
</div>
</main>

<footer>
    <p>&copy; <?php echo date("Y") ?> My Hotel Admin Panel</p>
</footer>

</body>
</html>

```

delete_room.php

```
<?php
require('../db/config.php');
session_start();

if (!isset($_SESSION['role']) || $_SESSION['role'] !== 'admin') {
    exit("Access denied.");
}

if (!isset($_GET['id']) || !is_numeric($_GET['id'])) {
    exit("Invalid room ID.");
}

$id = intval($_GET['id']);

$stmt = $conn->prepare("SELECT image FROM rooms WHERE id = ?");
$stmt->execute([$id]);
$room = $stmt->fetch(PDO::FETCH_ASSOC);

if ($room && !empty($room['image'])) {
    $image_path = '../images/' . $room['image'];
    if (file_exists($image_path)) {
        unlink($image_path);
    }
}

$stmt = $conn->prepare("DELETE FROM rooms WHERE id = ?");
$stmt->execute([$id]);

header("Location: dashboard.php");
exit;
?>
```

edit_room.php

```
<?php
require('../db/config.php');
session_start();

if (!isset($_SESSION['role']) || $_SESSION['role'] !== 'admin') {
    exit("Access denied.");
}

if (!isset($_GET['id']) || !is_numeric($_GET['id'])) {
    exit("Invalid room ID.");
}

$id = intval($_GET['id']);


$stmt = $conn->prepare("SELECT * FROM rooms WHERE id = ?");
$stmt->execute([$id]);
$room = $stmt->fetch(PDO::FETCH_ASSOC);

if (!$room) {
    exit("Room not found.");
}

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $name      = trim($_POST['name']);
    $description = trim($_POST['description']);
    $price      = floatval($_POST['price']);
    $available  = isset($_POST['available']) ? 1 : 0;
    $new_image  = $room['image'];

    if (isset($_FILES['image']) && $_FILES['image']['error'] === UPLOAD_ERR_OK)
    {
        $ext = pathinfo($_FILES['image']['name'], PATHINFO_EXTENSION);
        if (in_array(strtolower($ext), ['jpg', 'jpeg', 'png'])) {
            if (!empty($room['image']) && file_exists('../images/'
. $room['image'])) {
                unlink('../images/' . $room['image']);
            }

            $new_image = uniqid('room_') . '.' . $ext;
            move_uploaded_file($_FILES['image']['tmp_name'], '../images/' .
$new_image);
        }
    }

    //  if (!empty($name) && $price > 0) {
        $stmt = $conn->prepare("UPDATE rooms SET room_type = ?, description =
```



```

?, price = ?, available = ?, image = ? WHERE id = ?");
$stmt->execute([$name, $description, $price, $available, $new_image,
$id]);
header("Location: dashboard.php");
exit;
} else {
$error = "Please fill in all required fields.";
}
}
?>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Edit Room</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>
</head>
<body>

<header>
    <h1>Edit Room</h1>
</header>

<main>
    <h2 style="text-align:center;">Room ID: <?= $room['id'] ?></h2>

    <?php if (isset($error)) : ?>
        <p style="color: red; text-align:center;"><?= htmlspecialchars($error)
?></p>
    <?php endif; ?>

    <form method="POST" enctype="multipart/form-data">
        <label for="name">Room Type:</label>
        <input type="text" name="name" id="name" value="<?=
htmlspecialchars($room['room_type']) ?>" required>

        <label for="description">Description:</label>
        <textarea name="description" id="description" rows="4"><?=
htmlspecialchars($room['description']) ?></textarea>

        <label for="price">Price ($):</label>
        <input type="number" name="price" id="price" step="0.01" value="<?=
htmlspecialchars($room['price']) ?>" required>

        <label for="available">
            <input type="checkbox" name="available" id="available" <?=
$room['available'] ? 'checked' : '' ?>>
            Available
        </label>

        <label>Current Image:</label><br>

```

```
<?php if (!empty($room['image']) && file_exists('../images/' .
$room['image'])): ?>
    <br><br>
<?php else: ?>
    <p>No image uploaded.</p>
<?php endif; ?>

<label for="image">Change Image:</label>
<input type="file" name="image" id="image" accept=".jpg,.jpeg,.png">

<br><br>
<button type="submit">Update Room</button>
</form>
</main>

<footer>
    <p>&copy; <?= date("Y") ?> My Hotel Admin Panel</p>
</footer>

</body>
</html>
```

login.php

```
<?php
require '../db/config.php';
session_start();

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $email = trim($_POST['email'] ?? '');
    $password = $_POST['password'] ?? '';

    if (empty($email) || empty($password)) {
        $error = "Please enter both email and password.";
    } else {
        $stmt = $conn->prepare("SELECT * FROM users WHERE email = ?");
        $stmt->execute([$email]);
        $user = $stmt->fetch(PDO::FETCH_ASSOC);

        if ($user && password_verify($password, $user['password'])) {
            $_SESSION['user_id'] = $user['id'];
            $_SESSION['name'] = $user['username'];
            $_SESSION['role'] = $user['role'];

            if ($user['role'] === 'admin') {
                header("Location: ../admin/dashboard.php");
            } else {
                header("Location: ../index.php");
            }
            exit;
        } else {
            $error = "Incorrect email or password.";
        }
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>User Login</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>
</head>
<body>

<header>
    <h1>User Login</h1>
</header>

<main>
    <h2 style="text-align:center;">Welcome 2in1 hotel</h2>

    <?php if (isset($error)): ?>
```

```
<p style="color:red; text-align:center;"><?= htmlspecialchars($error)
?></p>
<?php endif; ?>

<form method="post" action="">
  <label for="email">Email:</label>
  <input type="email" name="email" id="email" required>

  <label for="password">Password:</label>
  <input type="password" name="password" id="password" required>

  <button type="submit">Login</button>
</form>

<p style="text-align:center; margin-top:20px;">
  Don't have an account? <a href="register.php">Register here</a>
</p>
</main>

<footer>
  <p>&copy; <?= date("Y") ?> My Hotel</p>
</footer>

</body>
</html>
```

logout.php

```
<?php
session_start();
session_unset();
session_destroy();
header("Location: login.php");
exit;
```

register.php

```
<?php
require '../db/config.php';
session_start();

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $username = trim($_POST['username'] ?? '');
    $email = trim($_POST['email'] ?? '');
    $password = $_POST['password'] ?? '';
    $confirm_password = $_POST['confirm_password'] ?? '';

    if (empty($username) || empty($email) || empty($password) ||
empty($confirm_password)) {
        $error = "Please fill in all fields.";
    } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
        $error = "Invalid email format.";
    } elseif ($password !== $confirm_password) {
        $error = "Passwords do not match.";
    } else {
        $stmt = $conn->prepare("SELECT id FROM users WHERE email = ?");
        $stmt->execute([$email]);
        if ($stmt->fetch()) {
            $error = "Email is already registered.";
        } else {
            $hashed_password = password_hash($password, PASSWORD_DEFAULT);
            $stmt = $conn->prepare("INSERT INTO users (username, email,
password, role) VALUES (?, ?, ?, 'user')");
            if ($stmt->execute([$username, $email, $hashed_password])) {
                $success = "✅ Registration successful. You can now <a
href='login.php'>login</a>.";
            } else {
                $error = "❌ Registration failed. Please try again.";
            }
        }
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>User Registration</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>
</head>
<body>

<header>
    <h1>User Registration</h1>
</header>

<main>
    <h2 style="text-align:center;">Create a New Account</h2>
```

```

    <?php if (isset($error)): ?>
        <p style="color: red; text-align: center;"><?= htmlspecialchars($error)
?></p>
    <?php elseif (isset($success)): ?>
        <p style="color: green; text-align: center;"><?= $success ?></p>
    <?php endif; ?>

    <form method="post" action="">
        <label for="username">Username:</label>
        <input type="text" name="username" id="username" required>

        <label for="email">Email:</label>
        <input type="email" name="email" id="email" required>

        <label for="password">Password:</label>
        <input type="password" name="password" id="password" required>

        <label for="confirm_password">Confirm Password:</label>
        <input type="password" name="confirm_password" id="confirm_password"
required>

        <button type="submit">Register</button>
    </form>

    <p style="text-align:center; margin-top:20px;">
        Already have an account? <a href="login.php">Login here</a>
    </p>
</main>

<footer>
    <p>&copy; <?= date("Y") ?> My Hotel</p>
</footer>

</body>
</html>

```

available_rooms.php

```
<?php
require 'db/config.php';
session_start();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Available Rooms</title>
    <link rel="stylesheet" href="css/style.css">
</head>
<body>

<header>
    <h1>Available Rooms</h1>
</header>

<main>
    <div class="search-bar">
        <form method="GET">
            <input type="text" name="search" placeholder="Search by room
name..." value="<?= isset($_GET['search']) ? htmlspecialchars($_GET['search'])
: '' ?>">
            <button type="submit">Search</button>
        </form>
    </div>

    <div class="room-list">
        <?php
            $sql = "SELECT * FROM rooms WHERE available = 1";
            $params = [];

            if (!empty($_GET['search'])) {
                $sql .= " AND room_type LIKE ?";
                $params[] = '%' . $_GET['search'] . '%';
            }

            $stmt = $conn->prepare($sql);
            $stmt->execute($params);
            $rooms = $stmt->fetchAll();

            if ($rooms):
                foreach ($rooms as $room):
                    ?>
                        <div class="room-item">
                            
                            <h3><?= htmlspecialchars($room['room_type']) ?></h3>
                            <p><?= htmlspecialchars($room['description']) ?></p>
                            <p><strong>Price:</strong> $<?= number_format($room['price'],
2) ?> / night</p>
```



```
                <a href="bookings/book.php?room_id=php echo $room['id']; ?">Book
Now</a>
            </div>
        <?php
            endforeach;
        else:
            echo "<p style='text-align:center;'>No rooms available.</p>";
        endif;
    ?>
</div>
</main>

<footer>
    <p>&copy; <?php echo date("Y"); ?> My Hotel</p>
</footer>

</body>
</html>
```

book.php

```
<?php
require '../db/config.php';
session_start();

if (!isset($_SESSION['user_id'])) {
    header("Location: ../auth/login.php");
    exit();
}

if (!isset($_GET['room_id']) || !is_numeric($_GET['room_id'])) {
    die("Invalid room ID.");
}

$room_id = (int) $_GET['room_id'];

$stmt = $conn->prepare("SELECT * FROM rooms WHERE id = ?");
$stmt->execute([$room_id]);
$room = $stmt->fetch();

if (!$room) {
    die("Room not found.");
}

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $check_in = $_POST['check_in'];
    $check_out = $_POST['check_out'];

    if (strtotime($check_in) >= strtotime($check_out)) {
        $error = "Check-out date must be after check-in date.";
    } else {
        $stmt = $conn->prepare("INSERT INTO bookings (user_id, room_id,
check_in, check_out) VALUES (?, ?, ?, ?)");
        if ($stmt->execute([$_SESSION['user_id'], $room_id, $check_in,
$check_out])) {
            header("Location: manage_bookings.php");
            exit();
        } else {
            $error = "Booking failed. Please try again.";
        }
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Book Room</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>
```

```

</head>
<body>

<header>
    <h1>Book This Room</h1>
</header>

<main>
    <div class="container">
        <h2 style="text-align:center; color:#003366;">Room Details</h2>

        <div class="room-details">
            
            <div class="room-info">
                <p><strong>Type:</strong> <? =
htmlspecialchars($room['room_type']) ?></p>
                <p><strong>Description:</strong> <? =
htmlspecialchars($room['description']) ?></p>
                <p><strong>Price:</strong> $<? = number_format($room['price'],
2) ?></p>
                <p><strong>Status:</strong> <? = $room['available'] ? '✅
Available' : '❌ Not Available' ?></p>
            </div>
        </div>

        <?php if (isset($error)) : ?>
            <p class="error"><? = htmlspecialchars($error) ?></p>
        <?php endif; ?>

        <form method="post" class="booking-form">
            <label for="check_in">Check-in Date:</label>
            <input type="date" name="check_in" id="check_in" required>

            <label for="check_out">Check-out Date:</label>
            <input type="date" name="check_out" id="check_out" required>

            <button type="submit">📅 Book Now</button>
        </form>
    </div>
</main>

<footer>
    <p>&copy; <? = date("Y") ?> My Hotel</p>
</footer>

</body>
</html>

```


delete_booking.php

```
<?php
require '../db/config.php';
session_start();

if (!isset($_SESSION['user_id'])) {
    header("Location: ../auth/login.php");
    exit();
}

if (!isset($_GET['id']) || !is_numeric($_GET['id'])) {
    die("Invalid booking ID.");
}

$booking_id = (int) $_GET['id'];

$stmt = $conn->prepare("SELECT id FROM bookings WHERE id = ? AND user_id = ?");
$stmt->execute([$booking_id, $_SESSION['user_id']]);
$booking = $stmt->fetch();

if (!$booking) {
    die("You are not authorized to delete this booking.");
}

$stmt = $conn->prepare("DELETE FROM bookings WHERE id = ?");
if ($stmt->execute([$booking_id])) {
    header("Location: manage_bookings.php");
    exit();
} else {
    echo "❌ Failed to delete booking. Please try again.";
}
?>
```

edit_booking.php

```
<?php
require '../db/config.php';
session_start();

if (!isset($_SESSION['user_id'])) {
    header("Location: ../auth/login.php");
    exit();
}

if (!isset($_GET['id']) || !is_numeric($_GET['id'])) {
    die("Invalid booking ID.");
}

$booking_id = (int) $_GET['id'];

$stmt = $conn->prepare("SELECT * FROM bookings WHERE id = ? AND user_id = ?");
$stmt->execute([$booking_id, $_SESSION['user_id']]);
$booking = $stmt->fetch();

if (!$booking) {
    die("Booking not found or access denied.");
}

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $check_in = $_POST['check_in'];
    $check_out = $_POST['check_out'];

    if (strtotime($check_in) >= strtotime($check_out)) {
        $error = "Check-out must be after check-in.";
    } else {
        $stmt = $conn->prepare("UPDATE bookings SET check_in = ?, check_out = ?
WHERE id = ?");
        if ($stmt->execute([$check_in, $check_out, $booking_id])) {
            header("Location: manage_bookings.php");
            exit();
        } else {
            $error = "Failed to update booking.";
        }
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Edit Booking</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>
```

```
</head>
<body>

<header>
    <h1>Edit Booking</h1>
</header>

<main>
    <div class="edit-container">
        <h2>Update Booking Dates</h2>

        <?php if (isset($error)) : ?>
            <p class="error"><?= htmlspecialchars($error) ?></p>
        <?php endif; ?>

        <form method="post">
            <label for="check_in">Check-in Date:</label>
            <input type="date" name="check_in" id="check_in" value="<?=
htmlspecialchars($booking['check_in']) ?>" required>

            <label for="check_out">Check-out Date:</label>
            <input type="date" name="check_out" id="check_out" value="<?=
htmlspecialchars($booking['check_out']) ?>" required>

            <button type="submit">Update Booking</button>
        </form>
    </div>
</main>

<footer>
    <p>&copy; <?= date("Y") ?> My Hotel</p>
</footer>

</body>
</html>
```

manage_bookings.php

```
<?php
require '../db/config.php';
session_start();

if (!isset($_SESSION['user_id'])) {
    header("Location: ../auth/login.php");
    exit();
}

$user_id = $_SESSION['user_id'];
$is_admin = $_SESSION['role'] === 'admin';

if ($is_admin) {
    $stmt = $conn->query("SELECT b.*, r.room_type AS room_name, u.username
                        FROM bookings b
                        JOIN rooms r ON b.room_id = r.id
                        JOIN users u ON b.user_id = u.id
                        ORDER BY b.check_in DESC");
} else {
    $stmt = $conn->prepare("SELECT b.*, r.room_type AS room_name
                        FROM bookings b
                        JOIN rooms r ON b.room_id = r.id
                        WHERE b.user_id = ?
                        ORDER BY b.check_in DESC");
    $stmt->execute([$user_id]);
}

$bookings = $stmt->fetchAll();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Manage Bookings</title>
    <link rel="stylesheet" href="../css/style.css">
    <script src="../js/main.js"></script>

</head>
<body>

<header>
    <h1>Manage Bookings</h1>
</header>

<main>
    <div class="booking-container">
        <h2><?= $is_admin ? 'All Bookings' : 'Your Bookings' ?></h2>

        <?php if (count($bookings) === 0): ?>
            <p style="text-align: center;">No bookings found.</p>
        <?php else: ?>
            <table>
```



```

        <tr>
            <th>Room</th>
            <th>Check-in</th>
            <th>Check-out</th>
            <?php if ($is_admin): ?>
                <th>User</th>
            <?php endif; ?>
            <th>Actions</th>
        </tr>
        <?php foreach ($bookings as $booking): ?>
            <tr>
                <td><?= htmlspecialchars($booking['room_name']) ?></td>
                <td><?= htmlspecialchars($booking['check_in']) ?></td>
                <td><?= htmlspecialchars($booking['check_out']) ?></td>
                <?php if ($is_admin): ?>
                    <td><?= htmlspecialchars($booking['username'])
?></td>

                    <?php endif; ?>
                <td class="actions">
                    <a href="edit_booking.php?id=<?= $booking['id']
?>">Edit</a>

                    <a href="delete_booking.php?id=<?= $booking['id']
?>" onclick="return confirm('Are you sure you want to delete this
booking?');">Delete</a>
                </td>
            </tr>
        <?php endforeach; ?>
    </table>
<?php endif; ?>
</div>
</main>

<footer>
    <p>&copy; <?= date("Y") ?> My Hotel</p>
</footer>

</body>
</html>

```

create_admin.php

```
<?php
require '../db/config.php';
session_start();

$adminEmail = 'admin@example.com';
$adminPassword = 'admin123';
$adminName = 'Admin';

$checkAdmin = $conn->prepare("SELECT id FROM users WHERE email = ?");
$checkAdmin->execute([$adminEmail]);

if (!$checkAdmin->fetch()) {
    $hashedPassword = password_hash($adminPassword, PASSWORD_DEFAULT);
    $stmt = $conn->prepare("INSERT INTO users (username, email, password, role)
VALUES (?, ?, ?, ?)");
    $stmt->execute([$adminName, $adminEmail, $hashedPassword, 'admin']);
    echo "<p style='color:green;'>✔ Admin account created: <strong>$adminEmail
/ $adminPassword</strong></p>";
} else {
    echo "<p style='color:blue;'>❗ Admin account already exists.</p>";
}
?>
```



```
style.css
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=
swap');

body {
  font-family: 'Poppins', sans-serif;
  background: #f5f7fa;
  margin: 0;
  padding: 0;
  color: #333;
}

h1, h2, h3 {
  color: #002244;
  margin-bottom: 20px;
  text-align: center;
}

label {
  font-weight: 500;
}

main {
  padding: 40px 20px;
  max-width: 1200px;
  margin: auto;
}

/
header, footer {
  background-color: #002244;
  color: white;
  text-align: center;
  padding: 1.5rem;
  box-shadow: 0 2px 8px rgba(0,0,0,0.1);
}

nav {
  margin-top: 10px;
  text-align: center;
}

nav a {
  margin: 0 10px;
  color: white;
  text-decoration: none;
  font-weight: 500;
  font-size: 1rem;
  transition: color 0.3s ease;
}
```

```

nav a:hover {
    color: #ffcc00;
}

button, .btn {
    background-color: #0056b3;
    color: white;
    padding: 12px 25px;
    border: none;
    border-radius: 8px;
    font-size: 1rem;
    transition: background-color 0.3s ease;
}

button:hover, .btn:hover {
    background-color: #003d80;
}

.edit-btn {
    background-color: #28a745;
    color: white;
}

.delete-btn {
    background-color: #dc3545;
    color: white;
}

form {
    display: flex;
    flex-direction: column;
    gap: 15px;
    max-width: 500px;
    margin: 30px auto;
    background: white;
    padding: 30px;
    border-radius: 15px;
    box-shadow: 0 0 15px rgba(0,0,0,0.1);
}

input[type="text"],
input[type="email"],
input[type="password"],
input[type="date"],
select {
    width: 100%;
    padding: 12px;
    margin-bottom: 20px;
    border: 1px solid #ccc;
    border-radius: 8px;
    font-size: 1rem;
}

```

```

}

.error {
  color: red;
  text-align: center;
  margin: 10px 0 20px;
}

.container,
.booking-container,
.edit-container {
  max-width: 1000px;
  margin: 40px auto;
  background-color: #fff;
  padding: 30px;
  border-radius: 12px;
  box-shadow: 0 5px 20px rgba(0, 0, 0, 0.1);
}

.room-card, .room-item {
  background-color: #fff;
  border-radius: 12px;
  box-shadow: 0 4px 15px rgba(0, 0, 0, 0.1);
  padding: 20px;
  text-align: center;
  overflow: hidden;
  transition: transform 0.3s ease, box-shadow 0.3s ease;
  margin-bottom: 30px;
}

.room-card:hover, .room-item:hover {
  transform: translateY(-5px);
  box-shadow: 0 10px 25px rgba(0,0,0,0.15);
}

.room-card img,
.room-item img {
  width: 100%;
  height: 180px;
  object-fit: cover;
  border-radius: 8px;
  margin-bottom: 15px;
}

.room-card h3,
.room-item h3 {
  color: #003366;
  margin-bottom: 10px;
}

.room-card p,
.room-item p {

```

```
        color: #555;
        margin-bottom: 10px;
    }

    .room-card .price {
        font-weight: bold;
        color: #009688;
        font-size: 1.1rem;
    }

    .room-card .btn,
    .room-item a {
        background-color: #28a745;
        color: white;
        text-decoration: none;
        padding: 10px 20px;
        border-radius: 6px;
        display: inline-block;
        transition: background-color 0.3s ease;
    }

    .room-card .btn:hover,
    .room-item a:hover {
        background-color: #1e7e34;
    }


    .room-grid,
    .room-list {
        max-width: 1200px;
        margin: 40px auto;
        padding: 0 20px;
        display: grid;
        grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
        gap: 25px;
    }


    .dashboard-menu {
        max-width: 600px;
        margin: 30px auto;
        display: flex;
        flex-direction: column;
        gap: 15px;
    }

    .dashboard-menu a {
        display: block;
        padding: 15px;
        background-color: #007bff;
        color: white;
```

```
        text-align: center;
        font-weight: 500;
        text-decoration: none;
        border-radius: 10px;
        transition: background-color 0.3s ease;
    }

    .dashboard-menu a:hover {
        background-color: #0056b3;
    }

    .room-details {
        display: flex;
        gap: 20px;
        margin-bottom: 30px;
    }

    .room-details img {
        width: 250px;
        border-radius: 10px;
        object-fit: cover;
        box-shadow: 0 0 10px rgba(0,0,0,0.1);
    }

    .room-info p {
        margin: 8px 0;
        color: #444;
    }

    .search-bar {
        max-width: 500px;
        margin: 20px auto;
        text-align: center;
    }

    .search-bar input[type="text"] {
        width: 95%;
        padding: 10px;
        border-radius: 6px;
        border: 1px solid #ccc;
        font-size: 1rem;
    }

    .search-bar button {
        padding: 10px 15px;
        background-color: #007BFF;
        color: white;
        border: none;
        border-radius: 6px;
        cursor: pointer;
        margin-left: 10px;
    }
```

```
.search-bar button:hover {
    background-color: #0056b3;
}

table {
    width: 100%;
    border-collapse: collapse;
    margin-top: 15px;
}

table th, table td {
    padding: 12px 15px;
    text-align: center;
    border-bottom: 1px solid #ccc;
}

table th {
    background-color: #003366;
    color: white;
}

table tr:nth-child(even) {
    background-color: #f9f9f9;
}

.actions a {
    margin: 0 5px;
    text-decoration: none;
    padding: 6px 10px;
    border-radius: 5px;
    font-size: 0.9rem;
}

.actions a:first-child {
    background-color: #28a745;
    color: white;
}

.actions a:last-child {
    background-color: #dc3545;
    color: white;
}

.actions a:hover {
    opacity: 0.85;
}

.welcome {
    text-align: center;
}
```



```
padding: 60px 20px;  
background: #f5f7fa;  
}
```

```
.welcome h2 {  
  font-size: 2rem;  
  color: #003366;  
  margin-bottom: 15px;  
}
```

```
.welcome p {  
  color: #555;  
  font-size: 1.1rem;  
  margin-bottom: 25px;  
}
```

```
.page-title {  
  text-align: center;  
  margin-top: 40px;  
  color: #003366;  
}
```

```
.no-results {  
  text-align: center;  
  color: #888;  
  margin-top: 20px;  
}
```

config.php

```
<?php
$host = 'localhost';
$dbname = 'hotelbooking2';
$user = 'root';
$pass = '';

try {
    $conn = new PDO("mysql:host=$host;dbname=$dbname;charset=utf8mb4", $user,
    $pass);
    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_ASSOC);
} catch (PDOException $e) {
    die("Connection failed: " . $e->getMessage());
}
?>
```

index.php

```
<?php
session_start();
require_once 'db/config.php';

$stmt = $conn->query("SELECT * FROM rooms WHERE available = 1 LIMIT 3");
$rooms = $stmt->fetchAll();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="Book your stay in our luxury hotel.
Discover comfortable rooms, friendly service, and affordable prices.">
    <meta name="keywords" content="Hotel, Booking, Rooms, Reservation, Stay">
    <meta name="author" content="Our Hotel">
    <title>Hotel Booking System</title>
    <link rel="stylesheet" href="css/style.css">

</head>
<body>

<header>
    <h1>Welcome to Our Hotel</h1>
    <nav>
        <a href="index.php">Home</a>
        <a href="available_rooms.php">Available Rooms</a>
        <?php if (isset($_SESSION['user_id'])): ?>
            <a href="bookings/manage_bookings.php">My Bookings</a>
            <?php if ($_SESSION['role'] === 'admin'): ?>
                <a href="admin/dashboard.php">Admin Panel</a>
            <?php endif; ?>
            <a href="auth/logout.php">Logout</a>
        <?php else: ?>
            <a href="auth/login.php">Login</a>
            <a href="auth/register.php">Register</a>
        <?php endif; ?>
    </nav>
</header>

<main>
    <section class="welcome">
        <h2>Enjoy a Luxurious Stay</h2>
        <p>Book your room now at the best price!</p>
        <a href="available_rooms.php" class="btn">View All Rooms</a>
    </section>

    <section class="available-rooms">
        <h2>Featured Rooms</h2>
```

```

        <div class="room-grid">
            <?php if (count($rooms) > 0): ?>
                <?php foreach ($rooms as $room): ?>
                    <div class="room-card">
                        
                        <h3><?= htmlspecialchars($room['room_type']) ?></h3>
                        <p>Price: $<?= number_format($room['price'], 2) ?> /
night</p>
                        <a href="bookings/book.php?room_id=<?= $room['id']; ?>"
class="btn">Book Now</a>
                    </div>
                <?php endforeach; ?>
            <?php else: ?>
                <p style="text-align: center;">No rooms available at the
moment.</p>
            <?php endif; ?>
        </div>
    </section>
</main>

<footer>
    <p>&copy; <?= date("Y") ?> Our Hotel. All rights reserved.</p>
</footer>

<script src="https://cdn.jsdelivr.net/npm/sweetalert2@11"></script>
<script src="js/main.js"></script>
</body>
</html>

```

main.js

```
document.addEventListener("DOMContentLoaded", () => {  
  const alerts = document.querySelectorAll('.alert');  
  alerts.forEach(alert => {  
    setTimeout(() => alert.style.display = 'none', 4000);  
  });  
});
```

rooms.php

```
<?php
require 'db/config.php';
session_start();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Available Rooms</title>
    <link rel="stylesheet" href="css/style.css">

</head>
<body>

<header>
    <h1>Our Hotel</h1>
</header>

<main>
    <h2 class="page-title">Available Rooms</h2>

    <div class="room-grid">
        <?php
            $stmt = $conn->prepare("SELECT * FROM rooms WHERE available = 1");
            $stmt->execute();
            $rooms = $stmt->fetchAll();

            foreach ($rooms as $room):
                ?>
                <div class="room-card">
                    <?php if ($room['image']): ?>
                        
                    <?php endif; ?>
                    <h3><?= htmlspecialchars($room['room_type']) ?></h3>
                    <p><?= htmlspecialchars($room['description']) ?></p>
                    <p><strong>$<?= number_format($room['price'], 2) ?></strong> /
night</p>
                    <a href="bookings/book.php?room_id=<?= $room['id'] ?>">Book
Now</a>
                </div>
            <?php endforeach; ?>
        </div>

</main>

<footer>
    <p style="text-align:center;">&copy; <?= date("Y") ?> Our Hotel</p>
</footer>

</body>
</html>
```


search_rooms.php

```
<?php
require 'config.php';

$rooms = [];

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $checkin = $_POST['checkin'] ?? '';
    $checkout = $_POST['checkout'] ?? '';

    if ($checkin && $checkout) {
        $stmt = $conn->prepare("
            SELECT * FROM rooms
            WHERE id NOT IN (
                SELECT room FROM bookings
                WHERE checkin < ? AND checkout > ?
            ) AND available = 1
        ");
        $stmt->execute([$checkout, $checkin]);
        $rooms = $stmt->fetchAll();
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Search Available Rooms</title>
    <link rel="stylesheet" href="css/style.css">
</head>
<body>

<header>
    <h1>Search Rooms</h1>
</header>

<main>
    <div class="container">
        <h2>Find an Available Room</h2>

        <form method="POST">
            <label for="checkin">Check-in Date:</label>
            <input type="date" name="checkin" id="checkin" required>

            <label for="checkout">Check-out Date:</label>
            <div class="search-bar">
                <input type="date" name="checkout" id="checkout" required>
            </div>

            <button type="submit">Search</button>
        </form>
    </div>
</main>
</body>
</html>
```



```

</form>

<?php if ($_SERVER['REQUEST_METHOD'] === 'POST'): ?>
    <h3>Available Rooms</h3>
    <?php if ($rooms): ?>
        <table>
            <tr>
                <th>ID</th>
                <th>Room Type</th>
                <th>Description</th>
                <th>Price</th>
            </tr>
            <?php foreach ($rooms as $room): ?>
                <tr>
                    <td><?= htmlspecialchars($room['id']) ?></td>
                    <td><?= htmlspecialchars($room['room_type'])
?></td>

                    <td><?= htmlspecialchars($room['description'])
?></td>

                    <td><?= number_format($room['price'], 2) ?></td>
                </tr>
            <?php endforeach; ?>
        </table>
    <?php else: ?>
        <p class="no-results">No rooms available for the selected
dates.</p>
    <?php endif; ?>
<?php endif; ?>
</div>
</main>

<footer>
    <p style="text-align:center;">&copy; <?= date("Y") ?> My Hotel</p>
</footer>

</body>
</html>

```