

Hotel Reservation System

By

Samanth Raj
22STUCHH010514

*Under Guidance of
Ms. Sathya*

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**Department of Computer Science Engineering
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Abstract

The Hotel Reservation System provides a user-friendly platform for customers to register and reserve rooms according to their preferences. Upon registration, each user is assigned a unique `customer_id`, which serves as their identifier throughout the reservation process. Using their `customer_id`, users can browse available rooms, select their desired dates, duration of stay, and specify any room preferences they may have

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Introduction

The Hotel Reservation System offers a convenient solution for travelers to secure their accommodations in advance, alleviating the stress and uncertainty associated with last-minute room searches. By enabling users to register or pre-book their rooms beforehand, the system ensures that their preferred accommodations are reserved and waiting for them upon arrival.

In scenarios where travelers arrive late at night or during peak periods when most rooms are occupied, pre-booking through the Hotel Reservation System proves invaluable. Users can rest assured knowing that their reserved room will be held for them, regardless of the time they arrive. This not only provides peace of mind but also eliminates the hassle of scrambling to find available rooms in unfamiliar surroundings. Central to the Hotel Reservation System is the concept of customer convenience. By requiring users to obtain a unique customer ID for booking, the system ensures efficient management of reservations and personalized service delivery. New users can easily register by clicking on the "Join Now" option, streamlining the process of creating an account and initiating their booking journey.

Features

1. **User Registration:** Customers can create an account within the system, providing necessary personal information for registration.
2. **Unique Customer ID:** Upon successful registration, each user is assigned a unique `customer_id`, facilitating easy identification and management of reservations.
3. **Room Selection:** Users can view available rooms based on their selected dates and duration of stay. They can browse through various room options, including room type, amenities, and price.
4. **Reservation Management:** Customers can make reservations by selecting their preferred room and specifying the check-in and check-out dates. They can also indicate any special preferences or requests, such as room location or additional services.

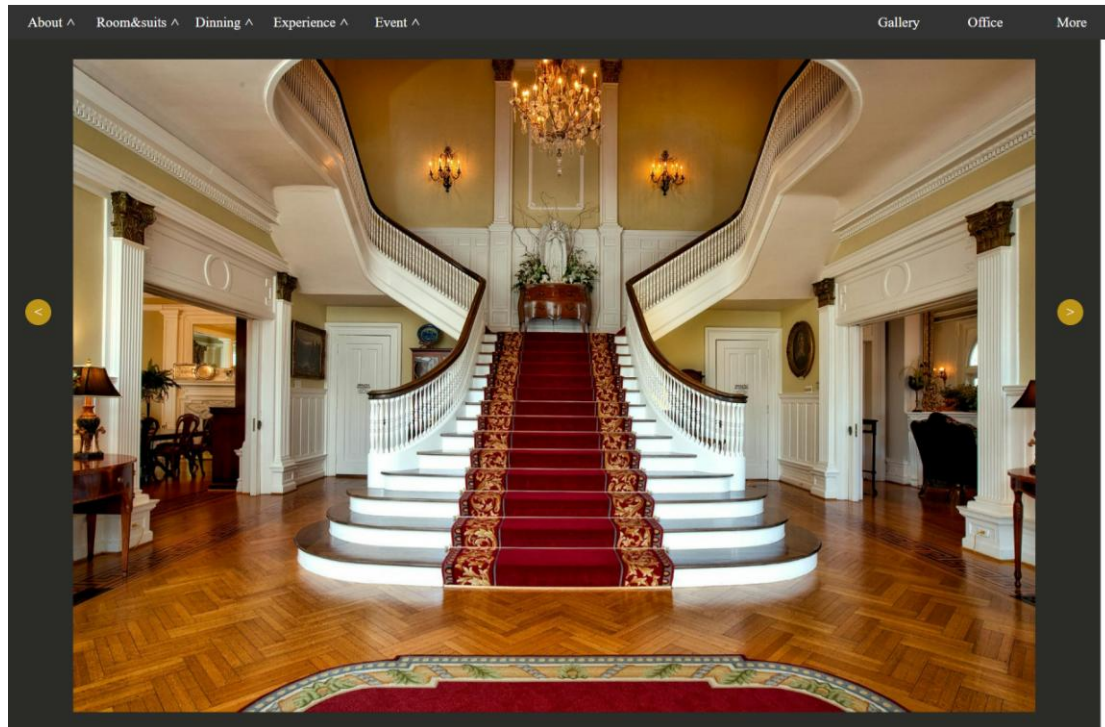
5. **Real-time Availability:** The system provides real-time updates on room availability, ensuring accurate and up-to-date information for users during the reservation process.

Hotel Reservation System Interface:

Home page:

The Home Page serves as the virtual entrance to the hotel, offering guests a glimpse into its ambiance and offerings. To captivate users and encourage exploration, the following elements are integrated:

- **Visual Appeal:** The Home Page features striking imagery of the hotel's exterior, lobby, and key amenities, evoking a sense of luxury and comfort.
- **Branding Elements:** Consistent branding elements such as the hotel logo, color scheme, and typography establish a cohesive identity and reinforce brand recognition.
- **Design Rooms Showcase:** A carousel or grid layout showcasing high-resolution images of the hotel's design rooms allows guests to envision their stay and select their preferred accommodation.
- **Navigation Convenience:** A user-friendly navigation menu, strategically placed and intuitively designed, enables seamless transition to other sections of the website, including the Reservation and Join Us pages.

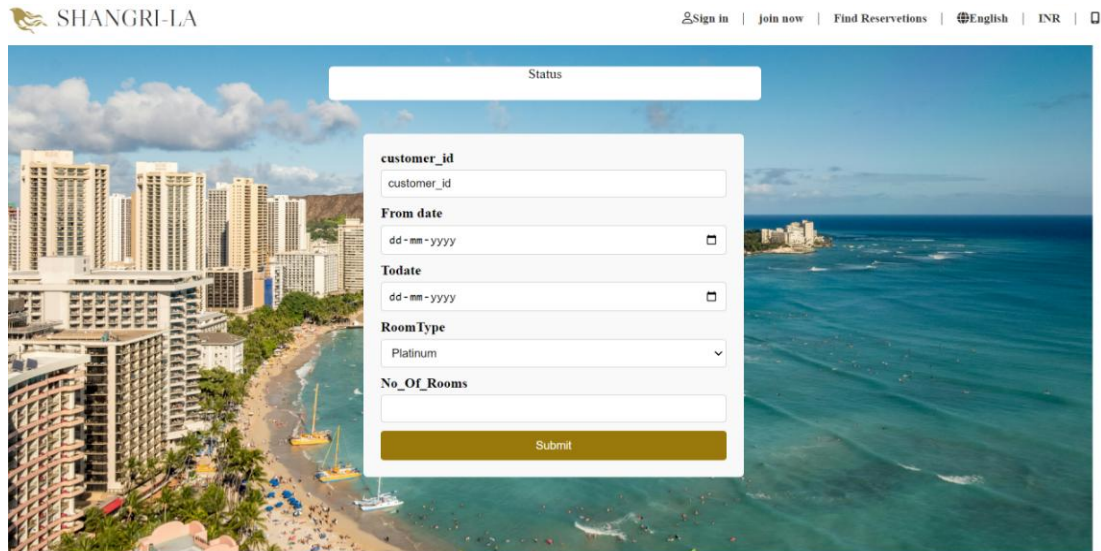


Reservation page:

The Reservation Page is the heart of the HRS interface, where guests initiate the booking process. To simplify this process and enhance user satisfaction, the following features are implemented:

- **Streamlined Booking Form:** A concise and intuitive booking form prompts users to input essential details such as check-in and check-out dates, number of rooms required, and room preferences (e.g., Premium, Signature, Comfort).
- **Dynamic Room Availability Display:** Real-time updates on room availability based on the selected dates provide transparency and assist users in making informed decisions.
- **Personalization Options:** Additional fields for special requests or preferences allow guests to tailor their experience, such as requesting a specific floor or amenities.

- **Responsive Design:** The Reservation Page is designed with responsiveness in mind, ensuring compatibility across various devices and screen sizes for a seamless booking experience on desktops, tablets, and smartphones.



Join us page:

The Join Us Page serves as the gateway for new guests to register and become part of the hotel's community. To encourage registration and simplify the process, the following strategies are employed:

- **User-Friendly Registration Form:** A concise and easy-to-complete registration form prompts users to provide basic information such as name, email address, and phone number.
- **Database Integration:** Seamless integration with the HRS database ensures that user information is securely stored and accessible for future bookings, while also assigning a unique customer ID for identification and tracking purposes.
- **Clear Call-to-Action:** A prominent call-to-action button encourages users to register, accompanied by persuasive copy highlighting the benefits of joining the hotel's loyalty program or newsletter.

- **Privacy Assurance:** Transparent information regarding data security measures and privacy policies instills trust and confidence in users, alleviating concerns about the confidentiality of their personal information

Signup Form

Name

Email address

Phone number

EER Diagram of hsr database:

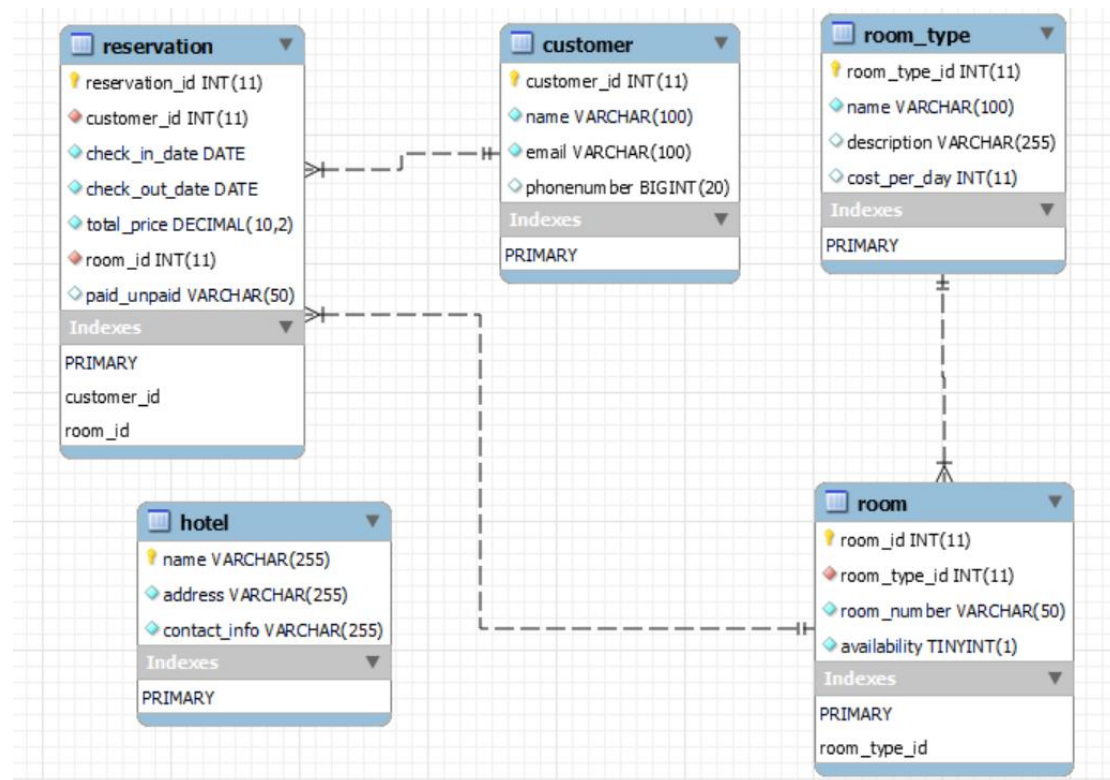


Table Schema:

Hotel Table

```
use hsr;
CREATE TABLE Hotel (
    name VARCHAR(255) NOT NULL,
    address VARCHAR(255) NOT NULL,
    contact_info VARCHAR(255) NOT NULL,
    PRIMARY KEY (name) -- Assuming the hotel name is unique
);
```

Room Table

```
) CREATE TABLE Room (  
    room_id INT PRIMARY KEY AUTO_INCREMENT,  
  
    room_type_id INT NOT NULL,  
    number VARCHAR(50) NOT NULL,  
    availability BOOLEAN NOT NULL,  
  
    FOREIGN KEY (room_type_id) REFERENCES Room_Type(room_type_id)  
) ;
```

Room-Type Table

```
--  
) CREATE TABLE Room_Type (  
    room_type_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(100) NOT NULL,  
    description VARCHAR(255),  
    cost_per_day int  
) ;
```

Customer Table

```
› CREATE TABLE Customer (  
    customer_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(100) NOT NULL,  
    email VARCHAR(100) NOT NULL,  
    phone_number VARCHAR(20) NOT NULL  
);
```

Reservation Table

```
▸ CREATE TABLE Reservation (  
    reservation_id INT PRIMARY KEY AUTO_INCREMENT,  
    customer_id INT NOT NULL,  
    check_in_date DATE NOT NULL,  
    check_out_date DATE NOT NULL,  
    total_price DECIMAL(10, 2) NOT NULL,  
    room_id INT NOT NULL,  
    FOREIGN KEY (customer_id) REFERENCES Customer(customer_id),  
    FOREIGN KEY (room_id) REFERENCES Room(room_id)  
);
```

Literature Survey

Recommended Hardware Requirements:

- Pentium Processor or higher
- 128 MB RAM or higher
- 200 MB of Disk Storage or higher

Recommended Software Requirements:

- Windows 7 or later
- Microsoft Edge Browser
- Mysql database
- Xampp Software with localhost configuration
- Xampp Apache server
- Xampp Mysql server
- Visual Studio Code

Technologies Used:

- HTML5 and later
- CSS 3
- PHP 5 and later
- Mysql database
- Xampp control panel
- Apache Web Server
- Mysql Web Server
- Visual Studio Code editor

Working of HSR

Home Page Header Section:

At the top header section of the Home Page, users are presented with two anchor tags: "Join Now" and "Find Reservation." These options offer convenient access to important functionalities of the Hotel Reservation System (HRS).

Join Now Anchor Tag:

Clicking on the "Join Now" anchor tag redirects users to the join.php page.

Here, new users can register by providing their name, phone number, and email address.

Upon successful registration, users receive a unique customer ID, which they can use for future reservations.

Find Reservation Anchor Tag:

The "Find Reservation" anchor tag allows users to quickly navigate to the reservation.php page.

This page facilitates the process of finding and booking hotel reservations based on user preferences and availability.

Hotel Information Section:

Below the header section, users can find detailed information about the hotel, its amenities, and services. This section aims to provide users with a comprehensive overview of what the hotel has to offer, enticing them to explore further and make a reservation.

Reservation Process:

Join.php Page:

1. New users click on the "Join Now" anchor tag to access the join.php page.
2. Here, users fill out the registration form with their name, phone number, and email address.
3. Upon submission, the system generates a unique customer ID for the user.

Reservation.php Page:

1. Users return to the Home Page and click on the "Find Reservation" anchor tag to access the reservation.php page.
2. Here, users are prompted to provide their customer ID, desired check-in and check-out dates, room type preference, and the number of rooms required.
3. Upon submission, the HRS checks for room availability based on the provided information.

Reservation Outcome:

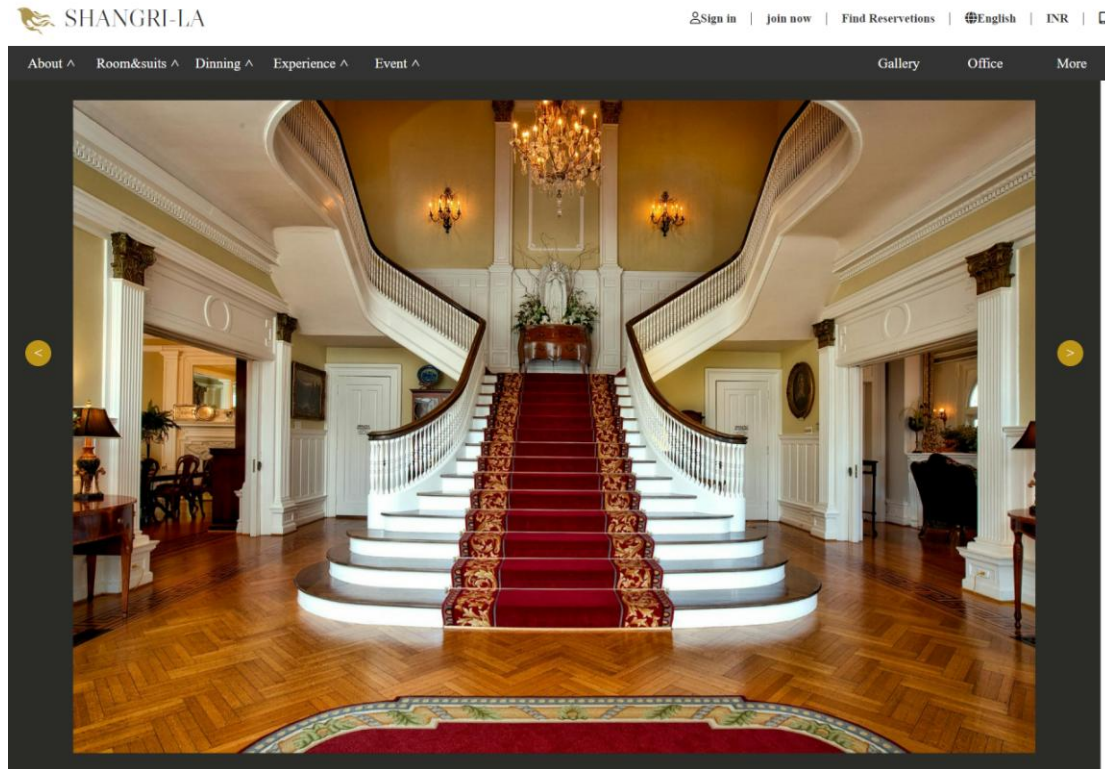
If rooms are available for the specified dates and preferences, users are redirected to a success page confirming their reservation.

If rooms are not available, users are redirected to a page notifying them that rooms matching their criteria are not available for the specified dates.

Users may be provided with alternative options or prompted to adjust their reservation criteria accordingly.

This seamless and intuitive reservation process ensures a user-friendly experience for guests looking to book accommodations at the hotel through the HRS.

Outcome of pages:



On clicking join now --

Signup Form

Name
samanth

Email address
samanth@gmail.com

Phone number
989899999

Submit

Signup Form

Name
Enter your name

Email address
Enter your email

Phone number
Enter your phone number

Submit

your customer id is 26
note it
your registration is complete



[Sign in](#) | [Join now](#) | [Find Reservations](#) | [English](#) | [INR](#) | [🏠](#)

Status

customer_id
2

From date
24-04-2024

To date
25-04-2024

Room Type
Signature

No_Of_Rooms
1

Submit

If customer_id is already in data base--

Success! Your reservation has been successfully made.



Thank you for choosing Shangri-La Hotel for your stay. We are honored to be a part of your journey.

If the provided customer ID is not known or incorrect, an error message will be displayed, prompting the user to enter a valid customer ID

Conclusion:

In conclusion, the Hotel Reservation System (HRS) stands as a cornerstone in the seamless operation of hotel management, offering guests a convenient and efficient platform to book accommodations and experience the luxury and comfort of the Shangri-La hotel. Through intuitive user interfaces, streamlined reservation processes, and robust backend functionalities, the HRS not only enhances the guest experience but also empowers hotel staff with the tools necessary to efficiently manage bookings, room availability, and customer information.

With features like easy registration for new users, detailed room descriptions, and error handling mechanisms for reservation processes, the HRS ensures a user-friendly experience for guests at every step of their journey. By leveraging technology to automate manual tasks, optimize resource allocation, and provide real-time insights into hotel operations, the HRS enables the Shangri-La hotel to deliver unparalleled service and exceed guest expectations.

Looking ahead, continuous refinement and innovation in the HRS will be essential to keep pace with evolving guest preferences, industry trends, and technological advancements. By staying agile and responsive to the needs of both guests and hotel staff, the HRS will remain a key enabler in driving operational efficiency, enhancing guest satisfaction, and maintaining the Shangri-La hotel's position as a premier destination for luxury accommodation and unparalleled hospitality.

Appendix

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta3/css/all.min.css">
  <link rel = "stylesheet" href = "style.css">
```

```
</head>
<body>
  <header>
    <div class="container">
      <div class="logo">
        <span id="icon"> <i class="fa-brands fa-phoenix-framework"></i> </span>
        <p id ="title">SHANGRI-LA</p>
      </div>
      <div class="nav">
        <div class="sign">
          <i class="fa-regular fa-user"></i><a href="" >Sign in</a>
        </div>
        <div class="seperate"></div>
        <div class="join">
          <a href="join.php">
            join now
          </a>
        </div>
        <div class="seperate"></div>
        <div >
          <a href="reservation.php" class="reser">Find Reservetions</a>
        </div>
        <div class="seperate"></div>
        <div class="english">
          <i class="fa-solid fa-globe"></i><a href="">English</a>
        </div>
        <div class="seperate"></div>
        <div class="in">
          <p>INR</p>
        </div>
        <div class="seperate"></div>
        <div class="phone">
          <i class="fa-solid fa-mobile-screen-button"></i>
        </div>
      </div>
    </div>
    <div class="info">
      <div class="first">
        <div id="about" class = "size box">
          About<p class="j">^</p>
        </div>
```

```

<div id="room" class = "size box ">
Room&suits <p class="j">^</p>
</div>
<div id="dining" class = "size box" >
  Dinning <p class="j">^</p>
</div>
<div id="exper" class = "size box" >
  Experience<p class="j">^</p>
</div>
<div id="event" class = "size box" >
  Event <p class="j">^</p>
</div>
</div>
<div class="second">
  <div id="galary" class = "size" >
  Gallery
  </div>
  <div id="office" class = "size" >
  Office
  </div>
  <div class = "size" >
  More
  </div>
</div>

```

```

</div>
</header>
<body>

```

```

<div class="dis">
  <div class="about" class="flex-box">
    <p class="titl">About the Resort</p>
    <ul>
      <li class="space">Overview</li>
      <li class="space"><a href="" class="space">Explore Singapore</a></li>
      <li class="space"><a href="" class="space">Services & Facilities</a></li>
      <li class="space"><a href="" class="space">The Palawan @ Sentos</a></li>
      <li class="space"><a href="" class="space">Map & Directions</a></li>
      <li class="space"><a href="" class="space">Awards</a></li>
    </ul>
  </div>
  <div class="room" class="flex-box">
    <div class="first-li">
      <p class="titl">Room</p>
      <ul id = "fst-li">
        <li class="space">Superior Hill View
        <li class="space">Deluxe Sea View
          <li class="space">Panoramic Sea View
          <li class="space">Deluxe Pool View
          <li class="space">Family Garden
            <li class="space">Terrace Pool View
            <li class="space">Terrace Sea View
          </ul>
        </ul>
      </div>
      <div class="second-li">
        <p class="titl">Suites
        </p>
        <ul>
          <li class="space"> Suites
            <li class="space">Island Suite
              <li class="space">Deluxe Sea View Suite
                <li class="space">Panorama Suite
                  <li class="space">Sentosa Suite
                </ul>
            </ul>
          </ul>
        </div>
      <div class="third-li">
        <p class="titl">Connecting Rooms

```

```

        </p>
        <ul>

            <li class=space>Two Superior Hill View Rooms Connecting
            <li class=space>Two Deluxe Sea View Rooms Connecting

        </ul>
    </div>
</div>
</div>

    <div class="dining" class="flex-box">
<div class="first-li">
    <p class="titl">Restaurment</p>
    <ul>
<li class="space">
    Casserole
    </li>
<li class="space">
    Casserole
    </li>
<li class="space">

        Trapizza</li>
    </ul>
</div>
<div class="second-li">
    <p class="titl">Bars & Lounges
    </p>
    <ul>
        <li class="space">
            The Bubble Bar
            </li>
            <li class ="space">

                Siloso Beach Bar</li>
    </ul>
</div>
</div>

    <div class="Experience" class="flex-box">
<div class="first-li">
    <p class="titl">Sports & Recreation
    </p>
    <ul >
        <li class="space">Casserole
            </li>
        <li class="space"> Silver Shell Cafe
            </li>
        <li class="space">Trapizza</li>
    </ul>
</div>
<div class="second-li">
    <p class="titl">Chi, The Spa
    </p>
    <ul>
        <li class="space">Overview
            </li>
        <li class="space">Good to Know</li>
    </ul>
</div>
<div class="third-li">
    <p class="titl">For Kids
    </p>
    <ul>
        <li class="space"> Overview
            </li>
        <li class="space"> Cool Zone (Kids Club)

            </li>

        <li class="space"> Children's Swimming Pool, Water Slides and Splash Pad
    </li>
    </ul>
</div>

```

```

        </li>
        <li class="space"> Nestopia
        </li>
    </ul>
</div>
        </div>
        <div class="Event" class="flex-box">
    <div class="first-li">
        <p class="titl">Meetings & Events
        </p>
        <ul>
            <li class="space"> Overview
            </li>
            <li class="space"> Experience It

                </li>
            <li class="space"> Unique Destination Events

                </li>
            <li class="space"> Book Meeting Room Online
            </li>
            <li class="space"> Event Spaces

                </li>
        </ul>
    </div>
    <div class="second-li">
        <p class="titl">Weddings & Celebrations
        </p>
        <ul>
            <li class="space">
                Overview

                </li>
            <li class="space">
                Weddings By Shangri-La

                </li>
            <li class="space">
                Wedding Packages

                </li>
            <li class="space">
                Celebration Packages

                </li>
            <li class="space">
                Request for Proposal

                </li>
        </ul>
    </div>
</div>
</div>

```

```

<div class="carosol">
    <div class="odl ">
        <div class="left">
            <p><</p>
        </div>
    </div>
    <div class="odr">
        <div class="right">
            <p>>>/p>
        </div>
    </div>
</div>
<div class="court">

```

```

    ;
    ;
    ;
    ;
    ;
  </div>
</div>

```

```
<script src = "logic.js">
```

```

</script>
</body>
</html>

```

Reservation.php

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.0.0-beta3/css/all.min.css">

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

```

```

.text{
  background-color: white;
  width:500px;
  height:40px;
  border-radius: 5px;
  position: absolute;
  top:85px;
  left:380px;
  text-align: center;
  color:black;
}

```

```

</style>
</head>
<body>
  <header>
    <div class="container">

      <div class="logo">

        <span id="icon"> <i class="fa-brands fa-phoenix-framework"></i> </span>
        <p id ="title">SHANGRI-LA</p>

      </div>
      <div class="nav">
        <div class="sign">
          <i class="fa-regular fa-user"></i><a href="" >Sign in</a>
        </div>
      <div class="seperate"></div>
      <div class="join">

```

```

        <a href="join.php">
            join now
        </a>
    </div>
    <div class="seperate"></div>
    <div >
        <a class="reser">Find Reservetions</a>
    </div>
    <div class="seperate"></div>
    <div class="english">
        <i class="fa-solid fa-globe"></i><a href="">English</a>
    </div>
    <div class="seperate"></div>
    <div class="in">
        <p>INR</p>
    </div>
    <div class="seperate"></div>
    <div class="phone">
        <i class="fa-solid fa-mobile-screen-button"></i>
    </div>

    </div>
</div>

```

```

</header>

<body>

<div class="reser_back">

</div>

```

```

<form action="reservation.php" method="post" id="formpop" >
    <label id="name">customer_id</label>
    <input type = "text" name="customer_id" value="customer_id">
    <label>From date</label>
    <input type = "date" name="fromdate" value="fromdate">
    <label >Todate</label>
    <input type = "date" name="todate" value="todate">
    <label id="roomtype">
        RoomType
    </label>
    <select name="roomtype">
        <option value="platinum">Platinum </option>
        <option value="signature">Signature </option>
        <option value="comfort">Comfort </option>
    </select>
    <label id=no_of_room> No_Of_Rooms</label>
    <input type = "TEXT" name="no_of_rooms" >
    <input type="submit" name="button" >
</form>

```

```

<div class="text" >
    <P>Status</P>
    <?php
        if(isset($boolean)){
            echo "YOUR RESERVATION IS SUCCESFUL";

```

```

        }
        ?>
</div>

```

```

<?php

```



```
include("data.php");
```

```
?>  
<script src = "logic.js"></script>  
</body>  
</html>
```

Data.php

```
<?php  
  
if(isset($_POST["button"])){  
$customer_id = $_POST["customer_id"];  
$from_date = $_POST["fromdate"];  
$to_date = $_POST["todate"];  
$room_type = $_POST["roomtype"];  
$no_of_rooms = filter_input(INPUT_POST, 'no_of_rooms', FILTER_SANITIZE_NUMBER_INT);
```

```
$servername = "localhost";  
$username = "root";  
$password = "";  
$database = "hsr";  
$conn = "";  
$cost = 0;
```

```
try{  
// Create connection  
$conn = mysqli_connect($servername, $username, $password, $database);
```

```
//Check connection
```

```
}  
catch(exception){  
echo"better luck next time";
```

```
}
```

```
/* this if else blocks will check the room type and give per day cost of the perticular type room */  
if($room_type="Premium"){  
$cost = 7000;  
}  
else if($room_type ="Signature"){  
$cost = 5000;  
}  
else{  
$cost = 4000;  
}  
/* using DateTime class so that i can get diff in numb to calculate total prize */  
$fromdate = new DateTime($from_date);  
$todate = new DateTime($to_date);  
$interval = $todate->diff($fromdate);  
$n = $interval-> days;
```

```
$total_price = $no_of_rooms * $cost * $n ;  
$q ="select customer_id from customer where customer_id ='$customer_id'";  
$r = mysqli_query($conn,$q);  
if($r){
```

```
$query = "SELECT room_id FROM Room  
WHERE room_type_id = (SELECT room_type_id FROM Room_Type WHERE name = '$room_type')"
```

```

AND availability = 1
AND room_id NOT IN (
    SELECT room_id FROM Reservation
    WHERE ('$from_date' BETWEEN check_in_date AND check_out_date)
    OR ('$to_date' BETWEEN check_in_date AND check_out_date)
)
LIMIT $no_of_rooms";
$result = mysqli_query($conn, $query);

```

```

if (mysqli_num_rows($result) == $no_of_rooms) {
    // Rooms available, start transaction
    mysqli_begin_transaction($conn);

```

```

    try {
        // Insert reservation records for each booked room and update availability
        while ($row = mysqli_fetch_assoc($result)) {
            $room_id = $row["room_id"];
            // You need to implement this function
            // Insert reservation record

            $insert_query = "INSERT INTO Reservation (customer_id, check_in_date, check_out_date,
total_price, room_id)
                VALUES ('$customer_id', '$from_date', '$to_date', '$total_price', '$room_id')";
            mysqli_query($conn, $insert_query);

```

```

            // Update room availability
            $update_query = "UPDATE Room SET availability = 0 WHERE room_id = '$room_id'";
            mysqli_query($conn, $update_query);
            echo "reservation successful";
            header("Location:index.php");
            $boolean =TRUE;
        }

```

```

        // Commit transaction
        mysqli_commit($conn);

        echo "Reservation successful!";
    } catch (Exception $e) {
        // Rollback transaction if an error occurs
        mysqli_rollback($conn);

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

```

```

else {
    echo "Sorry, rooms are not available for the selected dates.";
}

```

```

}
else{
    echo"your customer_id is invalid <br>";
    echo "click on join now to get your customer_id";
}
}

```

```

?>

```

Join.php

```

<?php

```

```

if(isset($_POST["button"])){
$customer_id = $_POST["customer_id"];
$from_date = $_POST["fromdate"];
$to_date = $_POST["todate"];
$room_type = $_POST["roomtype"];
$no_of_rooms = filter_input(INPUT_POST, 'no_of_rooms', FILTER_SANITIZE_NUMBER_INT);

```

```

$servername = "localhost";
$username = "root";
$password = "";
$database = "hsr";
$conn = "";
$cost =0;

```

```

try{
// Create connection
$conn = mysqli_connect($servername, $username, $password, $database);

```

```

//Check connection

```

```

}
catch(exception){
    echo"better luck next time";

```

```

}

```

```

/* this if else blocks will check the room type and give per day cost of the perticular type room */
if($room_type="Premium"){
$cost = 7000;
}
else if($room_type ="Signature"){
$cost = 5000;
}
else{
    $cost = 4000;
}
/* using DateTime class so that i can get diff in numb to calculate total prize */
$fromdate = new DateTime($from_date);
$todate = new DateTime($to_date);
$interval = $todate->diff($fromdate);
$n = $interval-> days;

```

```

$total_price = $no_of_rooms * $cost * $n ;
$q ="select customer_id from customer where customer_id ='$customer_id'";
$r = mysqli_query($conn,$q);
if($r){

```

```

$query = "SELECT room_id FROM Room
WHERE room_type_id = (SELECT room_type_id FROM Room_Type WHERE name = '$room_type')
AND availability = 1
AND room_id NOT IN (
    SELECT room_id FROM Reservation
    WHERE ('$from_date' BETWEEN check_in_date AND check_out_date)
    OR ('$to_date' BETWEEN check_in_date AND check_out_date)
)
LIMIT $no_of_rooms";
$result = mysqli_query($conn, $query);

```

```

if (mysqli_num_rows($result) == $no_of_rooms) {
    // Rooms available, start transaction
    mysqli_begin_transaction($conn);

```

```

    try {
        // Insert reservation records for each booked room and update availability
        while ($row = mysqli_fetch_assoc($result)) {
            $room_id = $row["room_id"];
            // You need to implement this function

```

```

        // Insert reservation record

        $insert_query = "INSERT INTO Reservation (customer_id, check_in_date, check_out_date,
total_price, room_id)
                        VALUES ('$customer_id', '$from_date', '$to_date', '$total_price', '$room_id')";
        mysqli_query($conn, $insert_query);

```

```

        // Update room availability
        $update_query = "UPDATE Room SET availability = 0 WHERE room_id = '$room_id'";
        mysqli_query($conn, $update_query);
        echo "reservation successful";
        header("Location:index.php");
        $boolean =TRUE;
    }

```

```

        // Commit transaction
        mysqli_commit($conn);

        echo "Reservation successful!";
    } catch (Exception $e) {
        // Rollback transaction if an error occurs
        mysqli_rollback($conn);

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

```

```

else {
    echo "Sorry, rooms are not available for the selected dates.";
}

```

```

}
else{
    echo"your customer_id is invalid <br>";
    echo "click on join now to get your customer_id";
}
}

```

```

?>

```

For success messege

Index.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QwTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">
    <style>

        .image img{
            position:relative;
            left:10px;
height:264 px;
            width :397px;
        }
    </style>
</head>

```

```
<body>

<div class="alert alert-success alert-dismissible fade show" role="alert">
  <strong>Success!</strong> Your reservation has been successfully made.

</div>
<div class="image">
  <img id = "image" src = "al-elmes-ULHxWq8reao-unsplash.jpg" >
</div>

<div class="text"><P>Thank you for choosing Shangri-La Hotel for your stay. We are honored to be a part of
your journey.</P></div>
</body>
</html>
```

References

- <https://www.shangri-la.com/en/singapore/rasentosaresort/rooms-suites/suites/island-suite/>

