

# **HOTEL MANAGEMENT SYSTEM**

## **A MINI-PROJECT REPORT**

**FOR THE COURSE  
21CS212– INTERNET PROGRAMMING LABORATORY**

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## **BONAFIDE CERTIFICATE**

Certified that this project report “**TIME SERIES ANALYSIS OF ARIMA ALGORITHM ON INDIA DEBT PREDICTION**” is the bonafide work of “**HIRTHIKHA.K(913121104038)&KAMALIKANMANI.K(913121104049)**” who carried out the project work under my supervision.

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## OBJECTIVE

This project has been composed with the aim of designing a software on Hotel Management System. A lot of effort has been made to make this project report interesting and a learning experience for us. This report has been explained with the help of diagrams and figures. The running project has presented through a PowerPoint representation. The subject matter has been compiled in a simple, illustrative and lucid manner.

The main objective of a hotel management system is to streamline the various processes and operations involved in managing a hotel, such as reservations, check-ins and check-outs, room allocation, housekeeping, inventory management, and billing. The system helps to automate many of these tasks, making them more efficient and reducing the workload for hotel staff.

The specific objectives of a hotel management system may include:

**Improving the guest experience:** A hotel management system can help ensure that guests have a smooth and hassle-free stay, from the time they make a reservation to the time they check out. It can also help hotels personalize their services and offerings to better meet the needs and preferences of individual guests.

**Increasing operational efficiency:** By automating many of the routine tasks involved in managing a hotel, a hotel management system can help reduce errors, save time, and streamline processes. This can help hotel staff focus on delivering exceptional service to guests.

**Enhancing revenue management:** A hotel management system can help hotels optimize their room rates and inventory, based on demand and other factors. This can help hotels maximize revenue and profitability.

**Improving inventory management:** A hotel management system can help hotels track and manage their inventory of rooms, supplies, and other resources. This can help reduce waste, control costs, and ensure that the hotel has the necessary resources to meet guest needs.

**Providing data and insights:** A hotel management system can generate data and insights that can help hotel managers make informed decisions about pricing, marketing, and operations. This can help hotels stay competitive and adapt to changing market conditions.

## **LIST OF ABBREVIATIONS OF LANGUAGES USED**

HTML	Hyper Text Markup Language
CSS	Cascading Style Sheets
Js	Java Script
JSTL	Java Server Page Tag Library
SQL	Structured Query Languages

## **LIST OF ABBREVIATIONS IN HOTEL MANAGEMENT SYSTEM**

CRS	Customer Relationship Management System
OTA	Online Travel Agency
RMS	Revenue Management System
PMS	Property Management System
CMS	Content Management System

## TABLE OF CONTENTS

CHAPTER NUMBER	TITLE	PAGE NUMBER
	<b>OBJECTIVE</b>	<b>I</b>
	<b>LIST OF ABBREVIATIONS</b>	<b>II</b>
<b>1</b>	<b>INTRODUCTION</b> 1. Overview 2. HTML,CSS,Servlet,Javascript,JSTL language	<b>1</b> 1 1
<b>2</b>	<b>MODULE DESCRIPTION</b> 2.1 About Us 2.2 Room Reservation and Bill generation 2.3 Banquet Reservation and Bill generation 2.4 Restaurant facilities 2.5 Hotel facilities and other services 2.6 Location 2.7 Feedback 2.8 Code	<b>17</b> 17 17 21 23         
<b>3</b>	<b>RESULTS</b> • Output 1 • Output 2 • Output 3 • Output 4 • Output 5 • Output 6 • Output 7 • Output 8	<b>51</b> 51 54 57 60         
<b>4</b>	<b>CONCLUSION AND FUTURE SCOPE</b> 5.1 Future scope	<b>61</b> 61
	<b>ANNEXURE</b> <b>A.1 REFERENCES</b> • Website Links	<b>65</b> 65

# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 OVERVIEW:**

A hotel management system (HMS) is a software solution designed to streamline the management of hotel operations and improve the guest experience. It helps hotel staff manage reservations, check-ins and check-outs, room allocation, housekeeping, inventory management, billing, and other tasks.

An HMS typically consists of a suite of modules that work together to provide a complete solution for managing hotel operations. Some of the key modules include:

**Reservations:** This module allows guests to make reservations online or through a call center, and enables hotel staff to manage reservations, check availability, and allocate rooms.

**Front desk:** This module facilitates check-ins and check-outs, manages guest profiles, and handles billing and payment processing.

**Housekeeping:** This module helps hotel staff manage the cleaning and maintenance of rooms, track inventory of linens and supplies, and schedule maintenance and repairs.

**Sales and marketing:** This module helps hotel managers track sales and marketing activities, manage promotions and packages, and analyze revenue data.

**Accounting:** This module handles financial transactions such as invoicing, payment processing, and financial reporting.

**Analytics and reporting:** This module generates data and insights that help hotel managers make informed decisions about pricing, marketing, and operations.

The benefits of using a hotel management system include increased operational efficiency, improved guest experience, enhanced revenue management, better inventory management, and more data-driven decision making. By automating many of the routine tasks involved in managing a hotel, an HMS can help hotel staff focus on delivering exceptional service to guests and growing the business.

## **CHAPTER 2**

### **Module Descriptions**

#### **2.1 About Us**

A hotel management system is a software application that helps hoteliers efficiently manage their day-to-day operations.

It allows hotel staff to streamline their tasks, improve guest experiences, and maximize revenue. The system typically includes modules for managing reservations, room inventory, guest information, billing and payments, housekeeping, and other hotel operations. It can also provide business intelligence and reporting capabilities

to help hoteliers make informed decisions. With a hotel management system, hotels can increase their efficiency, reduce errors, and provide a better experience for guests. A hotel management system is a software application that helps hoteliers efficiently manage their day-to-day operations.

#### **2.2 Room Reservation and Bill Generation**

**Room reservation and bill generation are two important features of a hotel management system.**

Room Reservation:

The room reservation module of a hotel management system allows guests to book rooms online or through other channels such as phone or email.

The system enables the hotel staff to manage room availability, check-in, and check-out processes.

Bill Generation:

The bill generation module of a hotel management system streamlines the billing and payment process.

The bill generation module also integrates with payment gateways and other financial systems, enabling guests to pay using credit cards, debit cards, online wallets, or other payment methods. The system also generates reports on revenue, occupancy, and other financial metrics, helping hotel management make informed decisions.

#### **2.3 Banquet Hall Reservation and Bill Generation**

##### **BANQUET HALL RESERVATION :**

Banquet booking is an important module of a hotel management system that allows guests to book and manage event spaces and services such as conferences, meetings, weddings, and other social events. The banquet booking module enables guests to view and book available event spaces and associated services, such as catering, audiovisual equipment, decoration, and other amenities.

Bill Generation:

The bill generation module of a hotel management system streamlines the billing and payment process.

The bill generation module also integrates with payment gateways and other financial systems, enabling guests to pay using credit cards, debit cards, online wallets, or other payment methods. The system also generates reports on revenue, occupancy, and other financial metrics, helping hotel management make informed decisions.

## 2.4 Restaurant Facilities

The restaurant facilities module is an integral part of a hotel management system that allows hotels to manage their restaurant operations efficiently. This module includes features such as table management, menu management, order processing, inventory management, and payment processing.

The menu management feature enables the hotel staff to create and manage menus, including dishes,

## 2.5 Hotel Facilities and other Services

In addition to the core modules such as room reservation, banquet booking, and restaurant facilities, a hotel management system can also include other services to enhance guest experience and improve hotel operations.

Some examples of other services that can be included in a hotel management system are:

1. Housekeeping Management: This module enables the hotel staff to manage room cleaning and maintenance tasks efficiently, including room assignments, housekeeping schedules, and inventory management for cleaning supplies.
2. Spa and Wellness Services: This module enables guests to book spa treatments, massages, and other wellness services, and allows the hotel staff to manage bookings, appointments, and inventory of spa products.
3. Loyalty Programs: This module enables the hotel to create and manage loyalty programs for guests, including point systems, discounts, and rewards.

## 2.6 Location

It describes the address of the hotel and google map reference to reach the hotel.

## 2.7 Feedback

It gets the name, email, feedback of the customer if they face any issue during booking they can refer here.

## 2.8 Code

### Homepage Code

```
<html>

  <body>

    <div class="main">

      <div class="navbar">

        <div class="icon">

          <h2 class="logo">LUXURY DREAM HOTEL</h2>

        </div>

        <div class="menu">

          <ul>
```



```

        <li><a href="about.html">ABOUT US</a></li>

        <li><a href="room.html">ROOMS</a></li>

        <li><a href="loc.html">LOCATION</a></li>

        <li><a href="banquet.html">BANQUET</a></li>

        <li><a href="#">RESTAURANT FACILITIES</a></li>

        <li><a href="#">OTHER FACILITIES</a></li>

        <li><a href="#">OUR GALLERY</a></li>

    </ul>

</div>

</div>

<div class="content">

    <h1>book room & <br><span>stay with us</span> <br>happily</h1>

    <p class="par">The great advantage of hotel is that it is a refuge from home life <br>
    Spend the happy life with us in our home luxuriously

    <br> Facilities provided inside a hotel room may range from a modest-quality
    mattress in a small room<br>to large suites with bigger, higher-quality beds, a dresser, a
    refrigerator</p>

    <div class="form">

        <h2>Login Here</h2>

        <input type="email" name="email" placeholder="Enter Email Here">

        <input type="password" name="pwd" placeholder="Enter Password Here">

        <dialog id="myFirstDialog" style="width:40%;hieght:30px;background-
        color:pink;border:1px dotted black;">

            <br><br><p><q>LOGGED In SUCCESSFULLY</q></p>

            <button id="hide">Ok</button>

        </dialog>

        <button class="btnn" id="show"><a href="#">Login</a></button>

    </div>

    <script type="text/JavaScript">

    (function() {

        var dialog = document.getElementById('myFirstDialog');

        document.getElementById('show').onclick = function() {

```

```

        dialog.show();
    };
    document.getElementById('hide').onclick = function() {
        dialog.close();
    };
    })0;
</script>

```

```

        <p class="link">Don't have an account<br>
        <a href="#">Sign up here</a></p>
    </div> </div>

```

```

</body>
</html>

```

### **Banque.html**

```

<html>
<body>
    <center>
        <h1>WELCOME TO LUXURY DREAM HOTEL BOOKING SITE</h1>
        <h1>THANKING YOU FOR CHOOSING US !</h1>
        <H2>BANQUET </H2>
    </center>
    <form action="banquetbill" method="get">
        <center>
            <h2 class="he1">BOOKING FORM</h2>
            <h3>
                NAME : <input type="text" name="uname" placeholder="Enter your name :
"><br>
                EMAIL : <input type="email" name="mail" placeholder="Enter your email :
"><br>
                GENDER : MALE<input type="radio" name="gen"
value="male">FEMALE<input type="radio" name="gen" value="female"><br>
                NATIONALITY:<input type="text" name="nation"><br>
            </h3>
        </center>
    </form>

```

```

        address : <input type="text" name="add" placeholder="Enter Your address"><br>
        PHONE NUMBER : <input type="number" name="phone" placeholder="Enter
Your Phone number"><br>
        BANQUET COST : <input type="number" name="cost" value="30000"><br>
        ENTER THE CHECK-IN DATE : <input type="date" name="in"
placeholder="Enter the check-in date"><br>
        ENTER THE CHECK-OUT DATE : <input type="date" name="out"
placeholder="Enter the check-out date">
    </h3>
    <input type="submit" value="BOOK BANQUET">
</center>
</form>
</body>
</html>

```

### **Banquebill.java – servlet code**

```

public class banquebill extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        PrintWriter out = response.getWriter();
        String name=request.getParameter("uname");
        String email=request.getParameter("mail");
        String nation=request.getParameter("nation");
        String address=request.getParameter("add");
        int phone=Integer.parseInt(request.getParameter("phone"));
        int room_cost=Integer.parseInt(request.getParameter("cost"));
        String check_in=request.getParameter("in");
        String check_out=request.getParameter("out");
        try{
            out.println("<body>");
            out.println("<h1> LUXURY DREAM HOTEL </h1>");
            out.println("<h1> YOUR BILL </h1><br>");

```

```

        out.println("<hr>");
out.println("<center><h3>GUEST NAME :"+name);
out.println("<br>GUEST EMAIL : "+email);
out.println("<br>GUEST NATION : "+nation);
out.println("<br>GUEST ADDRESS : "+address);
out.println("<br>GUEST PHONE: "+phone);
out.println("<br>ROOM COST : "+room_cost);
out.println("<br>CHECK IN DATE : "+check_in);
out.println("<br>CHECK OUT DATE : "+check_out+"</h3>");
out.println("<br><h4>THANK YOU FOR BOOKING OUR BANQUET HALL !
"+"</h4>");
out.println("<form action=\"index.html\">\n" +
"    <input type=\"submit\" value=\"CLICK HERE TO GO TO HOME PAGE\">\n" +
"    </form>");
out.println("</center>");
        out.println("</body>");
        out.println("</html>");
    }

```

## ROOM BOOKING CODE :

```

<!DOCTYPE html>
<html>
    <body>
        <h1 class="head1">EXPLORE OUR ROOMS AND FEEL LUXURY</h1>
        <fieldset class="f1">
            <div class="slider">
                <div id="img">
                    
                </div>
            </div>
        </fieldset>
        <script src="script.js"></script>
    </body>
</html>

```

```
<fieldset class="f2">
  <legend class="leg1">SINGLE BED ROOM
  </legend>
  <h3>ROOM NAME : single bed room<br><br>
    ROOM TYPE : AC AND NON-AC<br><br>
    NUMBER OF ROOMS AVAILABLE : 20<br><br>
    ROOM COST : 10000<br>
  </h3>
  <button class="btnn" id="show"><a href="check_avail.html">BOOK</a></button>
</fieldset><fieldset class="f3">
  <legend class="leg2">SINGLE BED ROOM
  </legend>
  
</fieldset><br>
<fieldset class="f4">
  <legend class="leg3">DOUBLE BED ROOM
  </legend>
  <h3>ROOM NAME : double bed room<br><br>
    ROOM TYPE :AC AND NON AC<br><br>
    NUMBER OF ROOMS AVAILABLE : 20<br><br>
    ROOM COST : 14000<br>
  </h3>
  <button class="btnn" id="show"><a href="check_avail1.html">BOOK</a></button>
</fieldset><fieldset class="f5">
  <legend class="leg4">DOUBLE BED ROOM
  </legend>
  
</fieldset>
<br>
<fieldset class="f6">
```

```
<legend class="leg5">SUITE ROOM
</legend>
<h3>ROOM NAME : suite room<br><br>
    ROOM TYPE :AC AND NON AC<br><br>
    NUMBER OF ROOMS AVAILABLE : 20<br><br>
    ROOM COST : 15000<br>
</h3>
<button class="btnn" id="show"><a href="check_avail2.html">BOOK</a></button>
</fieldset><fieldset class="f7">
    <legend class="leg6">SUITE ROOM
    </legend>
    
</fieldset>
<fieldset class="f8">
    <legend class="leg7">COTTAGE ROOM
    </legend>
    <h3>ROOM NAME : cottage room<br><br>
        ROOM TYPE :AC AND NON AC<br><br>
        NUMBER OF ROOMS AVAILABLE : 20<br><br>
        ROOM COST : 18000<br>
    </h3>
    <button class="btnn" id="show"><a href="chack_avail3.html">BOOK</a></button>
</fieldset><fieldset class="f9">
    <legend class="leg8">COTTAGE ROOM
    </legend>
    
</fieldset><br>
<fieldset class="f10">
    <legend class="leg9">IGL00 ROOM
```

```

</legend>
<h3>ROOM NAME : igloo room<br><br>
    ROOM TYPE :AC AND NON AC<br><br>
    NUMBER OF ROOMS AVAILABLE : 20<br><br>
    ROOM COST : 20000<br>
</h3>
<button class="btnn" id="show"><a href="check_avail4.html">BOOK</a></button>
</fieldset><fieldset class="f11">

    <legend class="leg10">IGLOO ROOM
    </legend>
    
</fieldset>
<fieldset class="f12">
    <legend class="leg11">TENT ROOM
    </legend>
<h3>ROOM NAME : tent room<br><br>
    ROOM TYPE :NON AC<br><br>
    NUMBER OF ROOMS AVAILABLE : 20<br><br>
    ROOM COST : 24000<br>
</h3>
<button class="btnn" id="show"><a href="check_avail5.html">BOOK</a></button>
</fieldset><fieldset class="f13">
    <legend class="leg12">TENT ROOM
    </legend>
    
</fieldset>

</body>
</html>

```

## Check\_avail.html

```
<html>

<body>

<center><h1 class="head">CHECK YOUR ROOM AVAILABILITY</h1></center>

<form action="availableservlet" method="post">

    <fieldset class="f2">

        <legend class="leg1">CHECK ROOM AVAILABILITY</legend>

        <center>

            <h1>

                ENTER CHECK IN DATE : <input type="date" name="in"><br><BR>

                ENTER CHECK OUT DATE : <input type="date" name="out"><br>

                <input type="submit" value="CHECK AVAILABILTY">

            </h1>

        </center>

    </fieldset>

</form>

</body>

</html>
```

## Availableservlet.java

```
public class availableservlet extends HttpServlet {

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        PrintWriter out = response.getWriter();

        Connection con=null;

        PreparedStatement stmt=null;

        ResultSet rs=null;

        Try{

            out.println("<h1>ROOM AVAILABILITY</h1><BR><BR><BR><br>");

            Class.forName("com.mysql.jdbc.Driver");

            con=DriverManager.getConnection("jdbc:mysql://localhost/hotel_management","root","");
```



```

String sql = "SELECT * FROM room";

stmt = con.prepareStatement(sql);

rs=stmt.executeQuery();

out.println("<table border='1'><style>\n" + "\n" +
"table, th, td {\n" + "\n" + "border: 3px solid white;\n" + "\n" + "}\n" + "\n" + "</style>");

out.println("<tr><th>ROOM ID</th><th>ROOM TYPE</th><th>ROOM
PRICE</th><th>ROOM CAPACITY</th><th>AVAILABLE ROOMS</th></tr>");

while (rs.next()) {

    out.println("<tr><td>" + rs.getString(1) + "</td><td>" + rs.getString(2) +
"</td><td>" + rs.getInt(3) + "</td><td>" + rs.getInt(4) + "</td><td>" + rs.getInt(5) +
"</td></tr>");

}

out.println("</center>");

out.println("</table>");

out.println("<br><br><br>");

out.println("<form action=\"booksingle_ac.html\">\n" +
"
    <input type=\"submit\" value=\"GO TO BOOKING\">\n" +
"
    </form>");

}

```

### JSP CODE FOR BILL GENERATION :

```

<!DOCTYPE html>

<html>

    <body>

        <center>

            <h1 class="head1">LUXURY DREAM HOTEL<br><br>

            <c:set var="now" value="<%= new java.util.Date() %>" />

            CURRENT DATE AND TIME : <c:out value="{now}" /><br></h1>

            <h1 class="head2">

<c:set var="name" value="{param.uname}">

</c:set>

        <br>Dear,<c:out value="{name}"></c:out><br>Your booking has been
confirmed<br><br></h1>

```

```

    <fieldset class="f1"><legend class="l1">BILL DETAILS</legend> <h3>
GUEST NAME : <c:out value="\${name}"></c:out>
    <c:set var="email" value="\${param.mail}">
</c:set>
<br>GUEST EMAIL :<c:out value="\${email}"></c:out><br>
    <c:set var="gender" value="\${param.gen}">
</c:set>
    <c:choose>
    <c:when test="\${fn:contains(gender,'male')}">
GENDER : MALE<br>
    </c:when><c:otherwise>
GENDER : FEMALE<br>
    </c:otherwise></c:choose>
    <c:set var="nationality" value="\${param.nation}"></c:set>
NATIONALITY:<c:out value="\${nationality}"></c:out><br>
    <c:set var="address" value="\${param.add}"></c:set>
ADDRESS:<c:out value="\${address}"></c:out><br>
    <fmt:parseNumber var="phone" type="number"
value="\${param.phone}"></fmt:parseNumber>
PHONE NUMBER : <c:out value="\${phone}"></c:out><br>
    <fmt:parseNumber var="cost" type="number" value="\${param.cost}"></fmt:parseNumber>
ROOM COST : <c:out value="\${cost}"></c:out><br>
    <fmt:parseNumber var="qty" type="number" value="\${param.no}"></fmt:parseNumber>
ROOM TYPE: SINGLE BED ROOM<br>
    <c:if test="\${not empty param.in}">
        <p>CHECK-IN DATE: \${param.in}</p></c:if>
        <c:if test="\${not empty param.out}">
            <p>CHECK-OUT DATE: \${param.out}</p></c:if>
    <c:set var="single_bed_room" value="\${10000}"></c:set>
    <c:set var="amount1" value="\${qty*single_bed_room}"></c:set>
YOUR BILL AMOUNT IS : <c:out value="\${amount1}"></c:out>

```

```
<br> *****
<br><form action="index.html">
<input type="submit" value="GO TO HOME PAGE">
  </body>
</html>
```

## CHAPTER 3

# RESULTS

Figure 4.1-

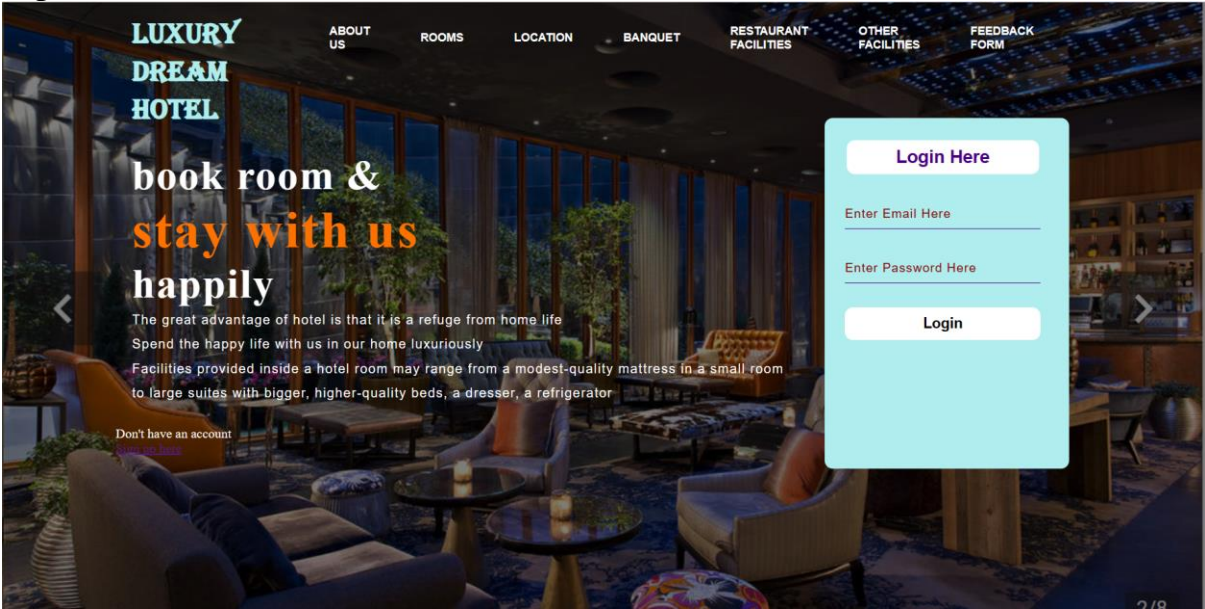


Figure 4.2-

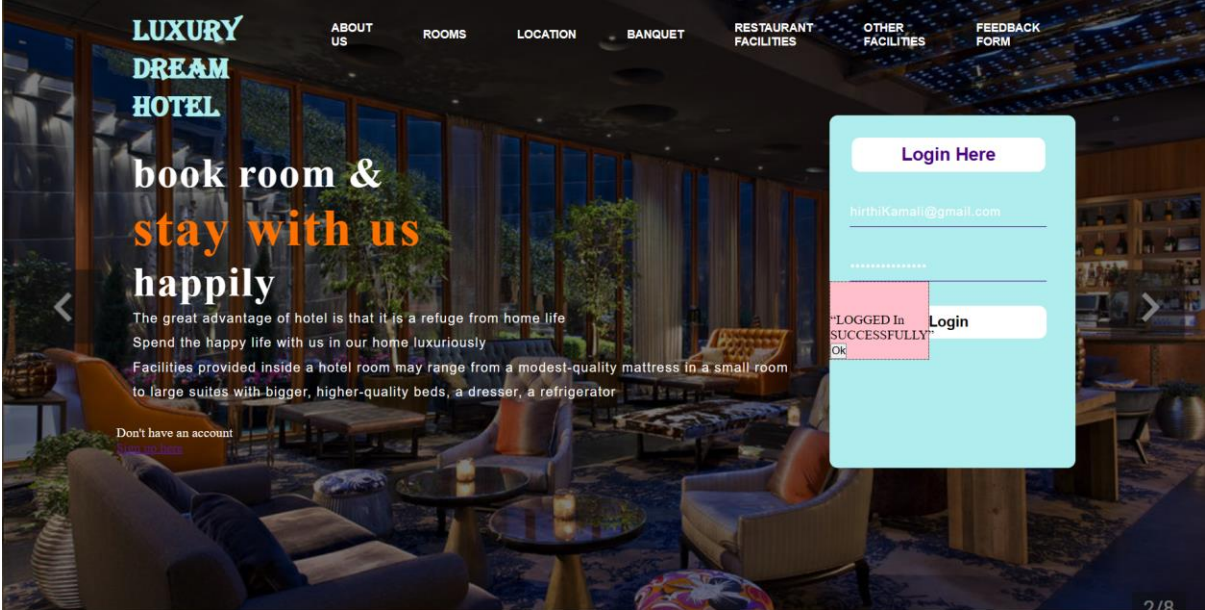


Figure 4.3-



## WELCOME TO LUXURY DREAM HOTEL

### ABOUT US

LUXURY DREAM HOTEL BEGAN APPEARING IN THE 1980S IN MAJOR CITIES LIKE LONDON, NEW YORK, AND SAN FRANCISCO. TWO OF THE FIRST OPENED IN 1981: BLAKES HOTEL IN SOUTH KENSINGTON, LONDON (DESIGNED BY ANOUSKA HEMPEL) AND THE BEDFORD IN UNION SQUARE, SAN FRANCISCO (THE FIRST IN A SERIES OF 34 BOUTIQUE HOTELS CURRENTLY OPERATED BY THE KIMPTON GROUP). ALTHOUGH THERE IS SOME DEBATE AS TO WHETHER IT WAS THE FIRST BOUTIQUE HOTEL, MORGANS, FOUNDED BY IAN SCHRAGER AND STEVE RUBELL IN NEW YORK CITY, IS THE MOST NOTABLE OF THE ERA; IT DEBUTED IN 1984. SAN FRANCISCO & LOS ANGELES BOUTIQUE HOTELIERS, PAUL RUFFINO, CHARLES MOSSER & CHIP CONNELLY WERE ENGAGED IN WHAT WAS AN EAST COAST/WEST COAST DEBATE OVER WHO COINED THE PHRASE. MANY HAVE LAID CLAIM.[2] INTERNATIONAL HOTEL CHAINS LATER BEGAN TO ESTABLISH LUXURY BOUTIQUE SUB-BRANDS TO CAPITALIZE ON THE GROWTH OF THIS SECTOR.[3] RECENTLY, MAJOR HOTEL CHAINS HAVE STARTED TO INTRODUCE SOFT BRANDS; SOFT BRAND ASSOCIATION ALLOWS INDEPENDENT HOTEL OWNERS TO BENEFIT FROM THEIR EXPERTISE, BRAND RECALL AND DISTRIBUTION MUSCLE WHILE RETAINING THE CONCEPT, CHARACTER AND DESIGN OF THE HOTEL.

### DESCRIPTION

#### EXPLORE OUR ROOMS AND FEEL LUXURY



SINGLE BED ROOM

SINGLE BED ROOM

ROOM NAME : single bed room

ROOM TYPE : AC AND NON-AC

NUMBER OF ROOMS AVAILABLE : 20

ROOM COST : 10000

BOOK



DOUBLE BED ROOM

ROOM NAME : double bed room

ROOM TYPE : AC AND NON AC

NUMBER OF ROOMS AVAILABLE : 20

ROOM COST : 14000

BOOK

DOUBLE BED ROOM



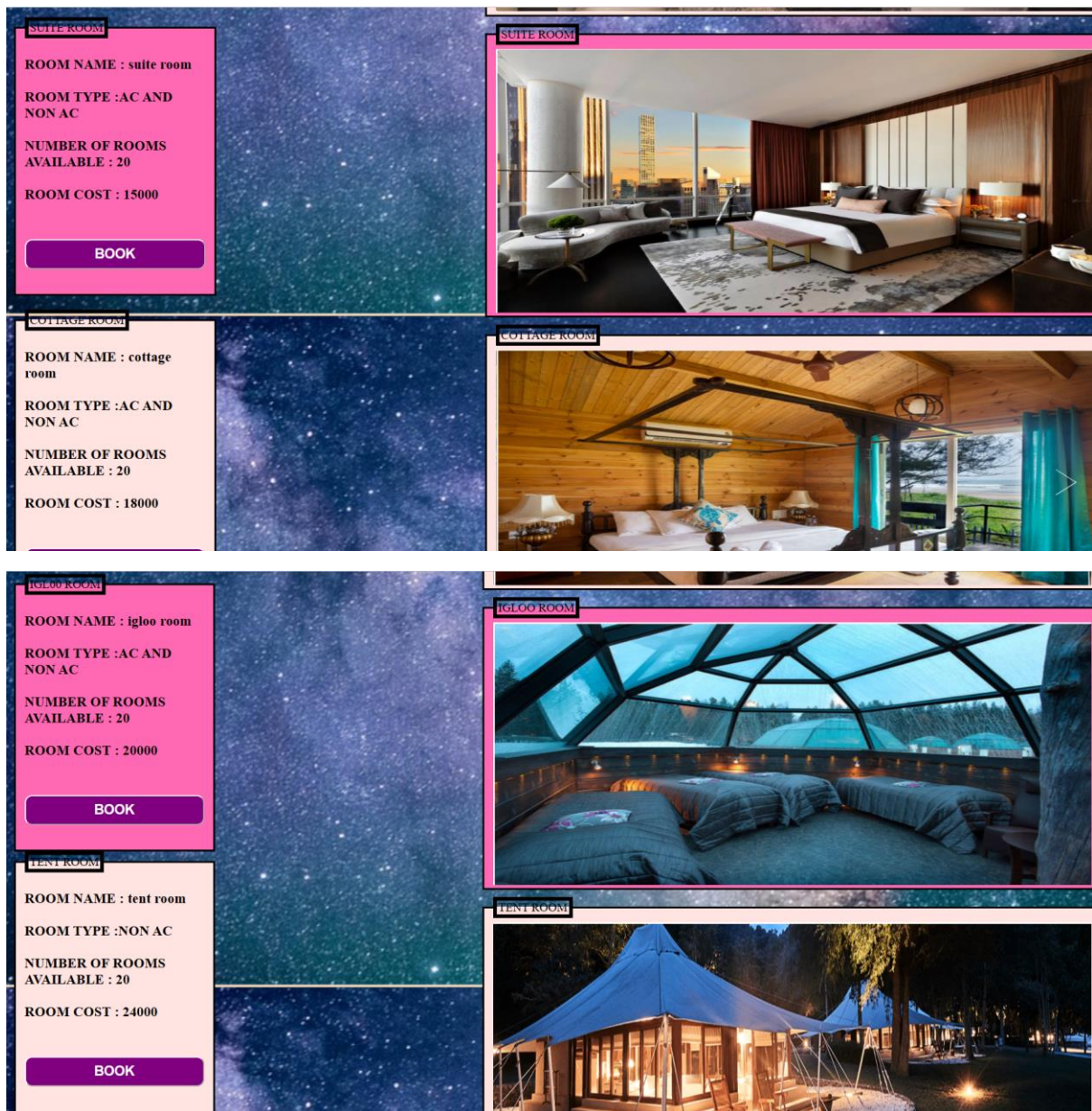


Figure 4.4-



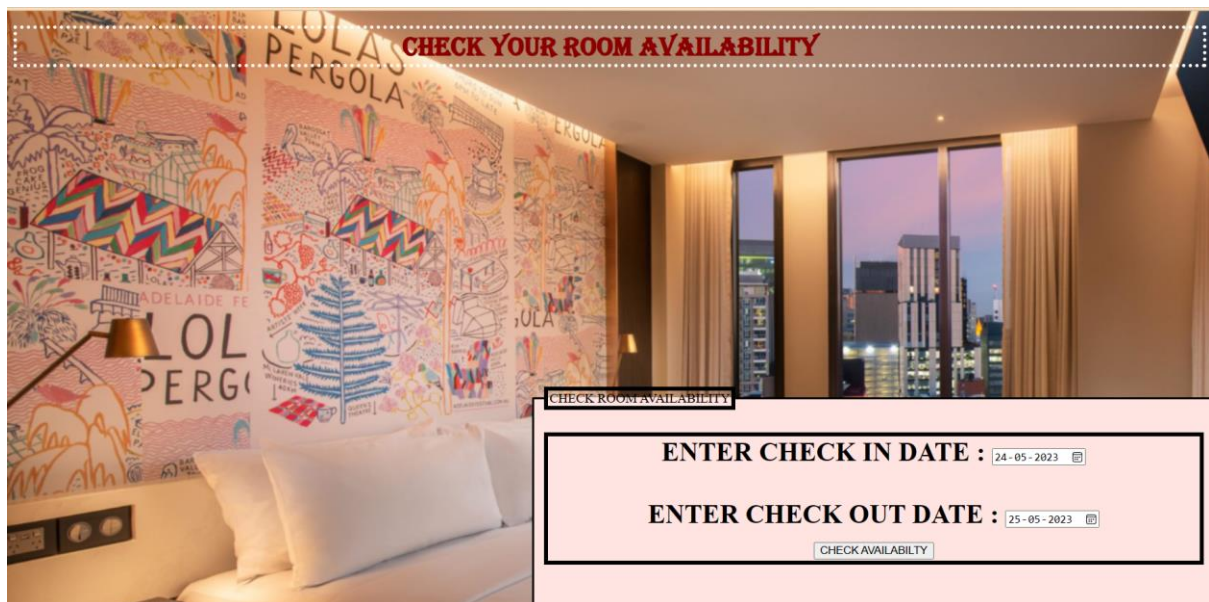
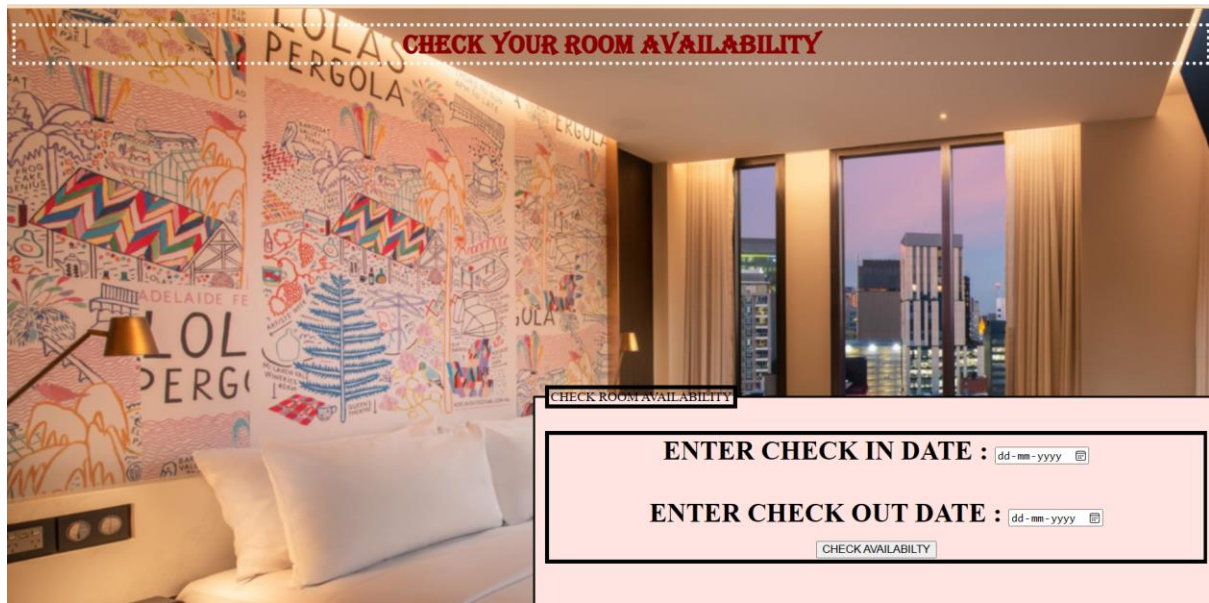


Figure 4.4-

Server: localhost » Database: hotel\_management » Table: room

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 5 (6 total, Query took 0.0006 seconds.)

SELECT \* FROM `room`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

room_id	room_type	room_price	capacity	available_rooms
room01	single bed room	10000	1	20
room02	double bed room	14000	2	20
room03	suite room	15000	4	20
room04	cottage room	18000	5	20
room05	igloo room	20000	4	20
room06	tent room	24000	2	20

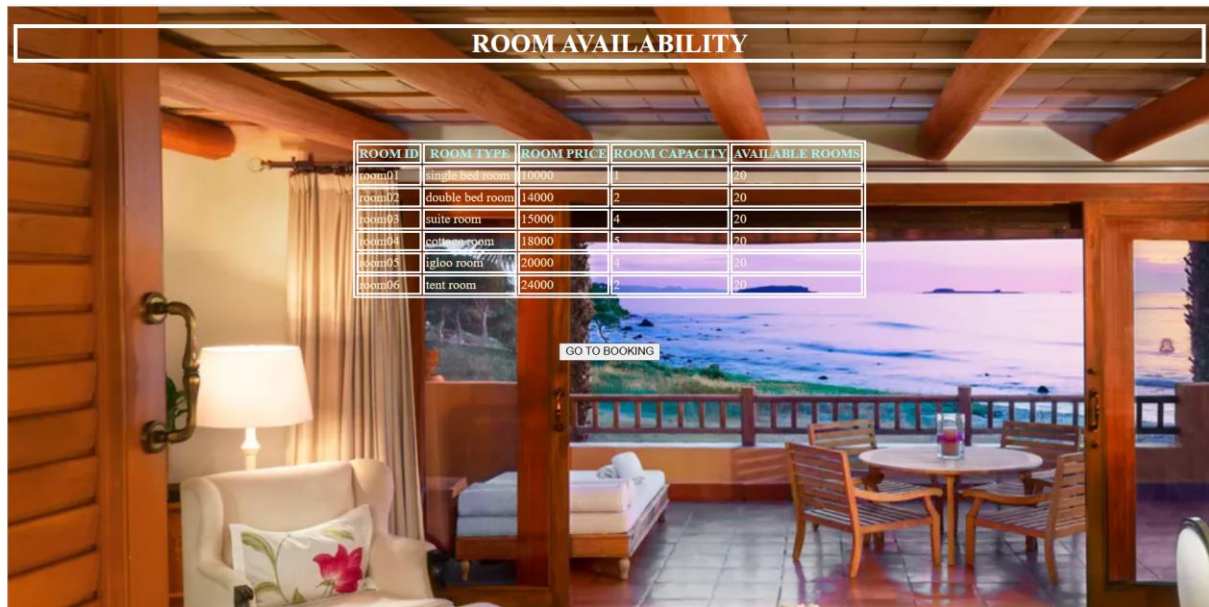


Figure 4.5-



Figure 4.6-



Server: localhost » Database: hotel\_management » Table: reservations

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Tracking](#)
[Triggers](#)

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 11 (12 total, Query took 0.0005 seconds.)

`SELECT * FROM `reservations``

☐ Profiling
 [\[ Edit inline \]](#)
[\[ Edit \]](#)
[\[ Explain SQL \]](#)
[\[ Create PHP code \]](#)
[\[ Refresh \]](#)

☐ Show all
 Number of rows: 25
 Filter rows:

Extra options

customer_name	customer_email	nationality	address	phone_number	room_cost	booked_room	check_in_date	check_out_date
hirthikha_kamali	hirthi26@gmail.com	india	4566 yercaud main road	9342626	10000	2	2023-04-26	2023-04-30
hirthikha_kamali	hirthi26@gmail.com	india	4566 yercaud main road	9342626	14000	2	2023-04-26	2023-04-30
hirthikha_kamali	hirthi26@gmail.com	india	4566 yercaud main road	9342626	15000	2	2023-04-25	2023-04-30
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	10000	2	2023-04-26	2023-04-30
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	10000	2	2023-04-26	2023-04-30
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	10000	2	2023-04-26	2023-04-30
hirthikha k	hirthi26@gmail.com	india	4566 yercaud main road	9342626	15000	2	2023-04-05	2023-04-26
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	14000	2	2023-04-05	2023-04-20
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	10000	3	2023-04-06	2023-04-21
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	15000	3	2023-04-05	2023-04-19
dhurkha	dhurk@gmail.com	india	4566 yercaud main road	9342626	14000	3	2023-04-12	2023-05-03
hirthikha_kamali	hirthi26@gmail.com	india	4566 yercaud main road	9342626	14000	2	2023-05-26	2023-05-31

LUXURY DREAM HOTEL

CURRENT DATE AND TIME : Mon May 01 18:31:07 IST 2023

Dear,hirthikha\_kamali  
Your booking has been confirmed

BILL DETAILS

GUEST NAME : hirthikha\_kamali  
GUEST EMAIL : hirthi26@gmail.com  
GENDER : MALE  
NATIONALITY:india  
ADDRESS:4566 yercaud main road  
PHONE NUMBER : 9342626  
ROOM COST : 14000  
ROOM TYPE: DOUBLE BED ROOM  
  
CHECK-IN DATE: 2023-05-26  
CHECK-OUT DATE: 2023-05-31  
  
YOUR BILL AMOUNT IS : 28000  
\*\*\*\*\*  
GO TO HOME PAGE

Figure 4.7-

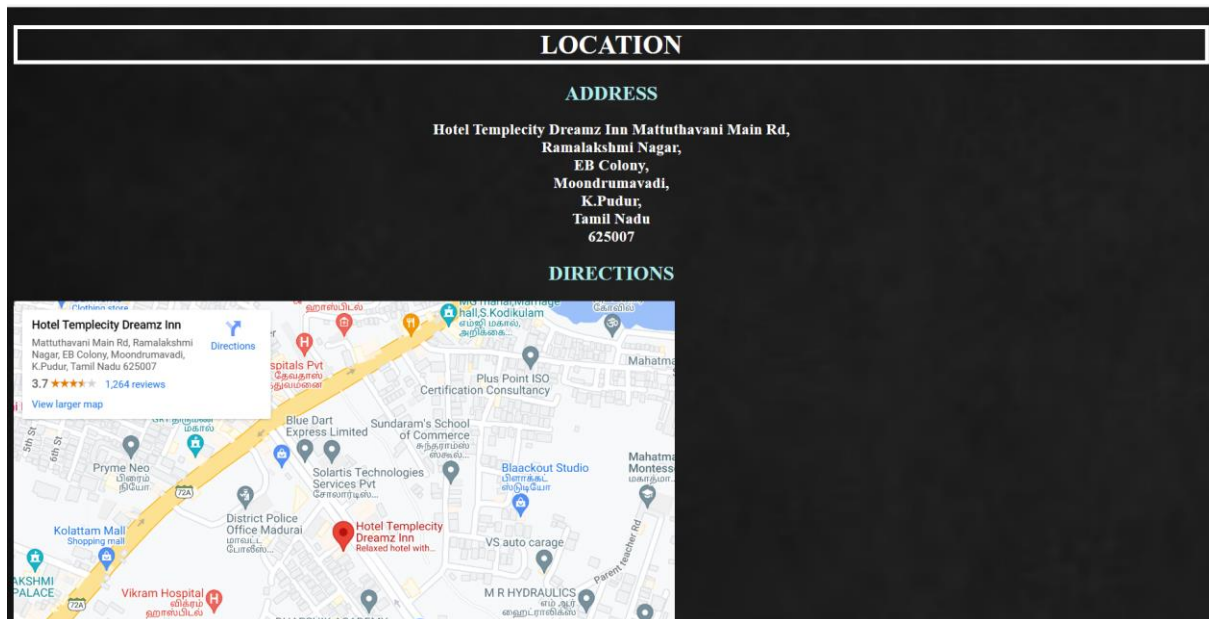
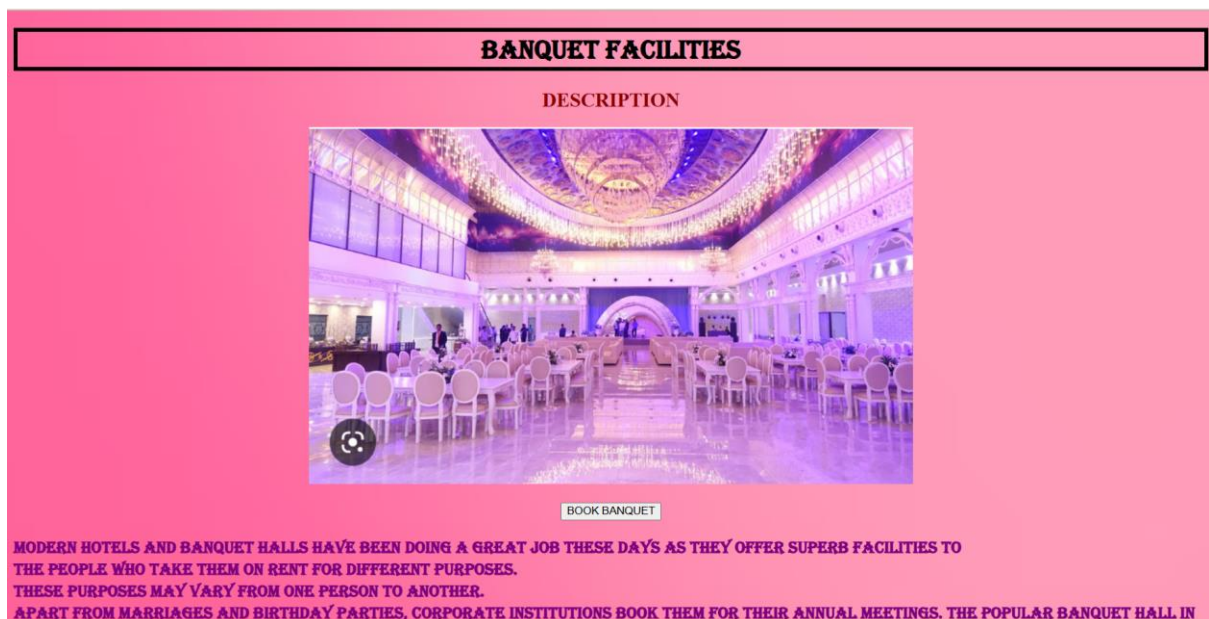


Figure 4.8-







## CUISINE SELECTION FORM

### FOOD MENU

Select the cuisine you would like to enjoy:

#### INDIAN



**Biryani**

**Description:** Biryani is a spiced mix of meat and rice, traditionally cooked over an open fire in a leather pot.

**Price:**\$9.99

Quantity:



**Chole Bhature**

**Description:**Chole bhature (Hindi: चोले भटूरे) is a food dish popular in the Northern areas of the Indian subcontinent.

**Price:**\$11.99

Quantity:

#### CHINESE



**Dumplings**

**Description:**Dumplings are delicate, bite-sized treats of different fillings wrapped in a thin layer of dough.

**Price:**\$8.99

Quantity:



**Chow Mein**

**Description:**A thick stew of shredded meat, mushrooms, and vegetables served with fried noodles.

**Price:**\$10.99

Quantity:

#### FRENCH



**Coq au Vin**

**Description:**A coq au vin is a classic French stew in which chicken is braised slowly in red wine, high supreme rich sauce filled with tender meat, crisp bits of bacon, mushrooms and burnished pearl onions.

**Price:**\$12.99

Quantity:



**Steak Frites**

**Description:**A simple dish of beef steak alongside strips of deep-fried potato. Its origins trace back to France and Belgium, it is a mainstay in the cuisine of both countries.

**Price:**\$14.99

Quantity:

#### ITALIAN



**Pizza Margherita**

**Description:**Pizza Margherita is a typical Neapolitan pizza, made with San Marzano tomatoes, mozzarella cheese, fresh basil, salt, and extra-virgin olive oil.

**Price:**\$10.99

Quantity:



**Lasagna**

**Description:**Lasagna is a type of pasta, possibly one of the oldest types, made of very wide, flat sheets.

**Price:**\$12.99


Quantity:

### DESSERT MENU

Select the cuisine you would like to prefer:

Select the cuisine you would like to prefer:

INDIAN



Kulfi

Description:Kulfi is a frozen dairy dessert originating in the Delhi under the Mughal Empire during the Mughal era in the 16th century.

Price:\$3.02

Quantity:



Rasmalai

Description:Rasmalai is a popular Bengali sweet delicacy made with Indian cottage cheese or chenna (paneer) discs.

Price:\$5.43

Quantity:

CHINESE



Rice cake (Nian Gao)

Description:A rice cake may be any kind of food item made from rice that has been shaped, condensed, or otherwise combined into a single object.

Price:\$4.06

Quantity:



Egg tarts

Description:The egg is a kind of custard tart found in Chinese cuisine derived from the English custard tart and Portuguese pastel de nata.

Price:\$6.99

Quantity:

FRENCH



Chocolate mousse

Description:Chocolate Mousse,a sweet & savory dish made as a smooth, light massa which the main ingredient is whipped with cream and egg white.

Price:\$7.09

Quantity:




Croissants

Description:A croissant is a buttery, flaky, viennoiserie pastry inspired by the shape of the Austrian kipferl but using the French yeast-leavened laminated dough.

Price:\$7.99

Quantity:

ITALIAN



Cassata Siciliana

Description:Cassata or cassata siciliana is a traditional cake from Sicily, Italy. Cassata is typically composed of a round sponge cake moistened with fruit juices or liqueur and layered with ricotta cheese and candied fruit.

Price:\$8.23

Quantity:



Ricotta Cheesecake

Description:This easy, Italian-style ricotta cheesecake is lighter than traditional cheesecakes and tastes absolutely incredible.This cheesecake recipe uses ricotta cheese,which creates a lighter texture and also lends a slightly different flavor.

Price:\$8.99

Quantity:

Submit

localhost:8080 says

Enjoy the Dishes and Desserts!

OK

Figure 4.10-



### HOTEL FACILITIES SELECTION FORM

SELECT THE FACILITIES YOU WOULD LIKE TO USE:

☒ Swimming pool



☒ Gym



☒ Spa



☒ Roof Top Restaurant





## **CHAPTER 4**

### **CONCLUSION AND FUTURE SCOPE**

In conclusion, a hotel management system (HMS) is a comprehensive software solution that streamlines the management of hotel operations, from reservations and check-ins to housekeeping, billing, and reporting. An HMS offers numerous benefits, including increased operational efficiency, improved guest experience, enhanced revenue management, better inventory management, and more data-driven decision making. By automating many of the routine tasks involved in managing a hotel, an HMS helps hotel staff focus on delivering exceptional service to guests and growing the business. Therefore, investing in a hotel management system can help hotels stay competitive and adapt to the changing market conditions, ultimately leading to increased profitability and success.

This is used to design an efficient automatic authorized vehicle identification system by using the vehicle number plate in order to reduce crime rate. This system uses image processing techniques for recognition of the vehicle from the database stored in the computer. The system works satisfactorily for wide variation of conditions and different types of number plates. The system is implemented and executed in OCR and performance is tested on genuine images.

#### **FUTURE SCOPE:**

The future scope of hotel management systems is promising and offers many opportunities for innovation and growth. Some potential areas of development and improvement in the future include:

- **Artificial Intelligence and Machine Learning:** As AI and machine learning technologies continue to advance, there is a lot of potential for their use in hotel management systems. For example, AI could be used to personalize guest experiences by recommending activities, amenities, and services based on guest preferences and behaviors.
- **Internet of Things (IoT):** IoT technology can be integrated with an HMS to create smart rooms that can adjust temperature, lighting, and other environmental factors automatically based on guest preferences.
- **Mobile and Cloud-based Solutions:** Mobile and cloud-based solutions offer flexibility and accessibility, enabling hotel staff to manage operations from anywhere and on any device. This can improve efficiency and enhance the guest experience.

## **ANNEXURE**

### **REFERENCES**

#### **Websites:**

- <https://www.w3schools.com/PHP>
- <https://www.tutorialspoint.com/php>
- <https://www.codecademy.com/learn/php>

