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CAP283 – FUNDAMENTALS OF WEB PROGRAMMING

CA - 4

(HOTEL MANAGEMENT SYSTEM)

Submitted by

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Acknowledgment

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INTRODUCTION TO THE PROJECT

This hotel management website enables the user and the employees of the hotel to be efficient while managing their routine. Our website gives a massive range of choice to the users, and they can select their rooms based on their needs. It allows users to book their rooms online from the comfort of their homes, our website also introduces daily offers to customers which they can avail and get their luxury experience at a surprising low amount.

Hotel websites are a key means of communication between hotels and potential guests. They provide a way for hotels to showcase their properties, amenities, and services to potential guests. They also allow hotels to communicate their brand and values to potential guests. A well-designed hotel website can help reach our hotel a wider audience →→→, improve customer service, increase bookings, and enhance brand awareness. Our hotel website will help improve customer service by providing guests with a way to learn about our property and make reservations 24/7.

Managing a hotel using well-developed software minimizes the liabilities of mismanagement and productivity loopholes. The incorporation of Hotel Management Software in the management of various business processes means that your hotel chain is competitive, innovative, well-managed, and up to date with the latest management and business trends.

Scope of the Project

This hotel management website enables the customers to have a unique experience in interacting with us, allows users to book their rooms conveniently.

Our hotel website can handle multiple users at same time without any response delay, gives smooth experience to customers during rush hours or festivals.

This hotel management website needs an internet connection and user information, and preferences are stored in our database. It allows a paperless transaction leading to an environmental ecosystem.

Everyone who has a business needs a website, same for a hotel chain. In this project I have designed a website for a hotel chain. In this website I have created several web pages (Home page, Login page, booking page, Contact Us, Customer support page, Terms and conditions page and Sign-Up page). I have used HTML and CSS for this project till now and it is working efficiently. This document is a reference for developing the first version of the system for the development team.

Modules/ Functionalities of the Project

The process model we have used here is iterative model. The iterative model is a particular implementation of a software development life cycle (SDLC) that focuses on an initial, simplified implementation, which then progressively gains more complexity and a broader feature set until the final system is complete. When discussing the iterative method, the concept of incremental development will also often be used liberally and interchangeably, which describes the incremental alterations made during the design and implementation of each new iteration. Unlike the more traditional waterfall model, which focuses on a stringent step-by-step process of development stages, the iterative model is best thought of as a cyclical process. The requirements of our project can be accomplished through an iterative model.

Roles of individuals in the Project

As the sole team member working on this project, you will be responsible for all aspects of its development, including:

- User authentication and authorization.
- Creating a responsive and intuitive user interface.
- Implementing password reset functionality.
- Ensuring data security and consistency in databases.

Structure of the Front End (User Interfaces)

HOMEPAGE-

- We have used HTML and CSS to design this page.
- On this page users get the option to either register or sign in.
- The home page contains a form which we implemented using form in html to book their rooms.
- The home page also has intuitive banners and images inserted to make our website look livelier and more interactive to the users.
- Users also get the option to see which offers are currently going on so that they can book their rooms at a very low price.
- We inserted images, videos, and banners with the help of image and video tag in html.
- We implemented a footer to insert our social media handles.

LOGIN PAGE-

- We implemented our login page using form tag in html to collect user data in the form of id and password.
- Users also have several options to login, for example with google Facebook etc.

SIGN UP PAGE-

- We have given the choice to users to sign up via google or email.
- Implemented this page using simple html format.

ROOMS PAGE-

- Here the users can see the available rooms with their prices.

- We have inserted the images using image tag and used button tag to create a button with price written over it.
- Inserted links to the button which directs the user to checkout page.

ABOUT US PAGE-

- About us page describes our vision and goals as a team.
- We have also displayed the contact numbers of important people, from hotel manager to room service as well, which may be used by user during any emergency.
- We have inserted basic emergency numbers that all citizens must know, from the police station to the fire department.

CONTACT US PAGE-

- In the contact us page, we have given the user comfort to contact us in any means they want, from mails to phone numbers.
- We have also created a form to let users drop a message for us which we can use as feedback to improve.

CHECKOUT PAGE-

- Check out page collects the user data in a form before redirecting it to the payment page.

PAYMENT PAGE –

- After the checkout page user is directed to the payment page.
- Users can pay in any mode they want starting from debit cards to UPI on their preferences.
- We also have an option of paying later after the user has checked in.

Code snippets

Home:-

```


Home.html X # Home.css Privacy.html # Privacy.css loginpage.html # Login.css joinus.html # Joinus.css Room.html # Room.css
Home.html > body
1 <!DOCTYPE html>
2 <head>
3   <title>Hotel Booking</title>
4 </head>
5 <link rel="stylesheet" href="Home.css">
6
7 <body>
8
9   <header>
10     <div class="logo">
11       
12     </div>
13     <div class="hotel-name">
14       <h1>HOTEL EMBLEM</h1></div>
15     <div>
16       <h3 class="inr" style="font-size: 1.5em;">INR</h3></div>
17     <div></div>
18     <div><a href="/Signup.html"><button class="book-btn1">Register</button></a>
19     <a href="/loginpage.html"><button class="book-btn1">Login</button></a></div>
20
21   </header>
22   <nav class="nav">
23     <ul>
24       <li><a href="/Hotel.html" class="active">Home</a></li>
25       <li><a href="/Room.html">Rooms</a></li>
26       <li><a href="/Aboutus.html">About</a></li>
27       <li><a href="/customer support.html">Contact</a></li>
28     </ul>
29   </nav>
30
31 </style>
32 <body>
33
34   <section class="Banner">
35     <div>
36       
37     </div>
38   </section>
39
40   <section class="booking">

```


```

# Home.css > #rooms
1
2 body {
3   font-family: Arial, sans-serif;
4   margin: 0;
5   padding: 0;
6   background-color: #f5f5f5;
7 }
8
9 header {
10   background-color: #1b1366;
11   color: rgb(255,215,150);
12   text-align: center;
13   padding: 20px;
14   display: flex;
15   height: 100px;
16   align-content: baseline;
17   /* justify-content: space-between; */
18   gap: 2em;
19 }
20
21 nav {
22   background-color: #f820e2;
23   /* color: #f68e06; */
24   /* text-align: center; */
25   padding: 15px;
26 }
27
28 nav ul {
29   color: #f68e06;
30   list-style: none;
31 }
32
33 nav ul li {
34   display: inline;
35   margin: 0 10px;
36 }
37
38 nav ul li a {
39   text-decoration: none;
40 }
41
42 .nav li a:hover, .nav li a.active {
43   text-decoration: none;


```





HOTEL EMBLEM

INR 
[Register](#) [Login](#)


[Home](#) [Rooms](#) [About](#) [Contact](#)



Comfort. Luxury. Affordable





Tel : +91 8271324141
Email : rajankr1206@gmail.com




Book a Room


Check-In Date

mm/dd/yyyy 

Check-Out Date

mm/dd/yyyy 

Select the room

Select type of room 

Number of Guests

Number of Room

[Book Now](#)





OUR PRODUCT

Domestic Hotel
Restaurant
Gym

COMPANY

[Home](#)
[About us](#)
[Term & Conditions](#)
[User Agreement](#)
[Customer Support](#)

JOIN US






CITY

New
Delhi
Kolkata
Mumbai
Patna
Jalandhar



Rooms:-

```

Room.html > body > header > div > img
1  <!DOCTYPE html>
2  <head>
3      <title>Hotel Booking</title>
4      <link rel="stylesheet" href="Room.css">
5  </head>
6  <style>
7
8  </style>
9  <body>
10
11      <header>
12          <div class="logo">
13              
14          </div>
15          <div class="hotel-name">
16              <h1>HOTEL EMBLEM</h1></div>
17          <div>
18              <h3 class="inr" style="font-size: 1.5em;">INR</h3></div>
19              <div></div>
20          <div><button class="">Register</button>
21              <button class="">Login</button></div>
22          </div>
23
24      </header>
25      <nav>
26          <ul>
27              <li><a href="/Home.html">Home</a></li>
28              <li><a href="/Room.html" class="active">Rooms</a></li>
29              <li><a href="/Aboutus.html">About</a></li>
30              <li><a href="/customer support.html">Contact</a></li>
31          </ul>
32      </nav>
33      <section id="rooms">
34          <div class="text">
35              <h2>Available Rooms</h2></div>
36          <div class="room">
37              <a href="/Singleroom.html"></a>
38              <h3>SINGLE AC ROOM</h3>
39              <p>₹ 4,080 + 489.6 tax per night</p>
40              <CENTER><a href="Checkout.html"><button class="book-btn">Reserve Now</button></a></CENTER>
41

```

```

# Room.css > ...
1  body {
2      font-family: Arial, sans-serif;
3      margin: 0;
4      padding: 0;
5      background-color: #f5f5f5;
6  }
7
8  header {
9      background-color: #1b1366;
10     color: rgb(255,215,150);
11     text-align: center;
12     padding: 20px;
13     display: flex;
14     height: 100px;
15     align-content: baseline;
16     /* justify-content: space-between; */
17     gap: 2em;
18 }
19
20 nav {
21     background-color: #f820e2;
22     /* color: #f68e06; */
23     /* text-align: center; */
24     padding: 15px;
25 }
26
27 nav ul {
28     color: #f68e06;
29     list-style: none;
30 }
31
32 nav ul li {
33     display: inline;
34     margin: 0 10px;
35 }
36 nav ul li a {
37     text-decoration: none;
38 }
39
40 nav li a:hover, nav li a.active {
41     text-decoration: none;

```

Available Rooms



SINGLE AC ROOM

₹ 4,080 + 489.6 tax per night

[Reserve Now](#)



DOUBLE AC ROOM

₹ 7,495 + 899.4 tax per night

[Reserve Now](#)



DILUXE AC ROOM

₹ 9,173 + 1,651.14 tax per night

[Reserve Now](#)



CONNECTING ROOM

₹ 38,531 + 6,935.58 tax per night

[Reserve Now](#)**CABANA**

₹ 63,795 + 11,513.1 tax per night

[Reserve Now](#)**ADJOINING ROOM**

₹ 68,423 + 12,316.14 tax per night

[Reserve Now](#)**SMOKING ROOM**

₹ 70,872 + 10,756.96 tax per night

[Reserve Now](#)**EXECUTIVE FLOORED ROOM**

₹ 75,837 + 13,650.66 tax per night

[Reserve Now](#)**PRESIDENT SUITE ROOM**

₹ 1,57,574 + 28,363.32 tax per night

[Reserve Now](#)

7.0.0.1:5501/Executive.html

About:-

```

<!-- Aboutus.html -->
<!-- body -->
<!-- header -->
<!-- div -->
<!-- img -->
1 <!DOCTYPE html>
2 <head>
3   <title>Hotel Booking</title>
4 </head>
5 <link rel="stylesheet" href="About.css">
6 <style>
7
8 </style>
9 <body>
10
11   <header>
12     <div class="logo">
13       
14     </div>
15     <div class="hotel-name">
16       <h1>HOTEL EMBLEM</h1></div>
17     <div>
18       <h3 class="innr" style="font-size: 1.5em;">INNER</h3></div>
19       <div></div>
20       <div> <button class="book-btn1">Register</button>
21       <button class="book-btn1">Login</button></div>
22     </div>
23   </header>
24   <nav class="nav">
25     <ul>
26       <li><a href="Home.html">Home</a></li>
27       <li><a href="Room.html">Rooms</a></li>
28       <li><a href="Aboutus.html" class="active">About</a></li>
29       <li><a href="/customer support.html">Contact</a></li>
30     </ul>
31   </nav>
32   <section id="booking">
33     <center><h1>ABOUT US</h1></center>
34     <a>Hotel Emblem is India's leading online Hotel booking brand providing range of choice for hotels. Our core value
35     differentiator is the most trusted user experience, be it in terms
36     of quickest search and booking, fastest payments, settlement or refund processes. Through GoStays,
37     our customers enjoy standardised stay experience at certified hotel properties. </a><br><br>
38     <h2>Our Hotel</h2>
39
40   <p>
41     Welcome to Hotel Emblem, where we offer an exceptional stay for both leisure and business travelers

```

```

About Us.html > body > section.body1 > div > div.div2
1  <!DOCTYPE html>
2  <head>
3
4  <meta name="viewport" content="THE MODERN RESTAURANT">
5  <title>My Restaurant</title>
6  <style>
7
8      * {
9          font-family: 'Baloo Bhai 2', cursive;
10         margin: 0;
11         padding: 0;
12         box-sizing: border-box;
13     }
14     body {
15         font-family: 'Baloo Bhai 2', cursive;
16         background-color: #90c5e3;
17         flex-direction: column;
18     }
19     header {
20         background-image: url('restaurant-image.jpg');
21         background-size: cover;
22         color: rgb(106,27,63);
23         text-align: center;
24         padding: 20px 0;
25     }
26     header h1 {
27         font-size: 3rem;
28         margin-bottom: 20px;
29     }
30     header p {
31         font-size: 1.5rem;
32     }
33     nav {
34         background-color: #d60a0a;
35         color: white;
36         text-align: center;
37         padding: 10px 0;
38         height: 60px;
39     }
40     nav ul {
41         list-style-type: none;

```

Our Mission

At Hotel Emblem, our mission is simple: to provide an exceptional experience for our guests. We are dedicated to offering personalized, world-class service, ensuring your comfort, and making your stay as enjoyable as possible. Our commitment to excellence extends to every guest who walks through our doors.

Meet the Team

Our dedicated team of professionals is the heart and soul of Hotel Emblem. From our skilled chefs who craft exquisite cuisine to our friendly front desk staff who are always ready to assist you, every member of our team is committed to ensuring your visit is nothing short of perfect. We take pride in our staff's unwavering dedication to making your stay exceptional.

Staff Contacts

Hotel Manager :- Ravi Kumar (+91 6743264791) [Call Now](#)

Kitchen Manager :- Ankit Raj (+91 6743264792) [Call Now](#)

Head Chef :- Sumit Khurana(+91 6743264793) [Call Now](#)

Room Service :- Amit Kumar (+91 6743264794) [Call Now](#)

EMERGENCY NUMBER

NATIONAL EMERGENCY NUMBER-112 [Call Now](#)

AMBULANCE-102 [Call Now](#)

POLICE-100 [Call Now](#)

FIRE-101 [Call Now](#)

Our Commitment

We are committed to environmental sustainability and ethical business practices. Hotel Emblem strives to reduce its ecological footprint through various initiatives. We aim to provide our guests with a responsible and sustainable choice for their accommodation needs.

Contact:-

```

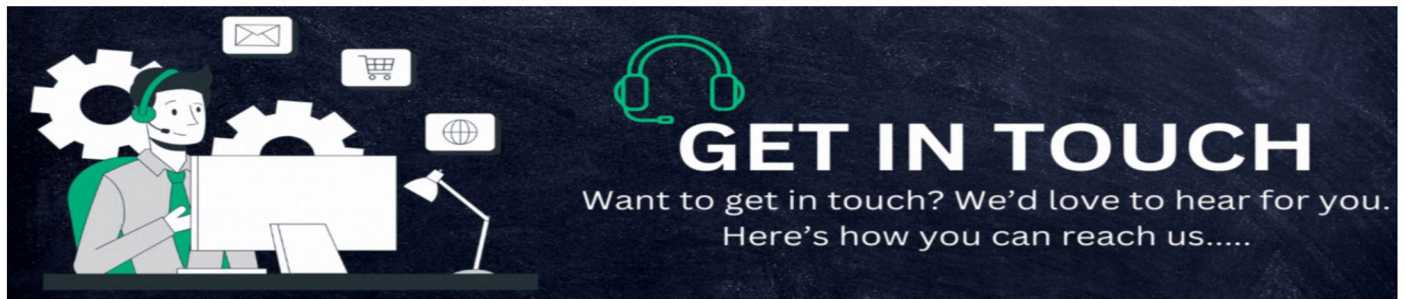
customer support.html > head > link
31 </nav>
32 <section id="Customer">
33 <center><h1>CUSTOMERS SUPPORT</h1></center>
34 <div class="call">
35 
36 </div>
37 <div class="container">
38 <center><br></center><br>
39 <a>Just pickup the phone to Call with member of Our </a><br><center><a >customer support team<a>
40 <center><br><br><a class="button" href="tel:+91 8271324141">Call Now</a></center></div>
41 <div class="container">
42 <center><br>
43 <a>Sometimes you need a little help from your friends.</a><br>
44 <a>Or a Support rep. Don't worry... we're here for you</a><br><br>
45 <center><br><br><a class="button" href="https://mail.google.com/">Mail Us</a></center>
46 </div>
47 </section>
48 <section>
49 <h1>Leave a message</h1>
50 <section>
51 <div class="form12"><form action="" class="form1">
52 <div class="form-data"><label for="">Name :</label>
53 <input type="text" name="Name" placeholder="Enter Name" required></div>
54 <div class="form-data"><label for="">Email :</label>
55 <input type="email" name="Email" placeholder="Enter Valid Email " required></div>
56 <div class="form-data"><label for="">Phone :</label>
57 <input type="number" name="Phone Number" placeholder="Contact Number" required></div>
58 <label for="Message">Message : </label>
59 <textarea id="Message" name="Message" placeholder="Write something.." maxlength="250word" style="height: 83px; width: 90%;"></textare
60 <button class="btn">Submit</button>
61 </form></div>
62 </section>
63
64 <section class="footer1">
65 <div class="div2"> <h1>OUR PRODUCT</h1>
66 <a style="text-decoration: none;" href="Room.html">Domestic Hotel</a><br>
67 <a style="text-decoration: none;" href="Room.html">Restaurant</a><br>
68 <a style="text-decoration: none;" href="Room.html">Gym</a>
69 </div>
70 <div class="div2"> <h1>COMPANY</h1>

```

```

# Contact.css > ...
32 nav ul li {
33 display: inline;
34 margin: 0 10px;
35 }
36
37 section {
38 margin: 20px;
39 padding: 20px;
40 background-color: #ffff;
41 box-shadow: 0 0 5px rgba(0, 0, 0, 0.2);
42 }
43
44
45 .div1{
46 display:inline-block;
47 width: 0%;
48 }
49
50 #customer{
51 background: scroll;
52 background-color: rgb(158, 234, 234);
53 /* font-size: 2em; */
54 /* padding: 100; */
55 text-align: justify;
56 text-align: left;
57 border-radius: 40px;
58 align-items: center;
59 justify-content: space-evenly;
60 }
61
62 .div2{
63 display:inline-block;
64 width: 30%;
65 text-align: justify;
66 /* text-decoration: none; */
67 text-decoration-line: none;
68 text-decoration:dashed;
69 }
70
71 .container {
72 text-align: center;
73 background-color: #c63d3d;
74 padding: 50px;
75 padding-left: 5%;

```

Just pickup the phone to Call with member of Our customer support team

Call Now



Sometimes you need a little help from your friends. Or a Support rep. Don't worry... we're here for you

Mail Us

Checkout:-

Checkout

First Name:

Last Name:

Email:

Mobile:

Number of Adults:

Number of Children:

Check-In Date:

mm/dd/yyyy



Check-Out Date:

mm/dd/yyyy



Payment Page:-

Payment Page

Debit Card

Credit Card

Pay Later

Wallet

Cash

UPI

QR Code

Wallet Options

- ☐ Paytm Wallet
- ☐ Phonepe Wallet
- ☐ Amazon Pay
- ☐ Airtel Wallet

Price
₹ 4,080

Tax+GST ₹ 489.6

PAY

Bibliography or References

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<https://www.udemy.com/topic/html/free/>

<https://www.mygreatlearning.com/html/free-courses>

<https://www.w3schools.com/>