

SYSTEM DESIGN

5.1 SYSTEM ARCHITECTURE DESIGN:

5.1.1 ER Diagram :

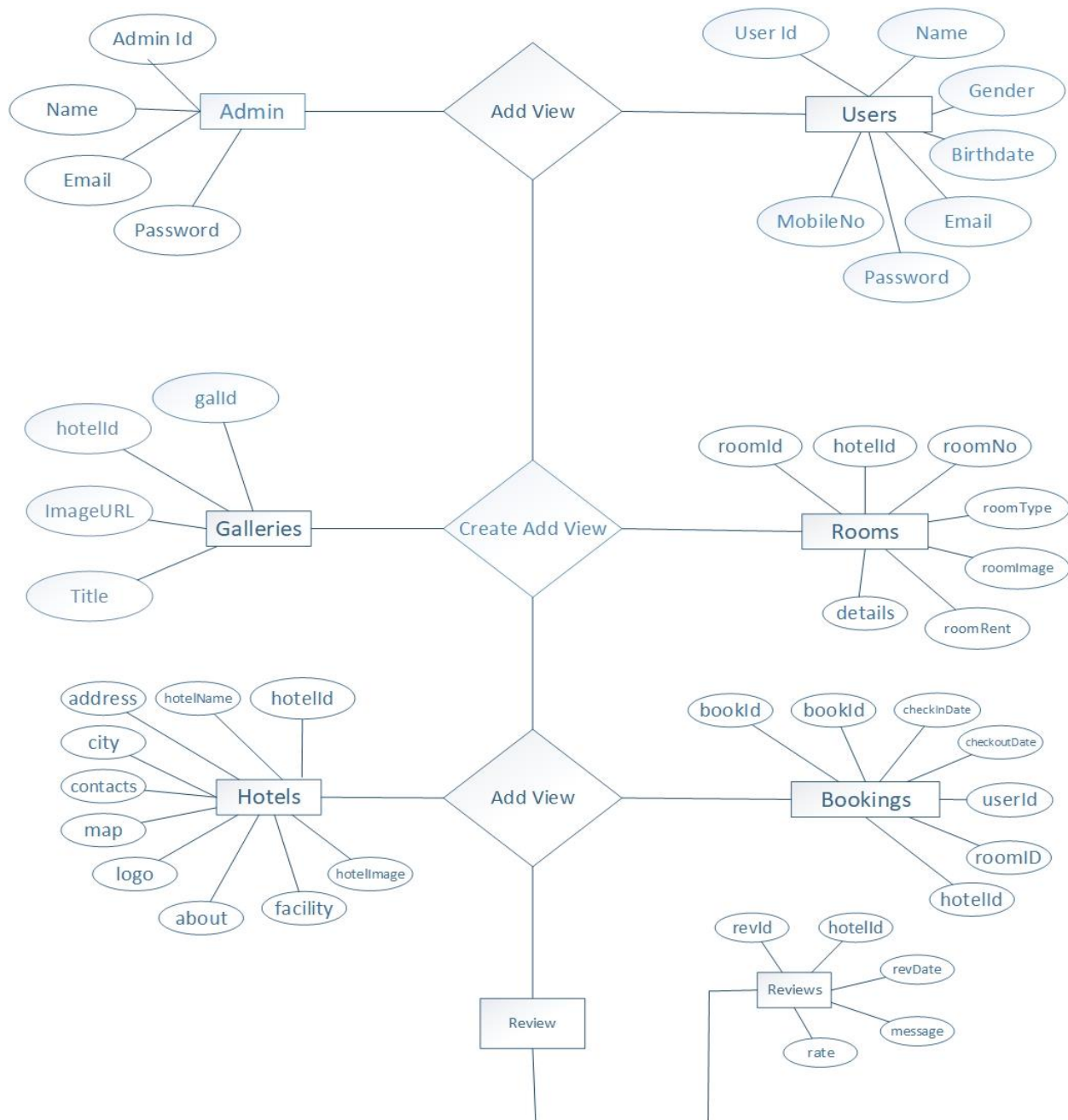


Figure 5.1: E – R Diagram

5.1.2 Use case Diagram:

a) Admin

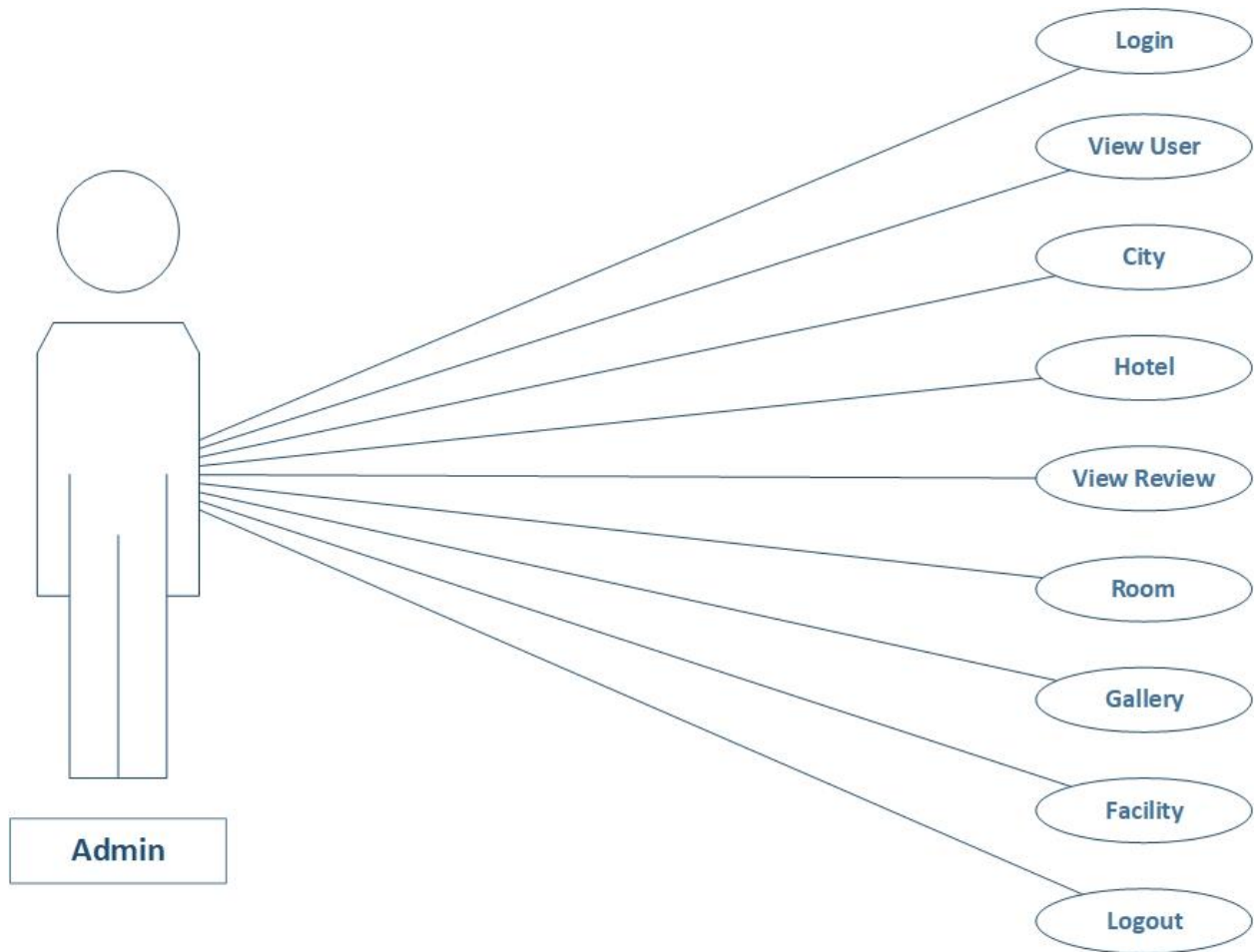


Figure 5.2: Use case Diagram for Admin

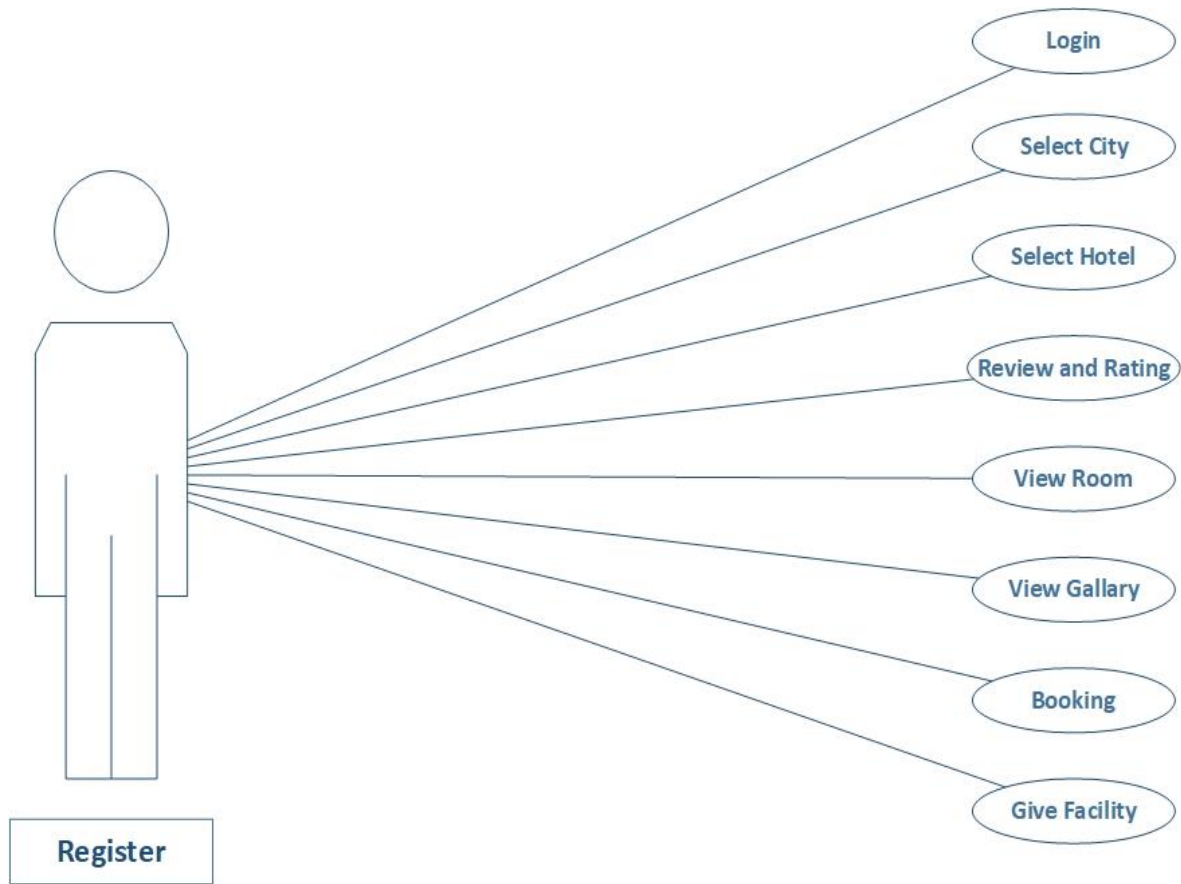
b) Register:

Figure 5.3: Use case Diagram for Register

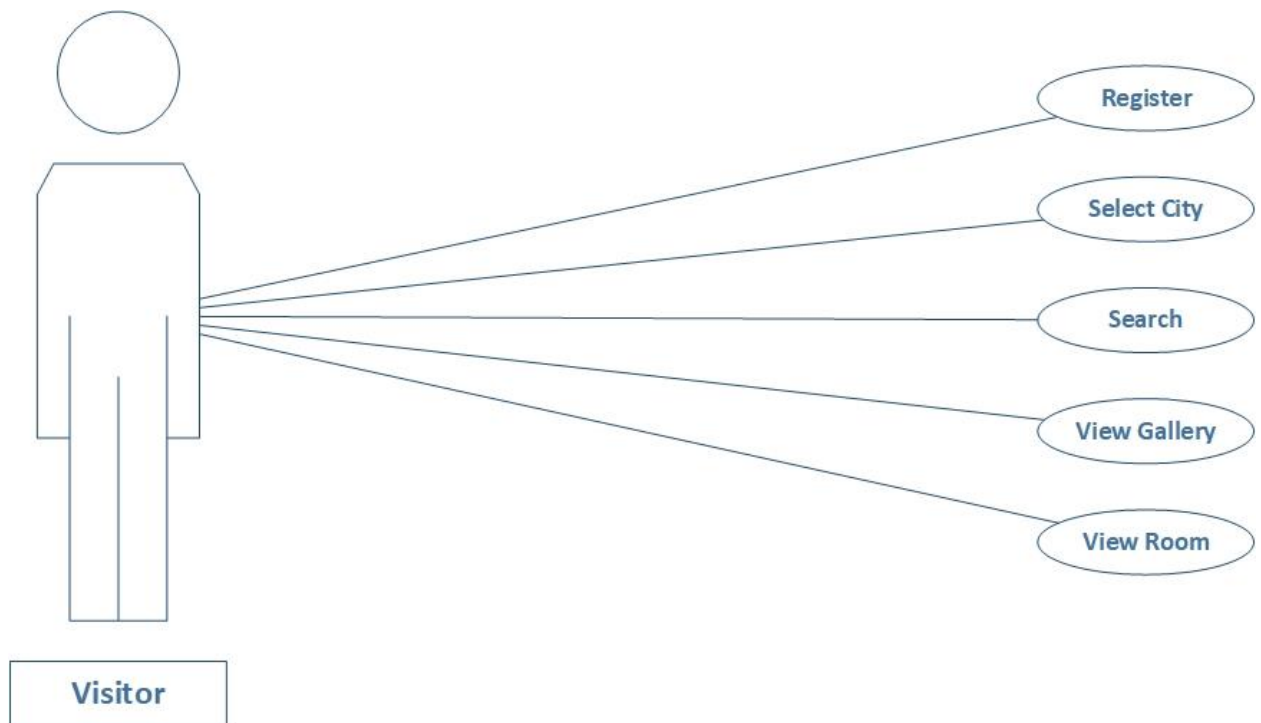
c) Visitor :

Figure 5.4: Use case Diagram for Visitor

5.1.3 Data Flow Diagram:

a) Context Diagram :

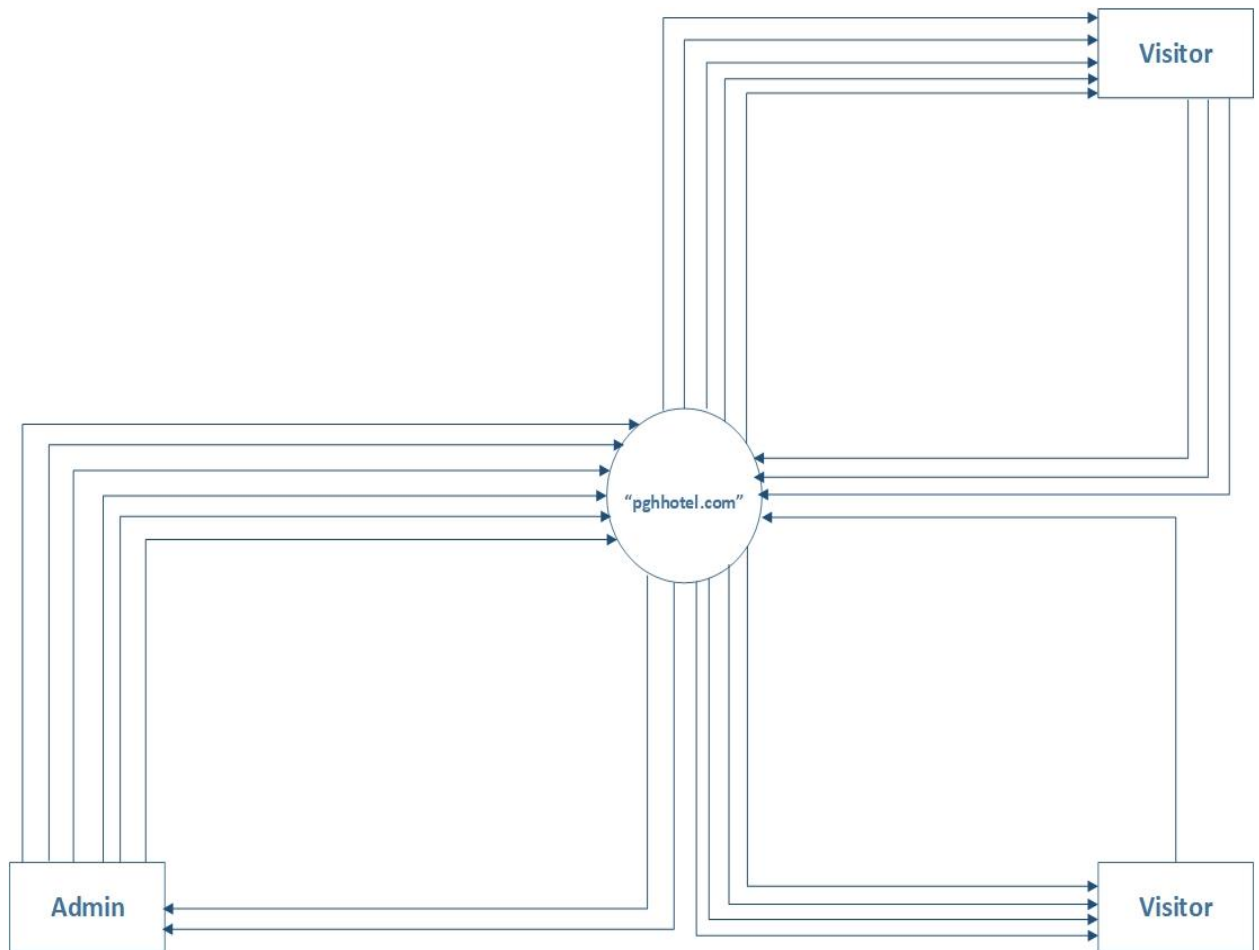


Figure 5.5: Context Diagram

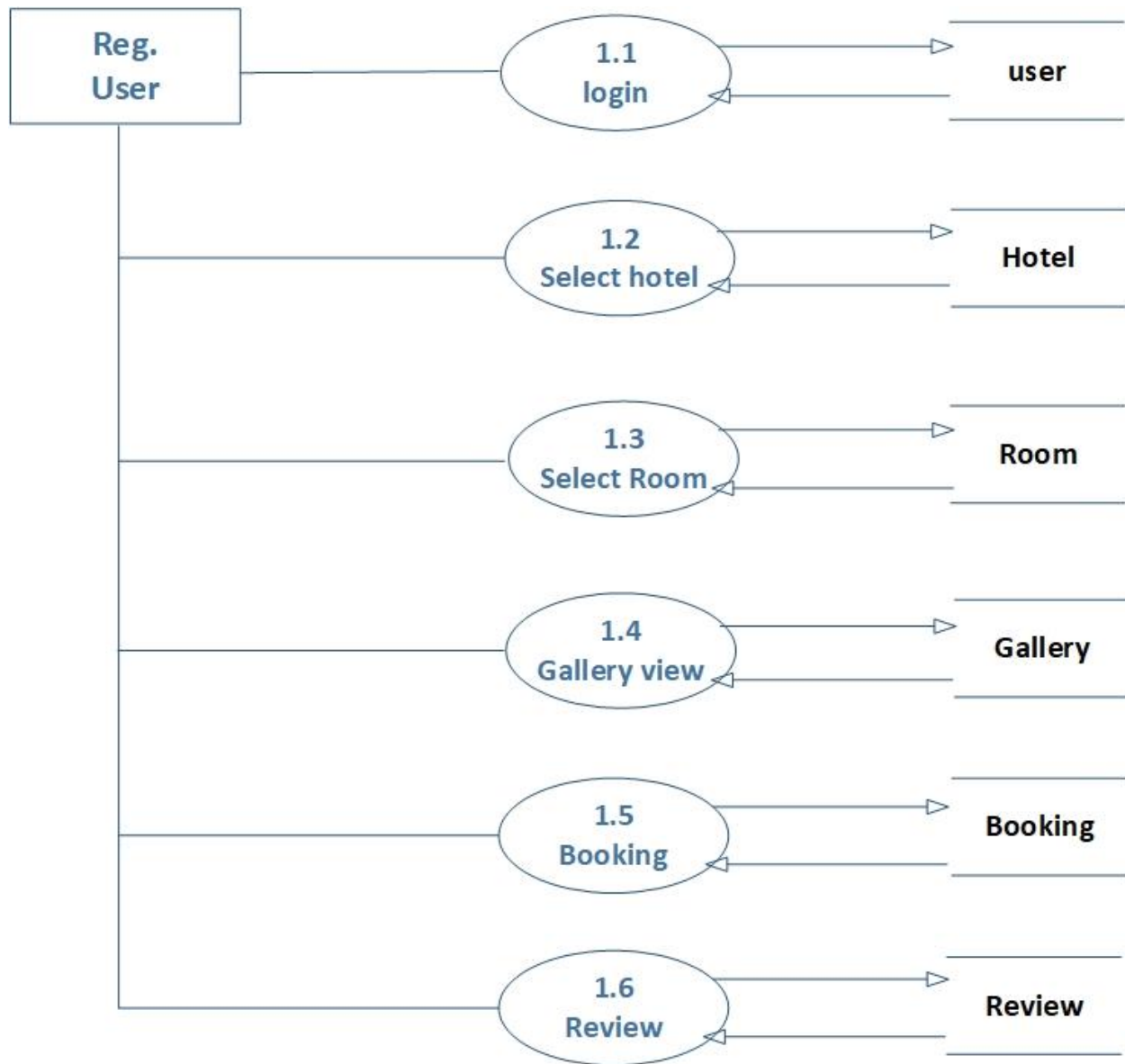
Level 1 Data Flow Diagram :

Figure 5.6: 1 - Level Data Flow Diagram

5.1.4 Activity Diagram :

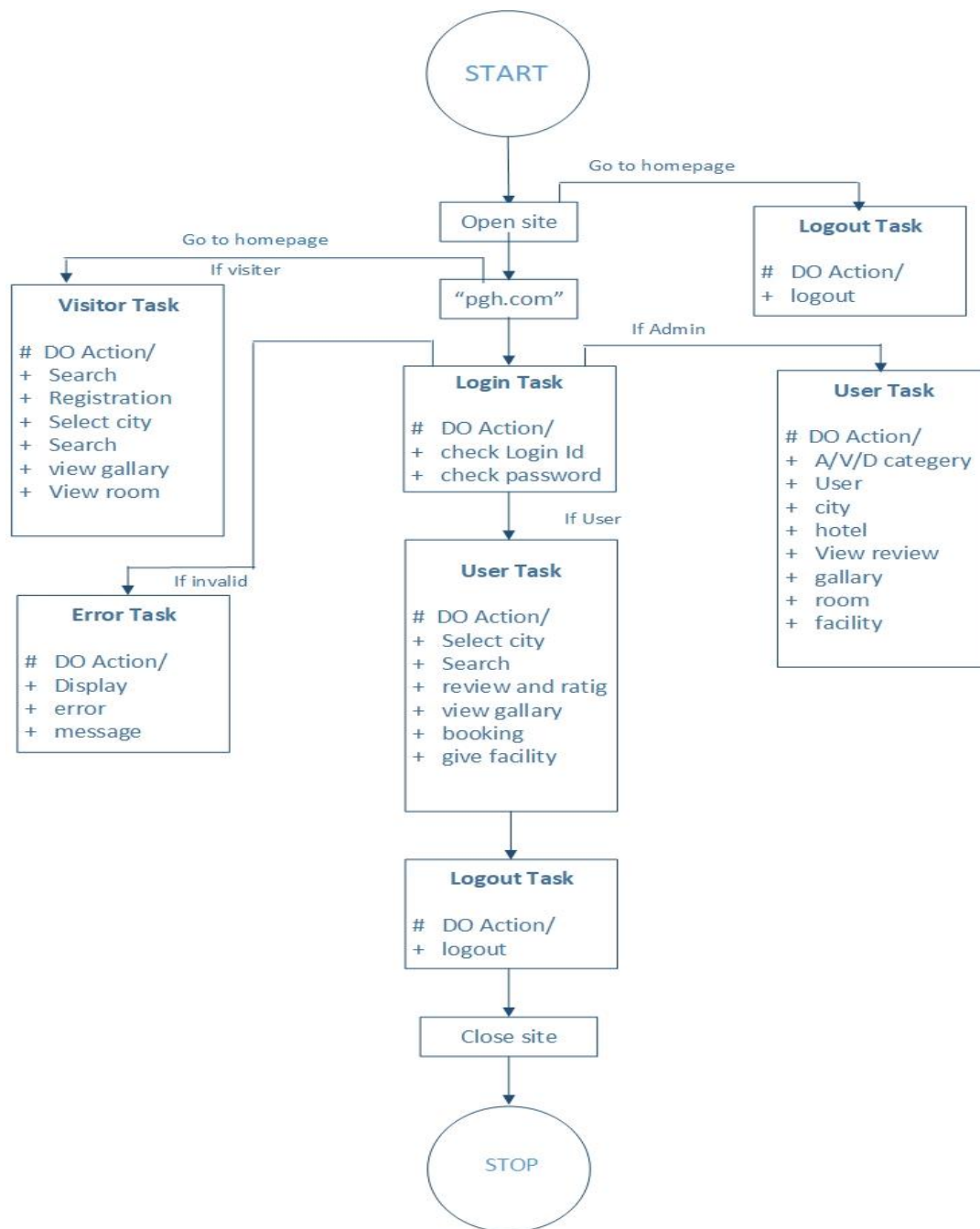


Figure 5.7: Activity Diagram

5.2 DATA DICTIONARY

Table Name: admins

Description: Store The admins Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	adminId	Int	5	Primary key	Id of admin
2	name	Text	50	Not null	Name of admin
3	emailId	Text	50	Unique key	Email of admin
4	password	Text	30	Not null	Password of admin

Table Name: galleries

Description: Store The galleries Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	gallId	Int	5	Primary key	Id of galleries
2	hotelId	Int	5	Reference key	Id of hotelId
3	imageURL	Text	50	Not null	image of galleries
4	title	Text	50	Not null	Title of galleries

Table Name: users

Description: Store The users Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	userId	Int	5	Primary key	Id of users
2	name	Text	50	Not null	Name of users
3	gender	Text	10	Not null	Gender of users
4	birthdate	Date	-	Not null	BirthDate of users
5	emailId	Text	50	Unique key	Email of users
6	password	Text	30	Not null	Password of users
7	mobileNo	Text	10	Unique key	MobileNo of users

Table Name: hotels

Description: Store The hotels Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	hotelId	Int	5	Primary key	Id of hotel
2	hotelName	Text	50	Not null	Name of hotel
3	Address	M. text	-	Not null	address of hotels
4	city	Text	50	Not null	City of hotels
5	contactNo	Text	10	Not null	Contact of hotel
6	map	Text	100	Not null	map of hotel
7	logo	Text	50	Not null	hotel's logo
8	about	M.text	-	Not null	About of hotel
9	facility	M.text	-	Not null	Facility of hotel
10	hotelImage	Text	100	Not null	Image of hotel

Table Name: rooms

Description: Store The rooms Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	roomId	Int	5	Primary key	Id of room
2	hotelId	Int	5	Reference key	Id of hotels
3	roomNo	Number	5	Not null	No of rooms
4	roomType	Text	50	Not null	Type of rooms
5	roomImage	Text	50	Not null	Image of rooms
6	roomRent	Int	5	Not null	Rent of rooms
7	details	M.Text	-	Not null	Details of rooms

Table Name: bookings

Description: Store The bookings Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	bookId	Int	5	Primary key	Id of booking
2	bookDate	Date	-	Not null	Date of bokings
3	checkinDate	Date	-	Not null	Date of checkin
4	checkoutDate	Date	-	Not null	Date of checkout
5	userId	Int	5	Reference key	Id of users
6	roomId	Int	5	Reference key	Id of rooms
7	hotelId	Int	5	Reference key	Id of hotels

Table Name: reviews

Description: Store The reviews Details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	revId	Int	5	Primary key	Id of reviews
2	hotelId	Int	5	Reference key	Id of hotels
3	revDate	Date	-	Not null	Date of reviews
4	message	M.Text	-	Not null	Message of reviews
5	Rate	Int	5	Not null	Rate of Hotel and Rooms
6	userId	Int	5	Reference key	Id of users

5.3 Sample code:

Login Design:

The screenshot displays a web application interface for a login page. At the top, there is a navigation bar with a logo 'pgh Hotels' on the left and a series of links: HOME, ABOUT, CONTACT, REGISTER, LOGIN, and a prominent orange 'Book Now' button. Below the navigation bar, the main content area features a large, light gray background. In the center of this area, the word 'LOGIN' is displayed in bold black text, with a breadcrumb trail 'Home / Login' underneath it. Further down, there is a section titled 'Login' in bold black text. This section contains two input fields: one for 'Email' and one for 'Password'. Below the 'Password' field, there is a link that says 'Click here for admin login'. To the right of these fields is an orange button labeled 'LOGIN'.

Login.php

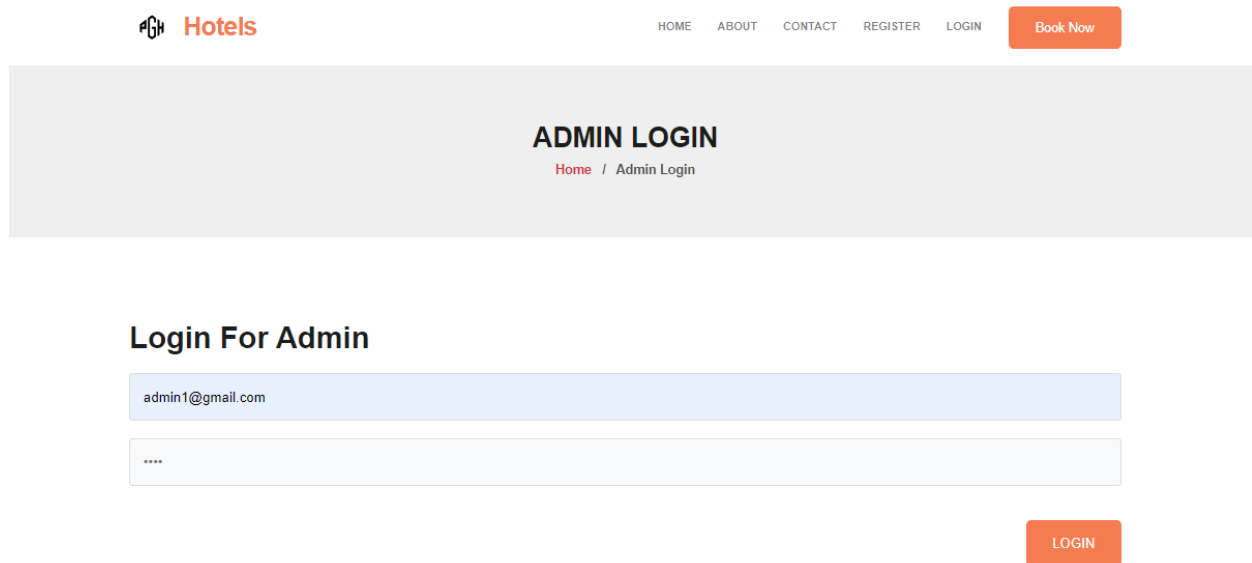
```
<?php  
  
$con = mysqli_connect("localhost","root","","pghdb");  
  
session_start();  
  
include("connection.php");  
  
$emailId = $_POST['emailId'];  
  
$password = $_POST['password'];  
  
$fetchsql="select * from users where emailId = '$emailId' and  
password='$password'";  
  
$result=mysqli_query($con,$fetchsql);  
  
if($row=mysqli_fetch_array($result))
```

```
{
    $_SESSION['user'] = $row;
    echo "<script> window.location.href='index.php' </script>";
    // header("location:index.php");
}
else{
    echo "<script> alert(' Invalid email Id or password') </script>";
    echo "<script> window.location.href='login.php' </script>";
}
?>
```

5.4 SCREENSHOT

1. ADMIN SIDE:

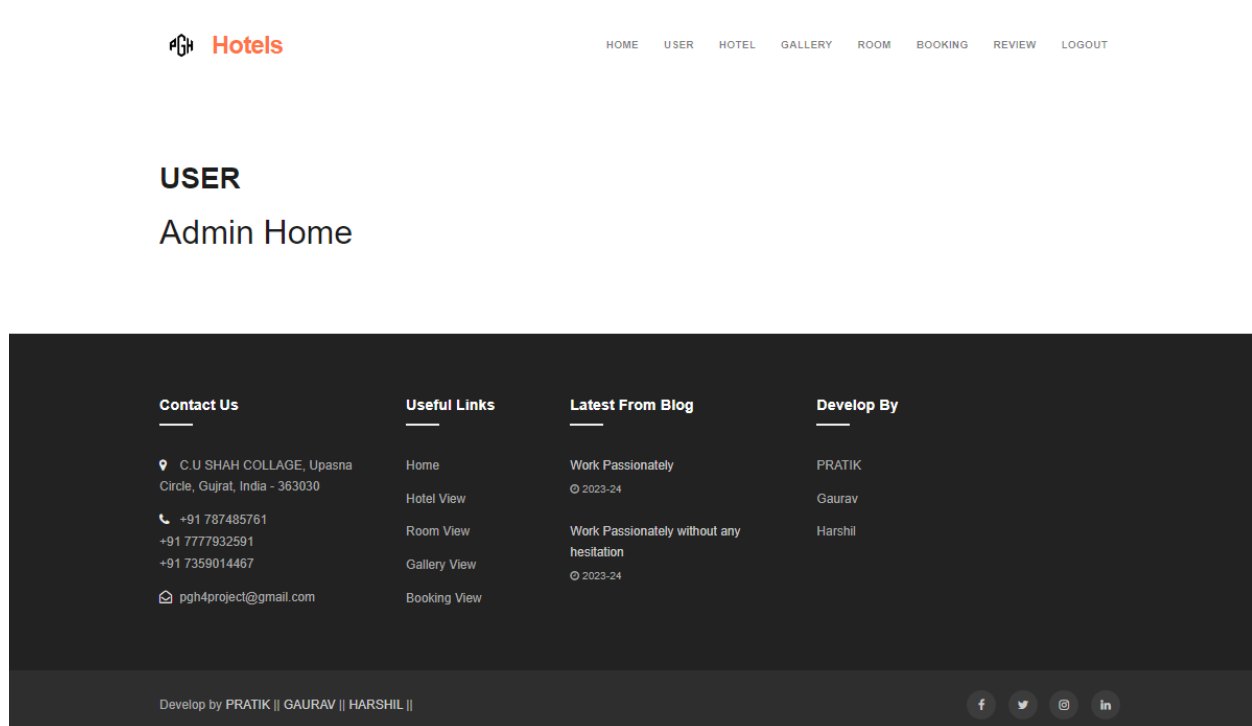
1.1 Admin Login Page



The screenshot displays the Admin Login page of a website. At the top, there is a navigation bar with the logo "Hotels" on the left and a list of links (HOME, ABOUT, CONTACT, REGISTER, LOGIN) on the right, followed by an orange "Book Now" button. Below the navigation bar, a light gray banner contains the text "ADMIN LOGIN" in bold, with a breadcrumb link "Home / Admin Login" underneath. The main content area features the heading "Login For Admin". Below this heading are two input fields: the first is a light blue field containing the email "admin1@gmail.com", and the second is a light gray field with masked characters "****". To the right of these fields is an orange "LOGIN" button.


This is the admin login page of our website.

1.2 Admin Home Page



This is the admin home page of our website.

1.3 Admin User View



HOME USER HOTEL GALLERY ROOM BOOKING REVIEW LOGOUT

USER


Home / User

USER

User Id	User Name	User Gender	User Email	User Mobile No.
1	PITHVA DHRUV ARVINDBHAI	MALE	user1@gmail.com	9427944647
2	VAGHELA PRIYANSHU JANAKBHAI	MALE	user2@gmail.com	8780765674
3	GHATALIYA DARSHAN DALAPATBHAI	MALE	user3@gmail.com	9626658564
4	hari	Male	user4@gmail.com	9858652536
5	Sunil Makwana	Male	user5@gmail.com	7898675434
6	PGH	Male	pgh4project@gmail.com	7777932591

This is the user view page of our website.

1.4 Admin Hotel View











HOME USER HOTEL GALLERY ROOM BOOKING REVIEW LOGOUT

HOTEL

[Home](#) / [Hotel](#)


HOTEL

[ADD NEW HOTEL DETALIS](#)

Hotel Id	Hotel Name	City	Contacts	Logo	Action
1	Taj Skyline Ahmedabad	Ahmedabad	079 4040 0000		Edit DELETE
3	The Ummed Ahmedabad Airport	Ahmedabad	92272 28959		Edit DELETE
2	Vivanta Ahmedabad SG Highway	Ahmedabad	079 3555 3555		Edit DELETE
4	Lemon Tree Premier, Dwarka	Dwarka	9898444444		Edit DELETE
5	VITS Devbhumi, Dwarka	Dwarka	75730 09851		Edit DELETE
6	The Fern Seaside Luxurious Tent Diu	Diu	6352351709		Edit DELETE
7	Praveg Beach Hotel Diu, Chakratirth Beach	Diu	9090690902		Edit DELETE
8	Hotel Apaar	Diu	7041481111		Edit DELETE
9	Bellevue Sarovar Portico Junagadh	Junagadh	1800 11 1222		Edit DELETE

This is the hotel view page of our website.

1.5 Admin Hotel Add

 [HOME](#) [USER](#) [HOTEL](#) [GALLERY](#) [ROOM](#) [BOOKING](#) [REVIEW](#) [LOGOUT](#)

HOTEL

[Home](#) / [Hotel](#)

ADD HOTEL

[HOTEL DETAILS VIEW](#)

Logo Add

10.png

Hotel Image Add


10.jpg

Located in Somnath, 2 km from Somnath Beach, HOTEL OM provides accommodation with a shared lounge, free private parking and

Free WiFi Free parking Family rooms 2 restaurants Room service Airport shuttle Spa and wellness centre Tea/coffee maker in all room

This is the add hotel page of our website.

1.6 Admin Hotel Edit

 [HOME](#) [USER](#) [HOTEL](#) [GALLERY](#) [ROOM](#) [BOOKING](#) [REVIEW](#) [LOGOUT](#)

HOTEL

[Home](#) / [Edit Hotel](#)

EDIT HOTEL

[HOTEL DETALIS VIEW](#)

Logo Edit

10.png

Hotel Image Edit


10.jpg

Located in Somnath, 2 km from Somnath Beach, HOTEL OM provides accommodation with a shared lounge, free private parking and

Free WiFi Free parking Family rooms 2 restaurants Room service Airport shuttle Spa and wellness centre Tea/coffee maker in all room

This is the edit hotel page of our website.

1.7 Admin Room View








HOME USER HOTEL GALLERY ROOM BOOKING REVIEW LOGOUT

ROOM

[Home](#) / [Room](#)


ROOM

ADD NEW ROOM DETAILS

Hotel	Room Id	Room No	Room Type	Room Img	Room Rent	Detail	Action
1	1	101	Deluxe Room Twin Bed		8960	With AC Ironing facilities Tea/Coffee maker Wireless Internet Free Lunch Or Dinner Free Breakfast Comfy beds	Edit DELETE
2	4	101	Superior Room king bed		6480	With AC Free Wi-Fi Indoor Games Smoke alarms 24-hour Room Service Smoke Detector Safety & Hygiene Dispensors for PPE (Personal Protective Equipment) kits	Edit DELETE
1	2	102	Luxury Room King Bed		10150	With AC Ironing facilities Tea/Coffee maker Wireless Internet Free Lunch Or Dinner Free Breakfast Comfy beds	Edit DELETE
1	3	103	Luxury Grande King Bed		16000	With AC Ironing facilities Tea/Coffee maker Wireless Internet Free Lunch Or Dinner Free Breakfast Comfy beds	Edit DELETE
2	5	102	Deluxe Room King Bed		7840	With AC Free Wi-Fi Indoor Games Smoke alarms 24-hour Room Service Smoke Detector Safety & Hygiene Dispensors for PPE (Personal Protective Equipment) kits	Edit DELETE
2	6	103	Deluxe Suite		14850	With Ac Free Breakfast Free Wi-Fi Indoor Games Smoke alarms 24-hour Room Service Smoke Detector Safety & Hygiene Dispensors for PPE (Personal Protective Equipment) kits	Edit DELETE

This is the room view page of our website.

1.8 Admin Room Add

 [HOME](#) [USER](#) [HOTEL](#) [GALLERY](#) [ROOM](#) [BOOKING](#) [REVIEW](#) [LOGOUT](#)

ROOM

[Home](#) / [Add Room](#)


ADD ROOM

ROOM DETALIS VIEW

2 Large Bed
Safety deposit box
Slippers
Telephone
Tea/Coffee maker

This is the add room page of our website.

1.9 Admin Room Edit



HOMEUSERHOTELGALLERYROOMBOOKINGREVIEWLOGOUT

ROOM
Home / Edit Room

EDIT ROOM

ROOM DETALIS VIEW

101

HOTEL OM

Premium Quadruple Room

Choose File

26.jpg


9850

2 Large BedSafety deposit boxSlippers Telephone Tea/Coffee makerAir conditioningEnsuite bathroomFlat-screen TVFree WIFI

Update ROOM

This is the edit room page of our website.

1.10 Admin Gallery View







 [HOME](#) [USER](#) [HOTEL](#) [GALLERY](#) [ROOM](#) [BOOKING](#) [REVIEW](#) [LOGOUT](#)

GALLERY

[Home](#) / [Gallery](#)


GALLERY

[ADD NEW GALLERY DETALIS](#)

Hotel Name	Image URL	Title	Action
Taj Skyline Ahmedabad		Visiting Area	DELETE
Taj Skyline Ahmedabad		Restaurant	DELETE
Taj Skyline Ahmedabad		SwimmingPool Area	DELETE
Taj Skyline Ahmedabad		Gallery View	DELETE
Vivanta Ahmedabad SG Highway		Visiting Area	DELETE
Vivanta Ahmedabad SG Highway		Restaurant	DELETE

This is the gallery page of our website.

1.11 Admin Gallery Add

HOTELS

HOMEUSERHOTELGALLERYROOMBOOKINGREVIEWLOGOUT

GALLERY

Home / Gallery

ADD GALLERY

GALLERY DETALIS VIEW

HOTEL OM


Visiting Area

Choose File 35.jpg

ADD GALLERY

This is the add gallery page of our website.

1.12 Admin Booking View



HOME USER HOTEL GALLERY ROOM BOOKING REVIEW LOGOUT

BOOKING


Home / Booking

BOOKING

User ID	Hotel Name	Book Date	Check In Date	Check Out Date	Room Id
1	Taj Skyline Ahmedabad	2023-09-14	2023-09-15	2023-09-16	1
1	Taj Skyline Ahmedabad	2023-09-14	2023-09-15	2023-09-16	1
1	The Ummed Ahmedabad Airport	2023-09-16	2023-09-19	2023-09-23	8
2	Lemon Tree Premier, Dwarka	2023-09-16	2023-09-19	2023-09-21	11
2	The Ummed Ahmedabad Airport	2023-09-17	2023-09-09	2023-09-19	8
2	The Ummed Ahmedabad Airport	2023-09-17	2023-09-09	2023-12-09	8
2	The Ummed Ahmedabad Airport	2023-09-17	2023-09-09	2023-09-09	8

This is the booking page of our website.

1.13 Admin Review View

Hotels

HOME

USER

HOTEL

GALLERY

ROOM

BOOKING

REVIEW

LOGOUT

REVIEW

Home / Review

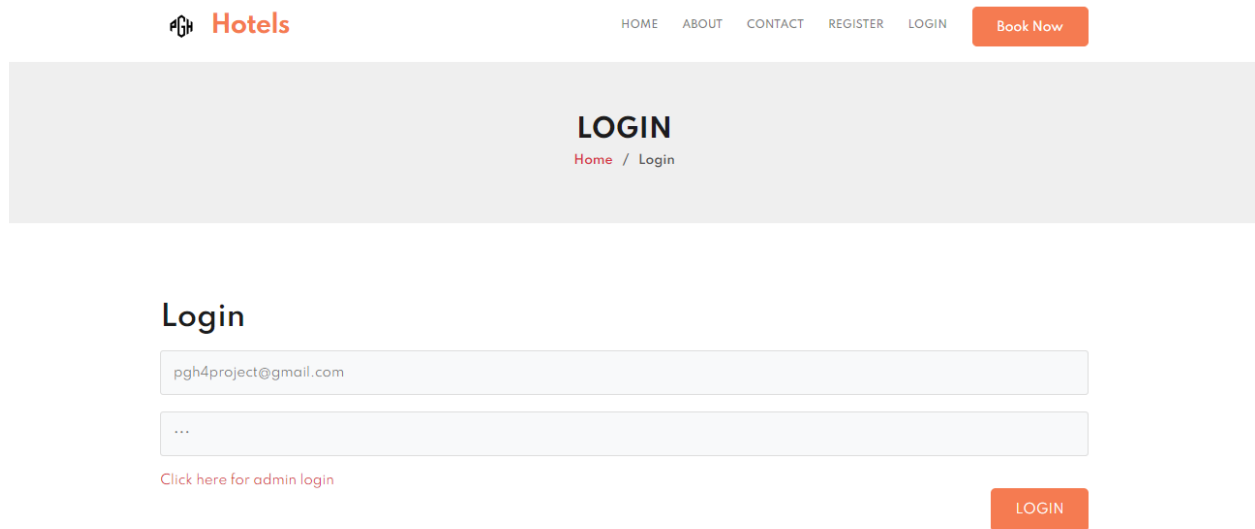
REVIEW

Rev ID	Hotel	Rev Date	Message	Rate
1	5	2023-09-21	This Hotel is Best	5
2	5	2023-09-21	Nice Website	3
3	5	2023-09-21	Bed Hotel	1
4	5	2023-09-21	Good Hotel ANd Nice Room	7
5	5	2023-09-21	Very Nice	4
6	5	2023-09-21	Bad	1

This is the review page of our website.

2. REGISTER USER SIDE:

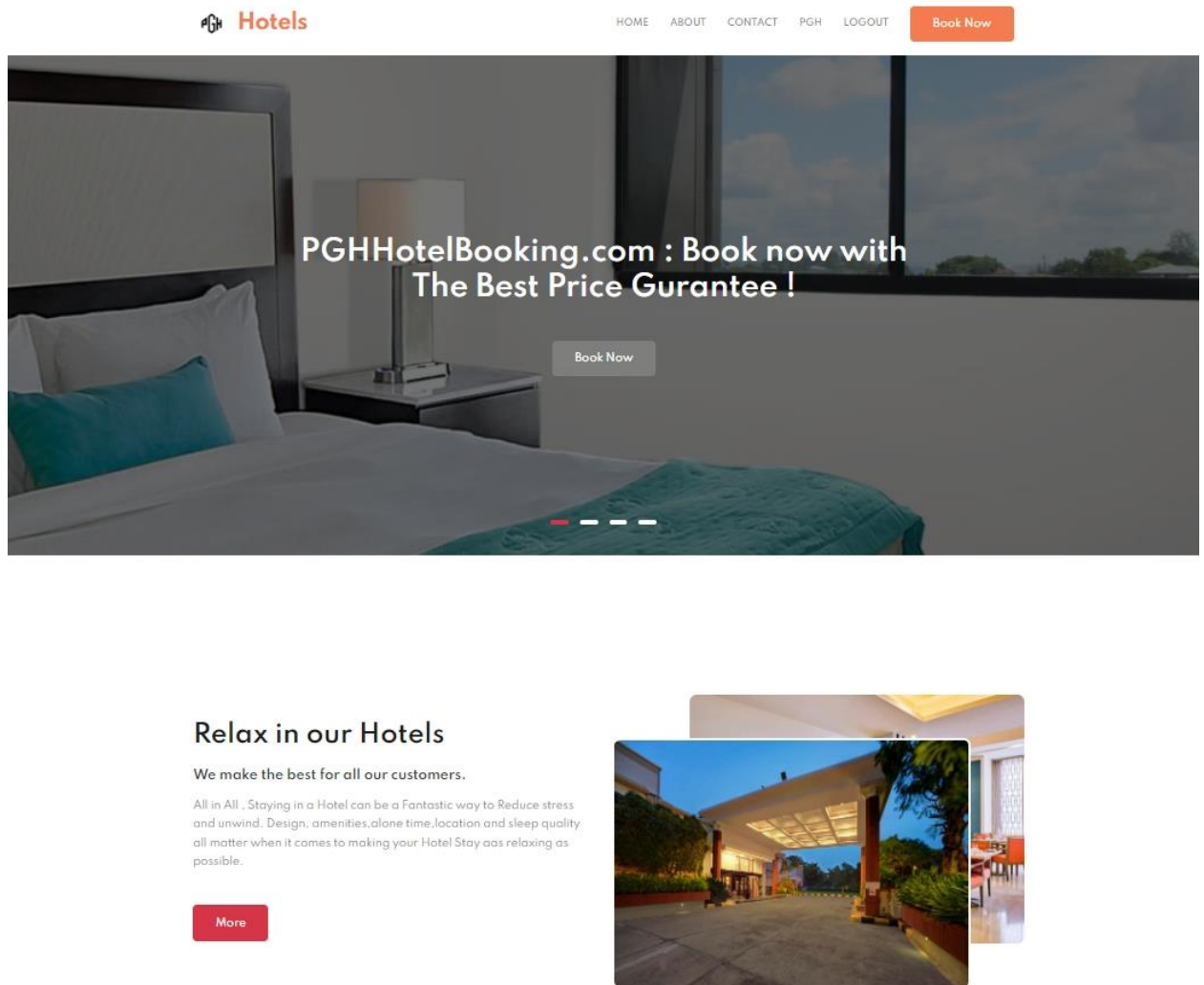
2.1 Register User Login Page



The screenshot displays the 'Login' page of a website. At the top, there is a navigation bar with the 'Hotels' logo on the left and links for 'HOME', 'ABOUT', 'CONTACT', 'REGISTER', and 'LOGIN' on the right. A 'Book Now' button is also present. Below the navigation bar, a large grey banner contains the word 'LOGIN' in bold, with 'Home / Login' in smaller text underneath. The main content area features a 'Login' heading, followed by two input fields: the first contains the email 'pgh4project@gmail.com' and the second contains three dots. Below these fields is a link that says 'Click here for admin login'. A 'LOGIN' button is located at the bottom right of the form area.

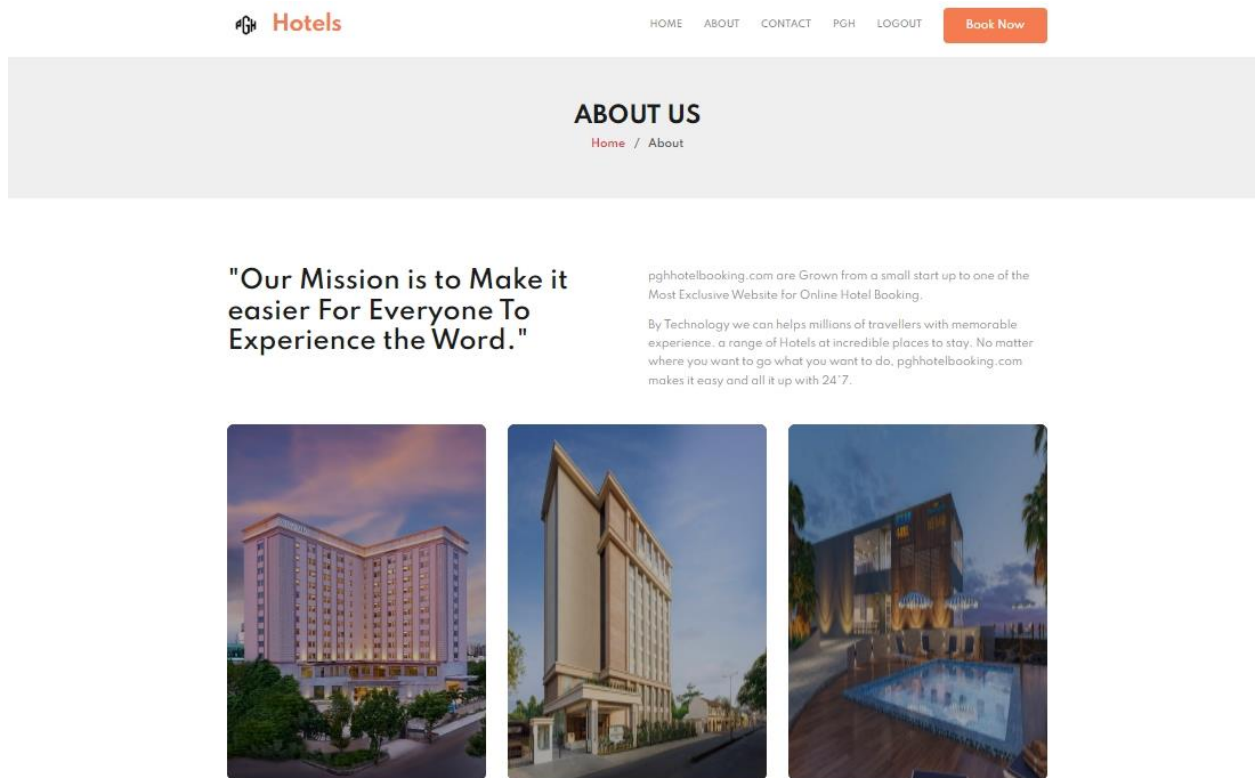
This is the register user login page of our website.

2.2 Register User Home Page




This is the register user home page of our website.

2.3 Register User About Page



This is the register user about page of our website.

2.4 Register User Contact And Review Page


 [HOME](#) [ABOUT](#) [CONTACT](#) [PGH](#) [LOGOUT](#) [Book Now](#)


CONTACT US AND REVIEW


[Home](#) / [Contact And Review](#)

Get in touch

Contact and Access

 **Call Us**
7874857651
7777932591
7359014467

 **Email Us**
pgh4project@gmail.com

 **Address**
Address here: C.U SHAH COLLAGE, Upasma Circle, Gujrat,
India - 383030.


[Send Message](#)

Review Send

[Send Review](#)

This is the register user contact and review page of our website.

2.5 Register User Booking Page



Hotels

[HOME](#)
[ABOUT](#)
[CONTACT](#)
[PGH](#)
[LOGOUT](#)
[Book Now](#)


BOOKING
[Home](#) / [Book Now](#)

Please Select Your City And Hotel


[All Hotels](#)
[Ahmedabad](#)
[Dwarka](#)
[Diu](#)
[Junagadh](#)




Taj Skyline Ahmedabad
Ahmedabad
Contact : 079 4040 0000
Address : Sankalp Square III, Opp. Saket3, Nr. Nilkanth Green Sindhubhavan Road, Shilaj, Ahmedabad, Thalje, 380059 Ahmedabad, India
[Book Now](#)




The Ummed Ahmedabad Airport
Ahmedabad
Contact : 92272 28959
Address : Near Airport Circle, 382475 Ahmedabad, India
[Book Now](#)




Vivanta Ahmedabad SG Highway
Ahmedabad
Contact : 079 3555 3555
Address : 147, 53, Sarkhej - Gandhinagar Hwy, opposite Bhagwat Vidhya Peeth, Sola, Ahmedabad, Gujarat 380061
[Book Now](#)



Lemon Tree Premier, Dwarka
Dwarka
Contact : 9898444444
Address : Near Iskon Gate Nageshwar Road, 361335 Dwarka, India
[Book Now](#)



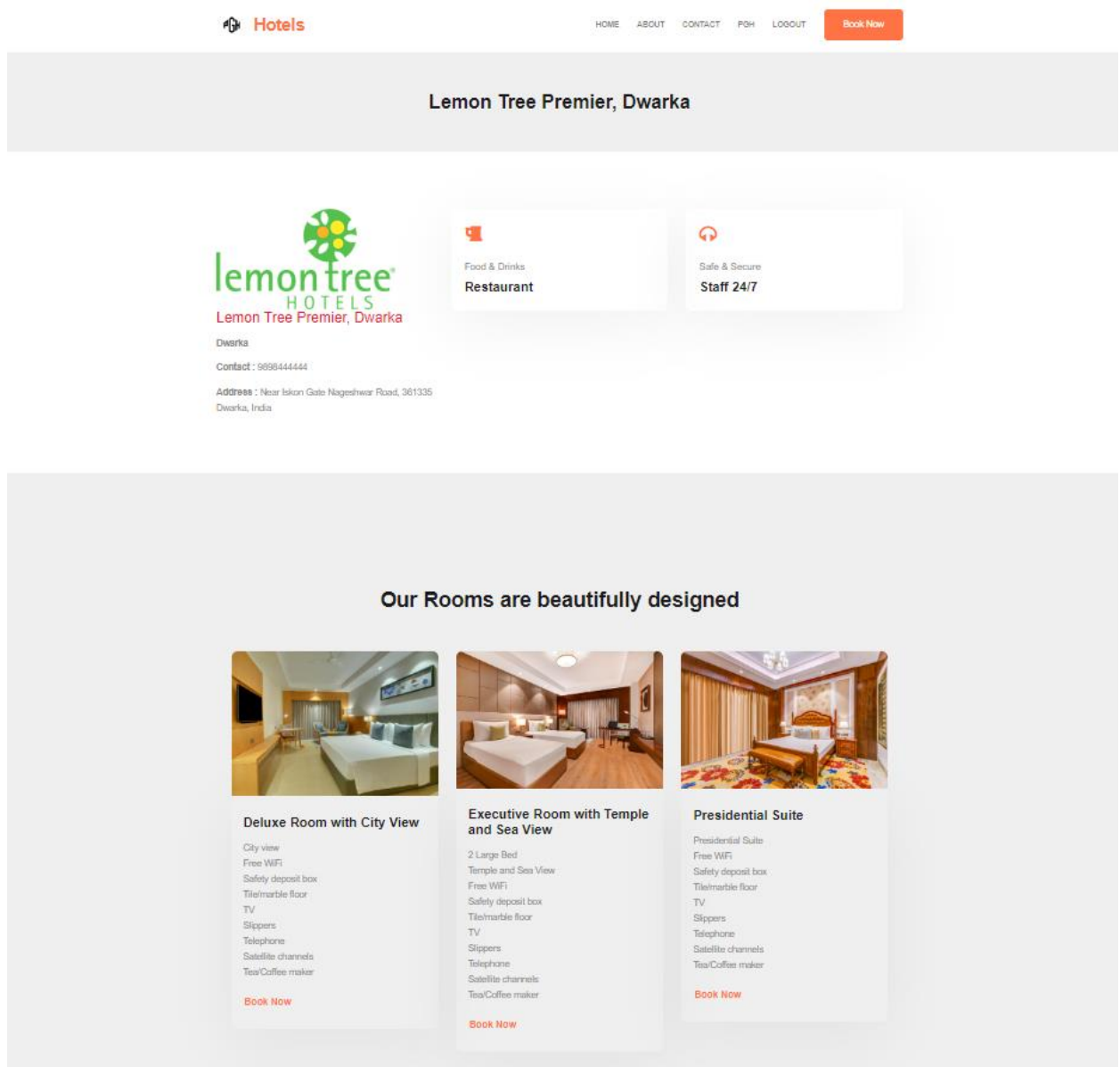
VITS Devbhumi, Dwarka
Dwarka
Contact : 75730 09851
Address : Okha State Highway, Near Ravla Lake, Opp. Main Post Office, 361335 Dwarka, India
[Book Now](#)



The Fern Seaside Luxurious Tent Diu
Diu
Contact : 6352351709
Address : Survey No.171/O,Tent City,Hillock City,Diu Dadra and Nagar Haveli and Diu and Daman, 362520 Diu,
[Book Now](#)


This is the register user booking page of our website.

2.6 Register User Hotel's Room Page



This is the register user hotel's room page of our website.


2.7 Register User Room Booking Page

 **Hotels**

HOME ABOUT CONTACT PGM LOGOUT

Book Now


Lemon Tree Premier, Dwarka




Lemon Tree Premier, Dwarka

Dwarka

Contact : 9898444444




Food & Drinks
Restaurant



Safe & Secure
Staff 24/7

Executive Room with Temple and Sea View @ Rs 12500 /- Per day



Executive Room with Temple and Sea View

2 Large Bed
Temple and Sea View
Free WiFi
Safety deposit box
Tile/marble floor
TV
Slippers
Telephone
Satellite channels
Tea/Coffee maker

Check Availability

Check-in Date

21-09-2023

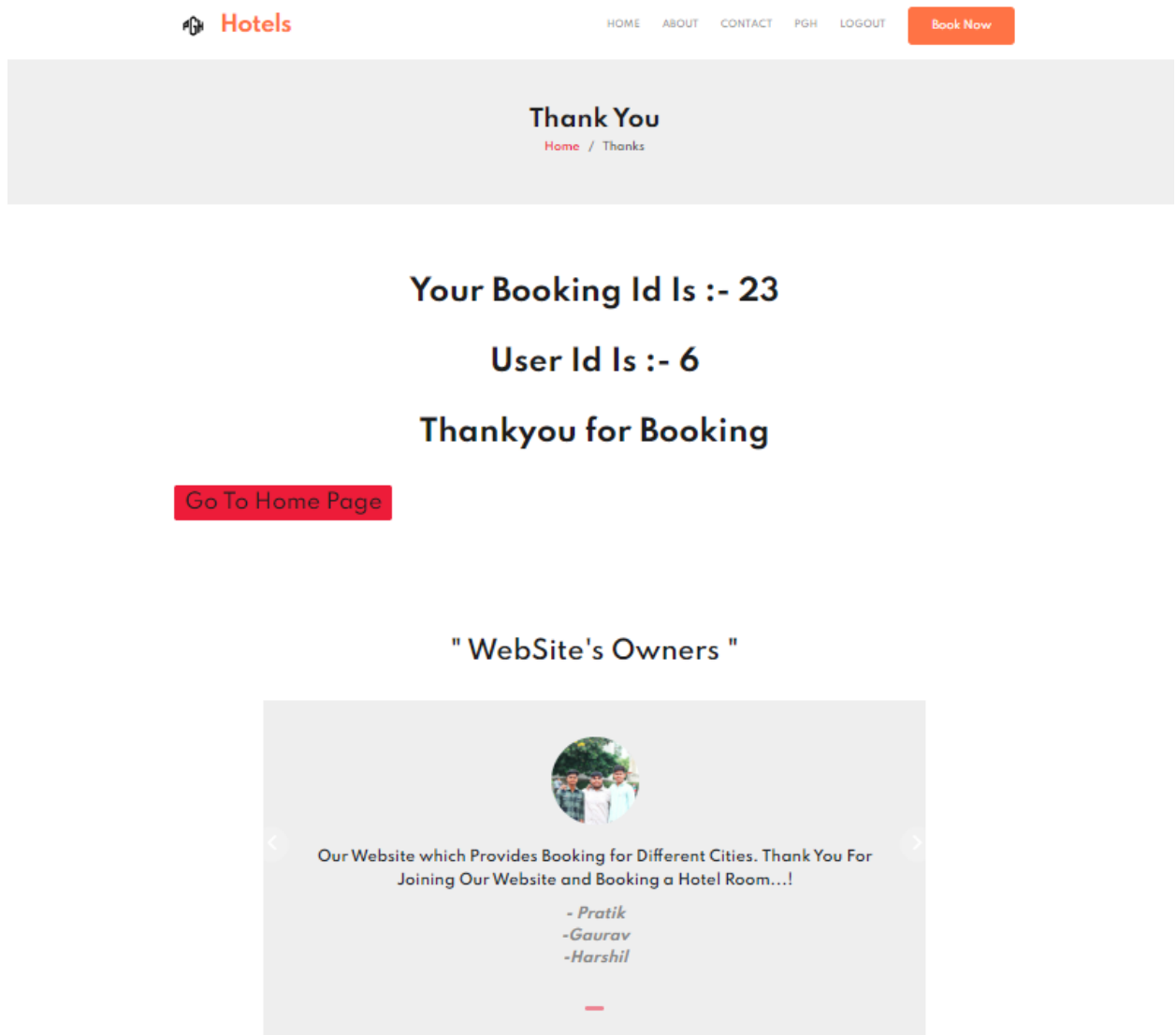
Check-out Date

23-09-2023

Book Room

This is the register user room booking page of our website.

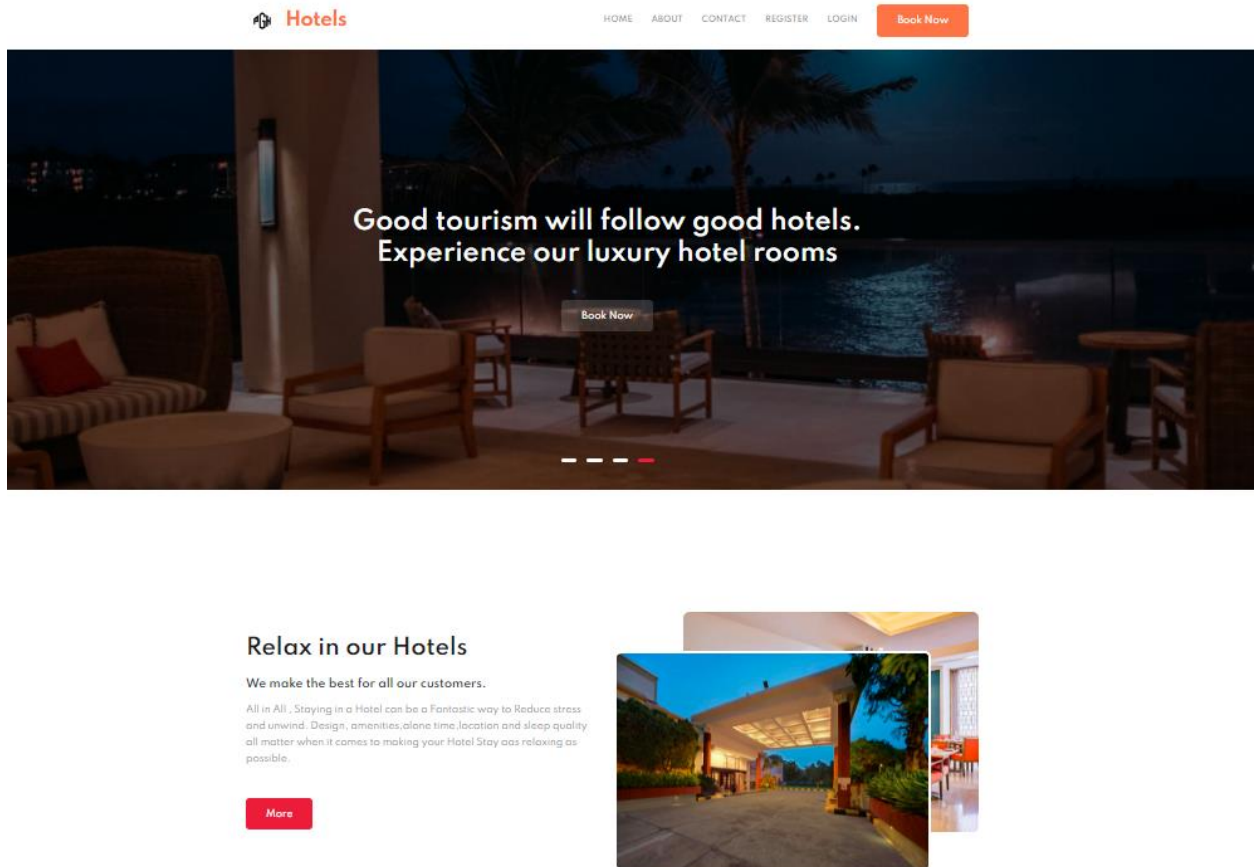
2.8 Register User Booking Details View



This is the register user booking details view page of our website.

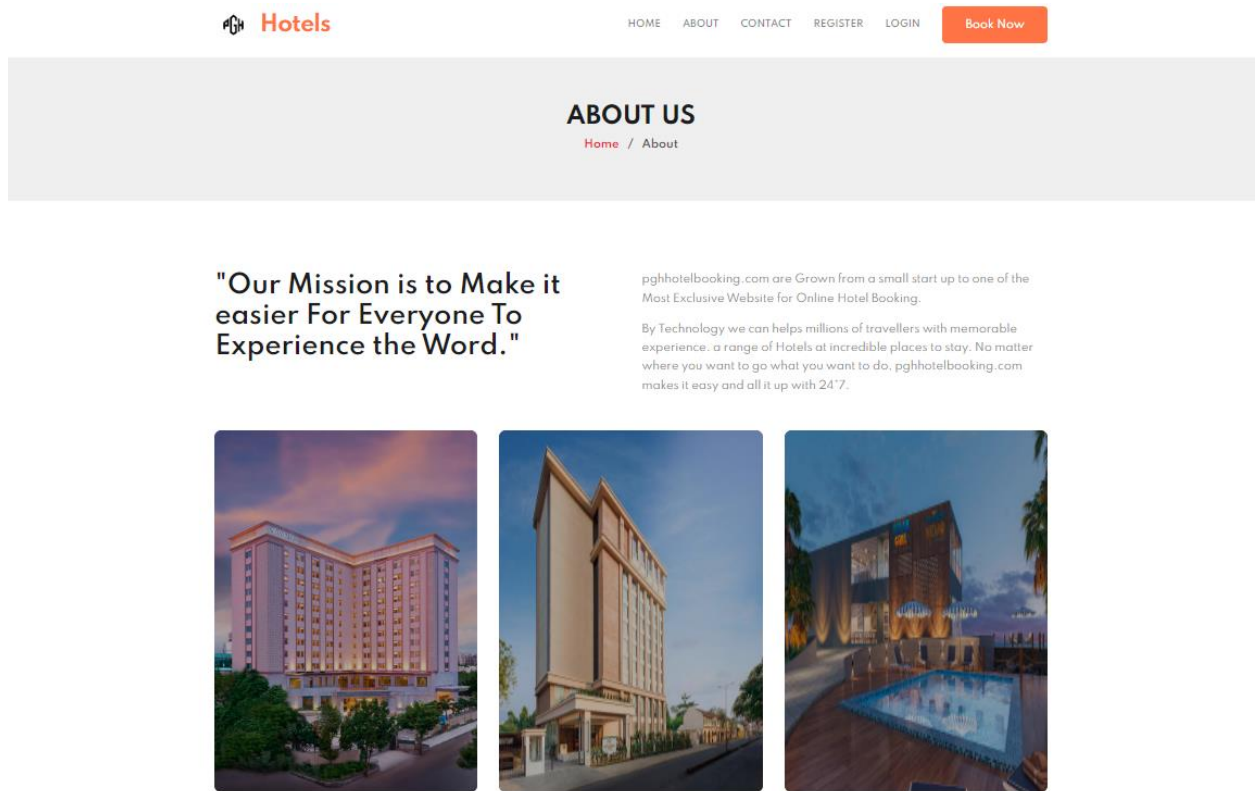
3. VISITOR SIDE:

3.1 Visitor Home Page




This is the visitor home page of our website.

3.2 Visitor About Page



This is the visitor about page of our website.

3.3 Visitor Contact And Review Page


 [HOME](#) [ABOUT](#) [CONTACT](#) [REGISTER](#) [LOGIN](#) [Book Now](#)


CONTACT US AND REVIEW


[Home](#) / [Contact And Review](#)

Get in touch

Contact and Access

 **Call Us**
7874857651
7777932591
7359014467

 **Email Us**
pgh4project@gmail.com

 **Address**
Address here, C.U SHAH COLLAGE, Upasna Circle,
Gujrat, India - 363030.

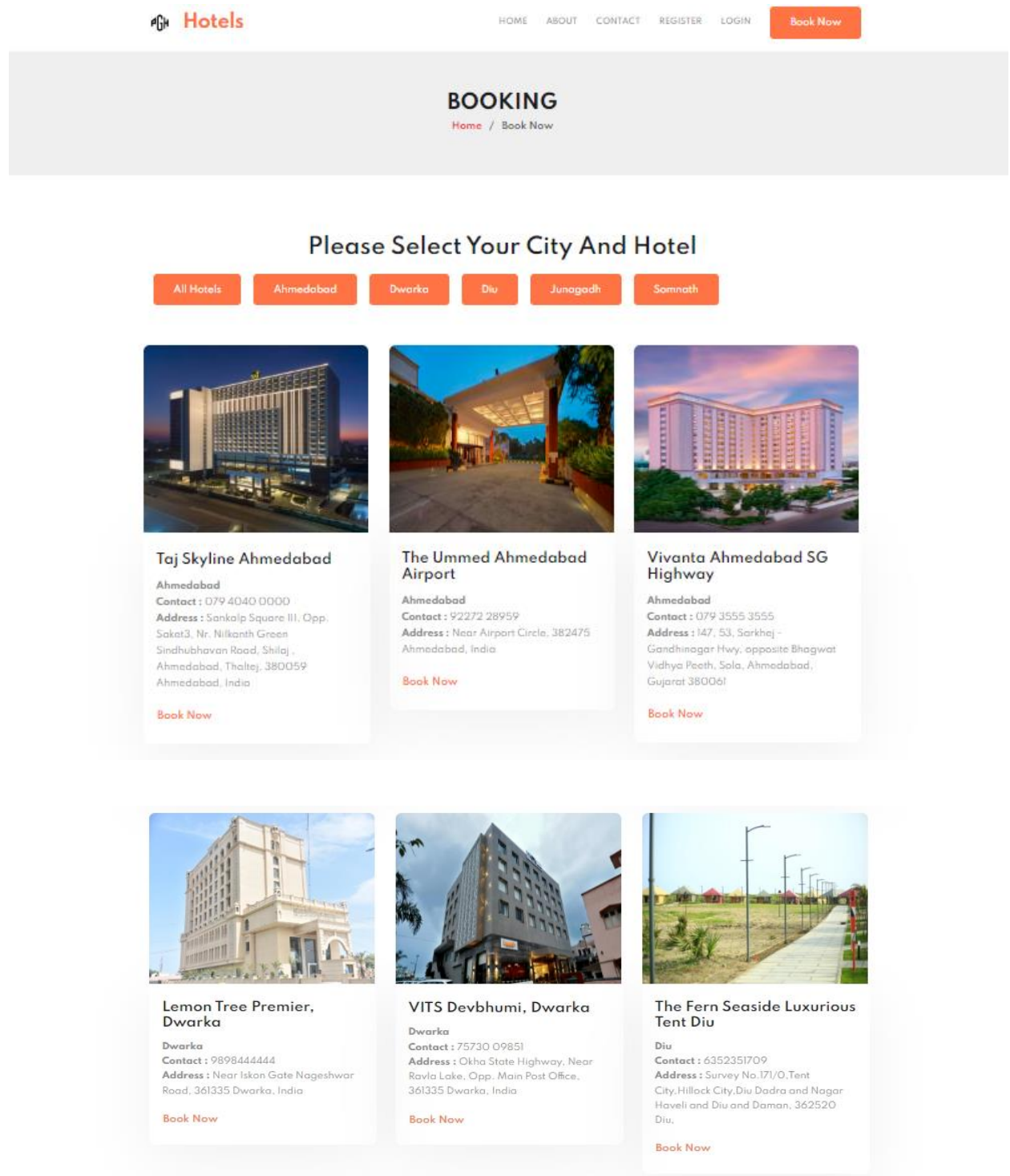
[Send Message](#)

Review Send

[Send Review](#)

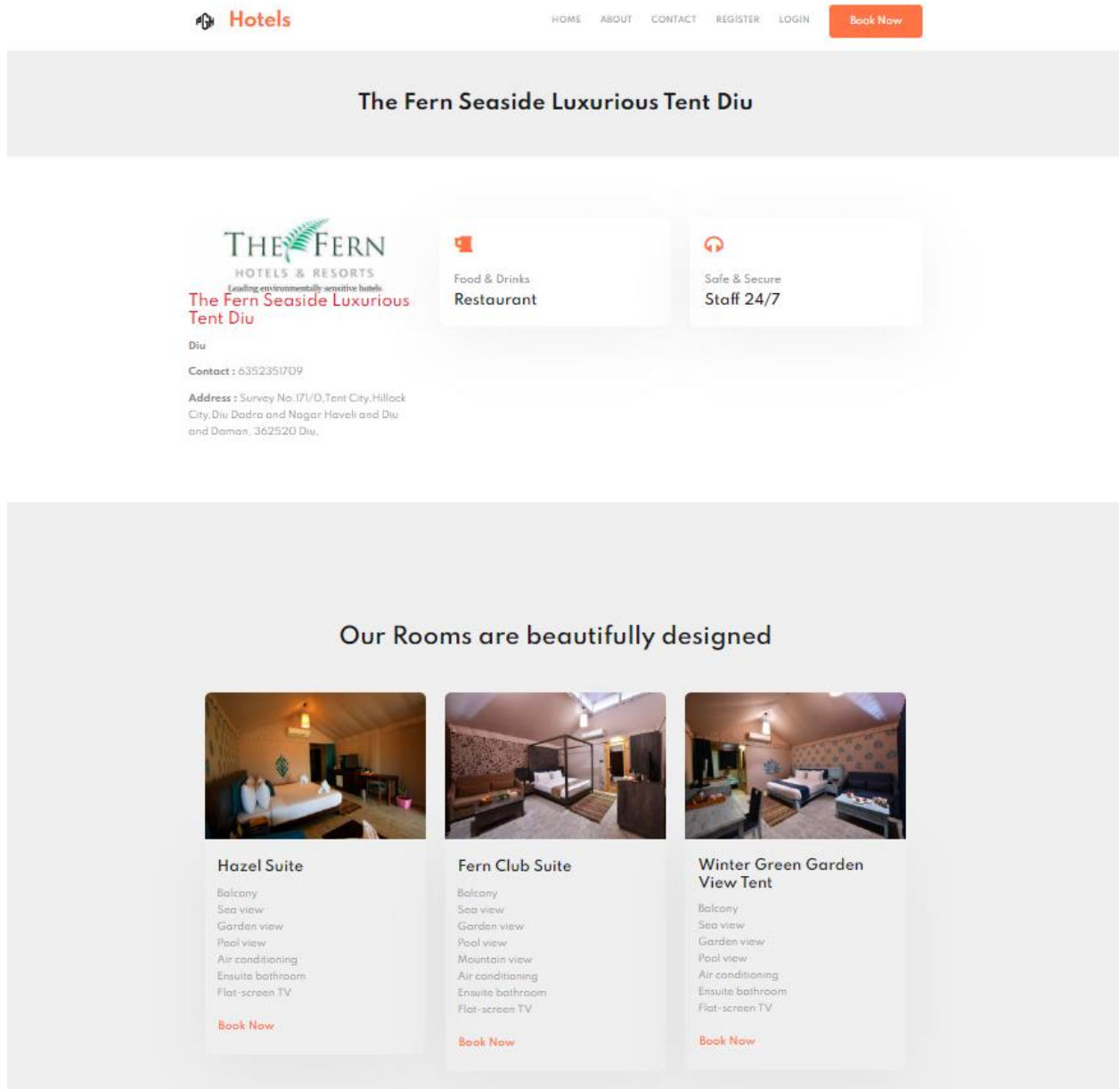
This is the visitor contact and review page of our website.

3.4 Visitor Booking Page




This is the visitor booking page of our website.

3.5 Visitor Hotel's Room Page



This is the visitor hotel's room page of our website.


3.6 Visitor Room Booking Page

 **Hotels**


HOME ABOUT CONTACT REGISTER LOGIN

Book Now


The Fern Seaside Luxurious Tent Diu



THE FERN
HOTELS & RESORTS
Leading environmentally sensitive hotels
The Fern Seaside Luxurious Tent Diu
Diu
Contact : 6352351709




Food & Drinks
Restaurant



Safe & Secure
Staff 24/7


Winter Green Garden View Tent @ Rs 15250 /- Per day




Winter Green Garden View Tent
Balcony
Sea view
Garden view
Pool view
Air conditioning
Ensuite bathroom
Flat-screen TV

Check Availability

Check-in Date

dd-mm-yyyy 

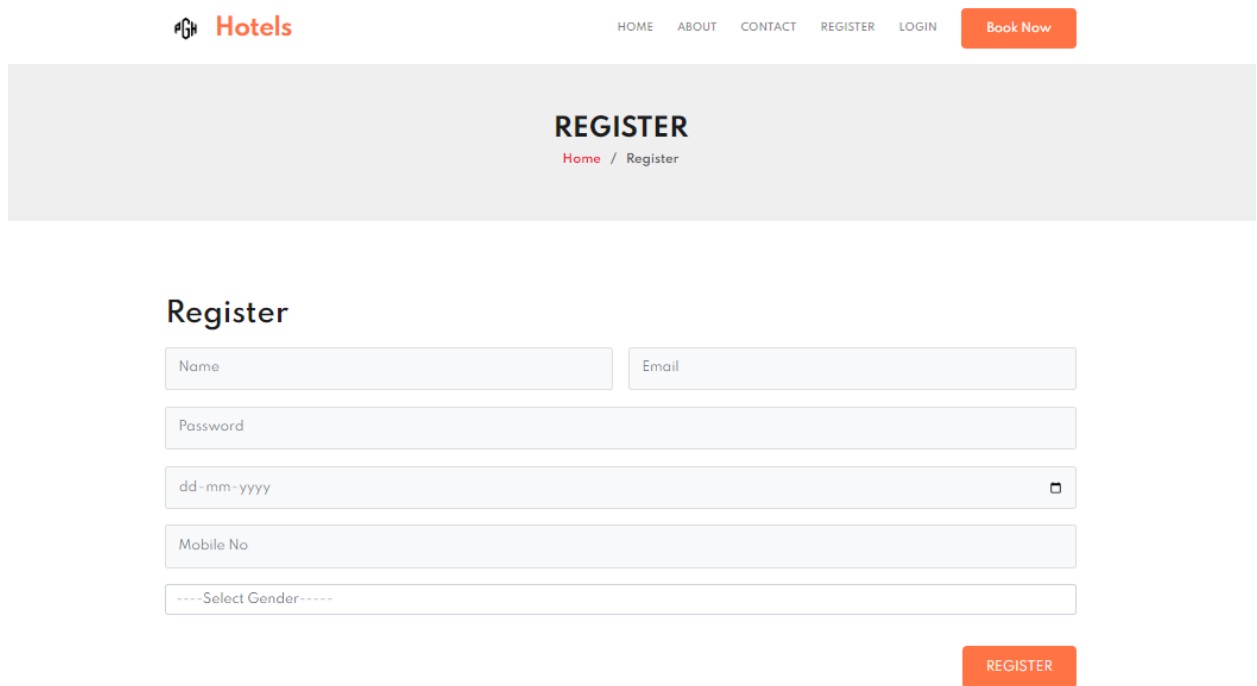
Check-out Date

dd-mm-yyyy 

Login To This

This is the room booking page of our website.

3.7 Visitor Register Page



The screenshot displays the 'REGISTER' page of a website. At the top, there is a navigation bar with the 'Hotels' logo on the left and links for 'HOME', 'ABOUT', 'CONTACT', 'REGISTER', and 'LOGIN' in the center. A red 'Book Now' button is positioned on the right. Below the navigation bar, a light gray banner features the word 'REGISTER' in bold, with a breadcrumb trail 'Home / Register' underneath. The main content area contains a 'Register' form with the following fields: 'Name' and 'Email' (side-by-side), 'Password', 'dd-mm-yyyy' (with a calendar icon), 'Mobile No', and a dropdown menu labeled '----Select Gender-----'. A red 'REGISTER' button is located at the bottom right of the form.

This is the visitor register page of our website.