



PROJECT PROPOSAL

2024

Prepared By :

Pranay Panchal
Keny Modi
Khushita Panchal



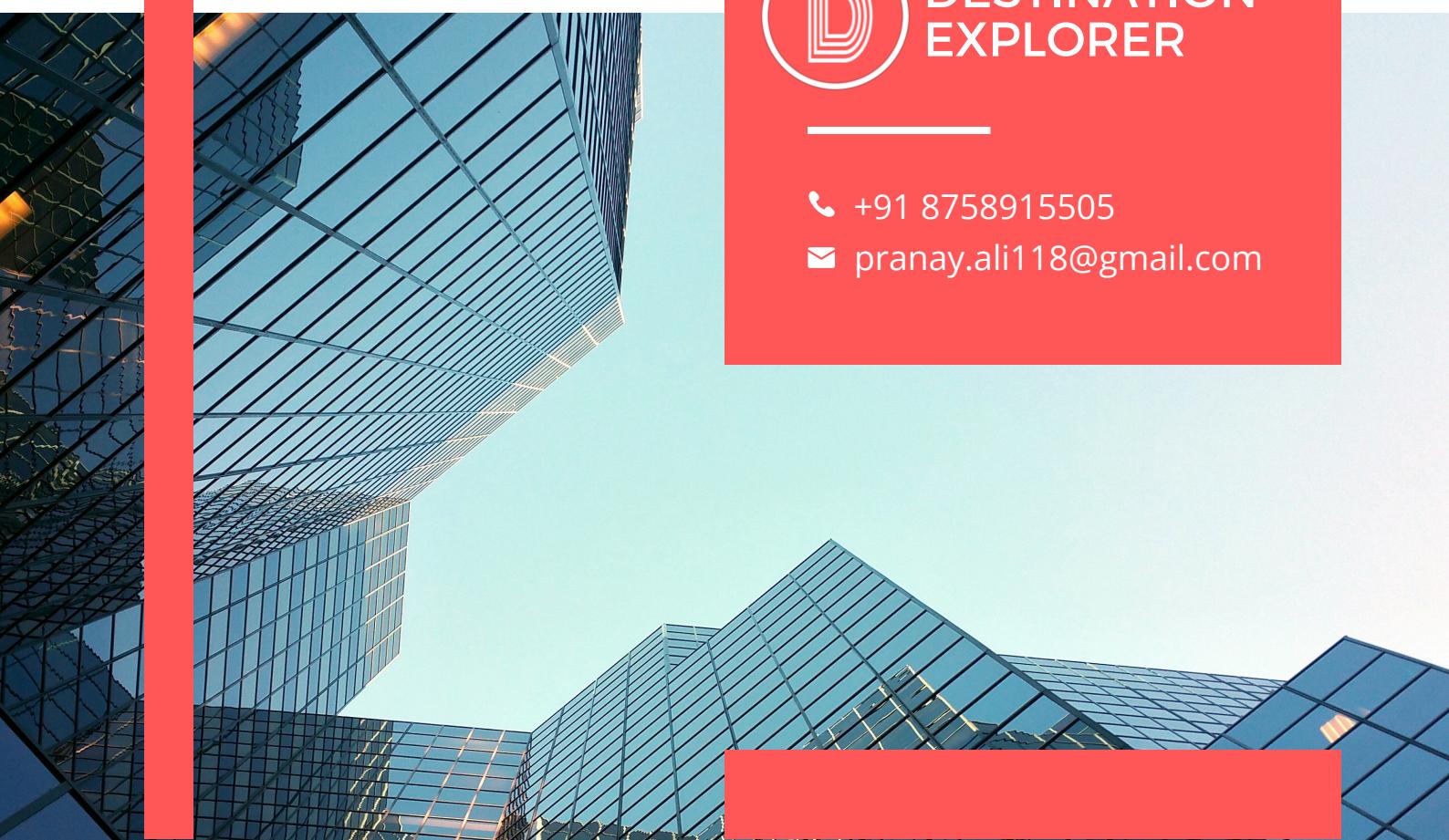
Guided By :
Riya Gohil



DESTINATION
EXPLORER

📞 +91 8758915505

✉️ pranay.ali118@gmail.com



DESTINATION EXPLORER

A PROJECT REPORT

Submitted by

PANCHAL PRANAY HIMANSHUBHAI

In fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING
In
COMPUTER ENGINEERING



LDRP INSTITUTE OF TECHNOLOGY AND RESEARCH,
GANDHINAGAR

Kadi Sarva VishwaVidyalaya, Gandhinagar

2024

LDRP Institute of Technology and Research

Computer Engineering Department



CERTIFICATE

This is to certify that the Project Work entitled "DESTINATION EXPLORER" has been carried out by PANCHAL PRANAY H. under my guidance in fulfilment of the degree of Bachelor of Engineering in Computer Engineering (5th Semester) of Kadi Sarva VishwaVidyalaya University, Gandhinagar during the academic year 2024

Guide:

Prof. RIYA S GOHIL

Internal Guide,
LDRP-ITR.

ACKNOWLEDGEMENT

I would like to express my deepest gratitude to everyone who contributed to the development and success of the Maghub project. This project is the result of continuous efforts, collaboration, and dedication from a team of talented individuals.

First and foremost, I would like to thank the project management team for their vision and leadership, which helped guide the project from its inception to completion. Their direction ensured that the project remained focused and aligned with its goals.

I would also like to extend my appreciation to the development team for their technical expertise and attention to detail. The seamless integration of design, functionality, and user experience was made possible by their hard work and commitment.

In addition, I am grateful to the design and content teams for creating a visually appealing and user-friendly interface, as well as engaging content that resonates with the target audience. Their creativity has brought life to the project.

Lastly, I want to acknowledge the users and testers who provided valuable feedback throughout the development process. Their insights were instrumental in refining the product and ensuring its usability.

This project would not have been possible without the collective efforts of everyone involved. I am truly thankful for your contributions and dedication.

Abstract

Destination Explorer is a groundbreaking travel platform designed to transform the way you plan and experience your journeys. Our website offers a suite of innovative features that cater to both novice travelers and seasoned adventurers, providing a seamless and immersive planning process.

One of our standout features is the ability to explore destinations through advanced 3D models. These detailed virtual representations allow you to tour places before you visit, offering a realistic and interactive glimpse into the world's most captivating locations. Whether you want to stroll through ancient ruins, wander through bustling city streets, or admire natural wonders, our 3D models bring your destinations to life.

In addition to virtual exploration, Destination Explorer provides comprehensive information on a wide range of tourism spots. Our extensive database covers popular attractions, historical landmarks, cultural sites, and hidden gems, ensuring you have all the insights needed to make the most of your trip. Each location profile includes essential details, visitor tips, and rich multimedia content to help you plan your visit with ease.

Our powerful search functionality enables you to discover new places tailored to your preferences. Whether you're looking for serene beaches, vibrant nightlife, or family-friendly activities, our search tools make it easy to find destinations that match your interests. You can filter results based on various criteria, ensuring a personalized and efficient search experience.

Moreover, Destination Explorer takes the hassle out of finding accommodations by suggesting great hotels. Our recommendations are based on extensive reviews, ratings, and user feedback, ensuring you find the best places to stay that suit your budget and needs. From luxury resorts to budget-friendly inns, we provide a curated selection of lodging options to enhance your travel experience.

TABLE OF CONTENTS

01	Introduction	
	Problem Summary	01
	Project Purpose	01
	Requirements	01
	Language	02
	Constraints	02
	Assumptions	02
	Technology and Literature Review	02
02	Key Features	
	Tourism Information	04
	Hotel Booking	04
	3D Models of Tourism Places	04
	Search Functionality	05
	Customizable Color Themes	05
	Responsive Design	05
	Contact Form	05
03	Other	
	Advantages	06
	Disadvantages	06
	Functional Req.	07
	Non-Functional Req.	07

TABLE OF CONTENTS

04	Features in Depth	
	Search Bar	08
	Customization	09
	3D Models	10
05	Diagrams	
	Use Case Diagram	11
	Class Diagram	12
	ER Diagram	13
	Zero Level DFD	14
	Level One DFD	15
	Can & Can't dos	16
06	Database Structure	
	Details	17
	Table:Contact	18
	Contact Data Dictionary	19
	Table:Booking Form	20
	Booking Form Data Dictionary	21
07	Responsive Web	
	Details	22
	Images	23

TABLE OF CONTENTS

04	Conclusion	
	Future Works	27
	Reference	27
05	Glimpse of web	
	Home Page	28
	Contact Form	28
	Navigation Page	29
	Interface	29
	Booking Form	30

Problem Summary:

We are trying to solve to find the details about the visitable destination like Big cities, Historical places, Statues and many more.

It can be very hard to find though one website or other details on Google.

Project Purpose:

The main purpose of the project is to make people to find places on our world and user friendly.

We are also providing the information about places.

Our project also show the per person pricing at the particular place or city.

Our project makes easier to get all the details of any place in the world by just one click or one search.

Requirements:

Hardware Requirements:

- 1.RAM: 2GB
- 2.Processor: INTEL i3 -9100F
- 3.Graphics Card: INTEL UHD or GT 710

Software Requirements:

- 1.Operationg System: Windows 7

Browser Requirements:

- | | |
|-----------------|-----------------------------|
| 1.Google Chrome | 4.Opera 10 |
| 2.Safari 4 | 5.Internet Explorer 6,7 & 8 |
| 3.FireFox 3.4 | |

Language:

Static:

1.HTML

2.css

Dynamic:

1.PHP

2.JAVASCRIPT

Constraints:

- This is a very basic website intended to be used in only small or homely used system.
- Initial expenses of setting up the website is easy. And also cost-effective in the long run.
- User's acceptance of this system is also easy.

Assumptions:

- Timely updates of website are necessary. And we assume that details will be updated at regular time intervals.
- We assume that the application is much easier for the user than the process of manually searching for any place is easy and seamless.

Technology and Literature Review:

HTML:

HTML (Hypertext Mark-up Language) is the most basic building block of the Web. It defines the meaning and structure of web content.

Other technologies besides HTML are generally used to describe a web page's appearance/presentation (CSS) or functionality/behaviour (JavaScript).

CSS:

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a mark-up language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

PHP:

PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish Canadian programmer Ramos Leadoff in 1994. The PHP reference implementation is now produced by The PHP Group.

Javascript:

Javascript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else. (Okay, not everything, but it is amazing what you can achieve with a few lines of JavaScript code.)

Key Features:

1. Tourism Information:

- Users can browse and explore a wide range of tourism destinations.
- Each destination page contains detailed information including:
 - Overview: A brief history and description of the place.
 - Photos and 3D Models: Users can view both static images and immersive 3D models of the destination.
 - Top Attractions: Highlights must-visit spots, landmarks, and nearby attractions.
 - Best Time to Visit: Information about seasonal weather and peak tourist times.

2. Hotel Booking:

- Users can view and book hotels near their selected tourist destinations.
- Booking Form: A simple form that collects necessary booking details like check-in, check-out dates, number of guests, and room preferences.
- Real-time Availability: Hotels display room availability and pricing based on user input.
- Personalized Suggestions: Based on the selected destination, the website provides suggestions for nearby accommodations.

3. 3D Models of Tourism Places:

- Integration of 3D models to offer users a virtual tour of the destinations.
- Users can rotate, zoom, and interact with the models to get a detailed view of popular tourist spots like landmarks, monuments, and scenic views.
- Immersive Experience: By using WebGL or similar 3D technology, users can explore destinations as if they were physically present.

4. Search Functionality:

- A search bar is provided at the top of the website to allow users to quickly search for specific destinations or hotels.
- Auto-complete suggestions: As users type, the search bar shows suggested destinations, hotels, or categories (e.g., "beaches," "mountains").
- Filter Options: Users can filter search results by location, price, hotel rating, or amenities.

5. Customizable Color Themes:

- Users can customize the look and feel of the website by choosing from different color themes.
- Theme Options: Dark mode, light mode, and several color schemes that users can select based on their preference.
- Saved Preferences: Once a user selects a theme, their preferences are saved for future visits, creating a personalized browsing experience.

6. Responsive Design:

- Destination Explorer is built with a mobile-first approach to ensure it works seamlessly across all devices, including desktops, tablets, and smartphones.
- Adaptive Layout: The website automatically adjusts its layout and content to fit various screen sizes, ensuring optimal user experience on both large and small devices.
- Touch-friendly Design: Buttons, forms, and interactive elements are designed to be touch-friendly for smartphone users.

7. Contact Form:

- Contact Form: A simple form for users to submit inquiries or feedback.
- The form collects user information such as name, email, phone number, and message.
- Upon submission, the data is saved to the contact form database, and an acknowledgment message is sent to the user.

Advantages:

- More user friendly.
- Easy to use.
- Provides 3D models of places.
- Easy to find places.
- Provides great interaction with user.

Disadvantages:

- Cannot add all places because of quantity.
- Cannot provide exact price per person.
- Requires high system requirements.
- Requires latest browser support.
- Requires more data.

Functional Requirements

- Admin can search any details of user except the confidential ones.
- Admin can see any bookings of the user.
- Admin can manage payment details.
- Clients can fill contact form
- Client can book hotels

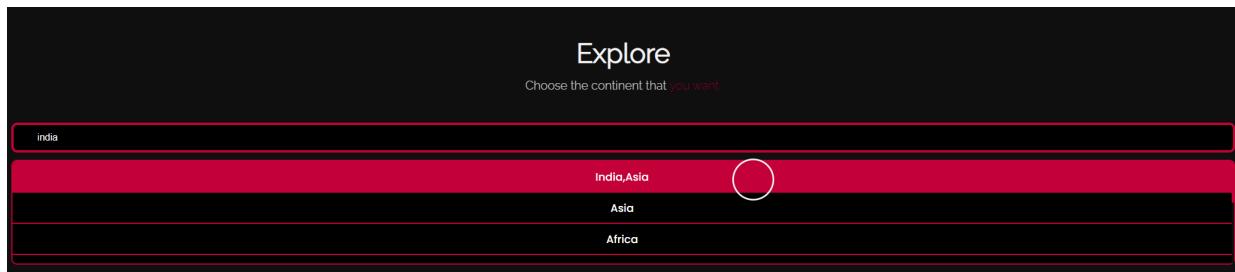
Non-Functional Requirements

- The service must be available at any time without any problems.
- The database of service must be secure.
- It must be accessible from most of the devices
- Must be usable on any latest or older browsers if possible.
- It must be easily usable on any operating devices.

Search Bar:

We are providing search bar in explore navigation page. Which makes searching of places easy and more user friendly.

Prominently placed at the center of the homepage, allowing users to quickly search for tourist destinations.



Using the search bar user can easily and directly access the place or destination by just searching. This search bar also provides suggestions by the keywords. This tab is provided at the top of the Explore pages. All the places are sorted ascending order by the alphabets. After searching user will click the name and that will directly take user to the place details or information.

As users type, the search bar dynamically displays suggested destinations or categories.

Customization:

Our website provides different types of colour customization. It can be changed by user easily and provides 1 main theme colour and 5 other different colours.



- Red
- Purple
- Malt
- Green
- Blue
- Orange

These colours will be changed to all over the website and it also changes accent colour. It is easier because this tab can be opened in any webpage.

Website Theme Customization allows users to modify the appearance and style of a website based on personal preferences or brand identity. Users can change various visual elements, such as colors, fonts, layouts, and images, to create a personalized look and feel for their website without altering the core functionality.

3D Models:

Our website provides 3D models of famous and highly rated visitable places

These models are taken from sketchfab.com

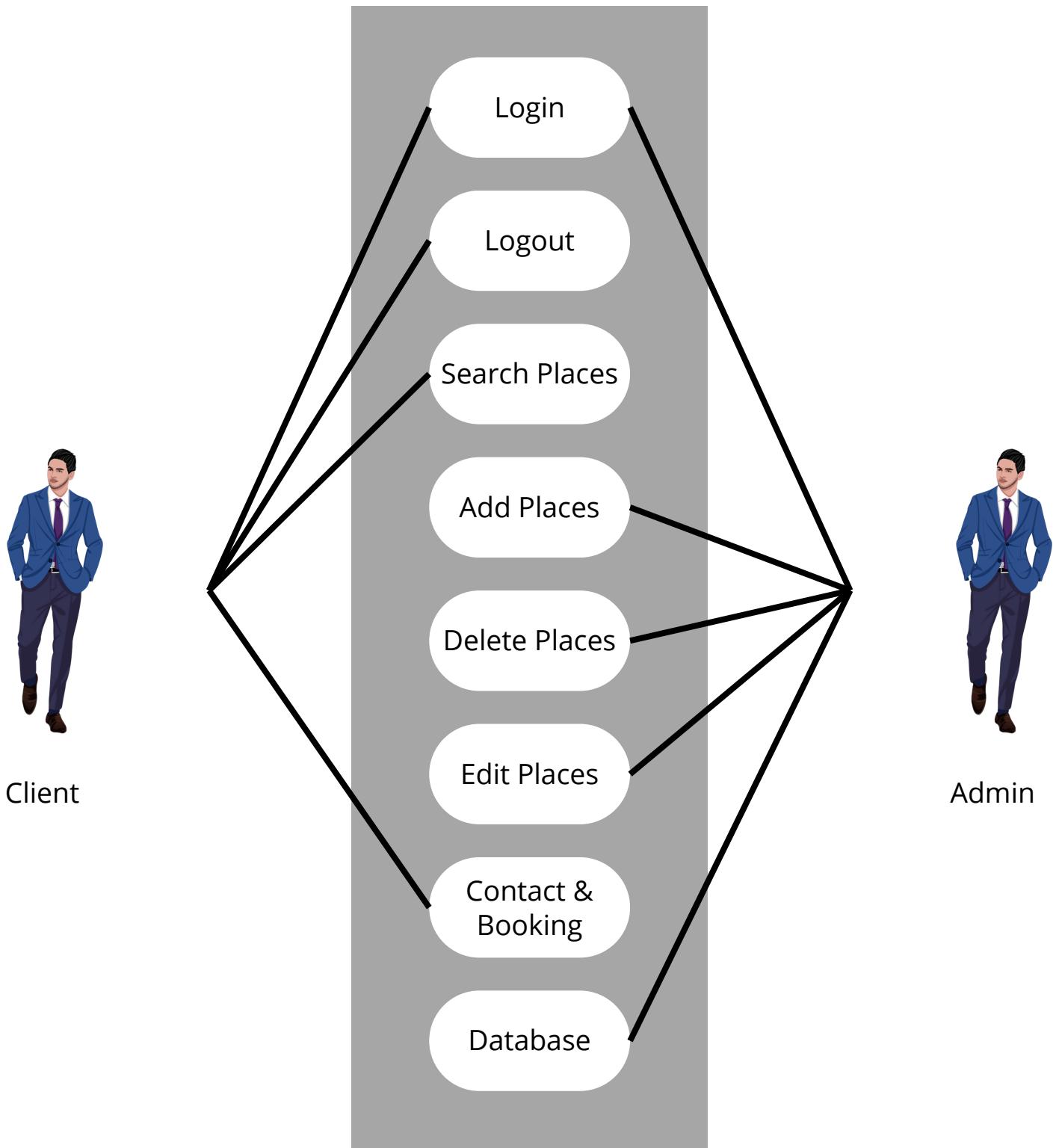
More models will be added after other updates and we will cover more visitable places as possible



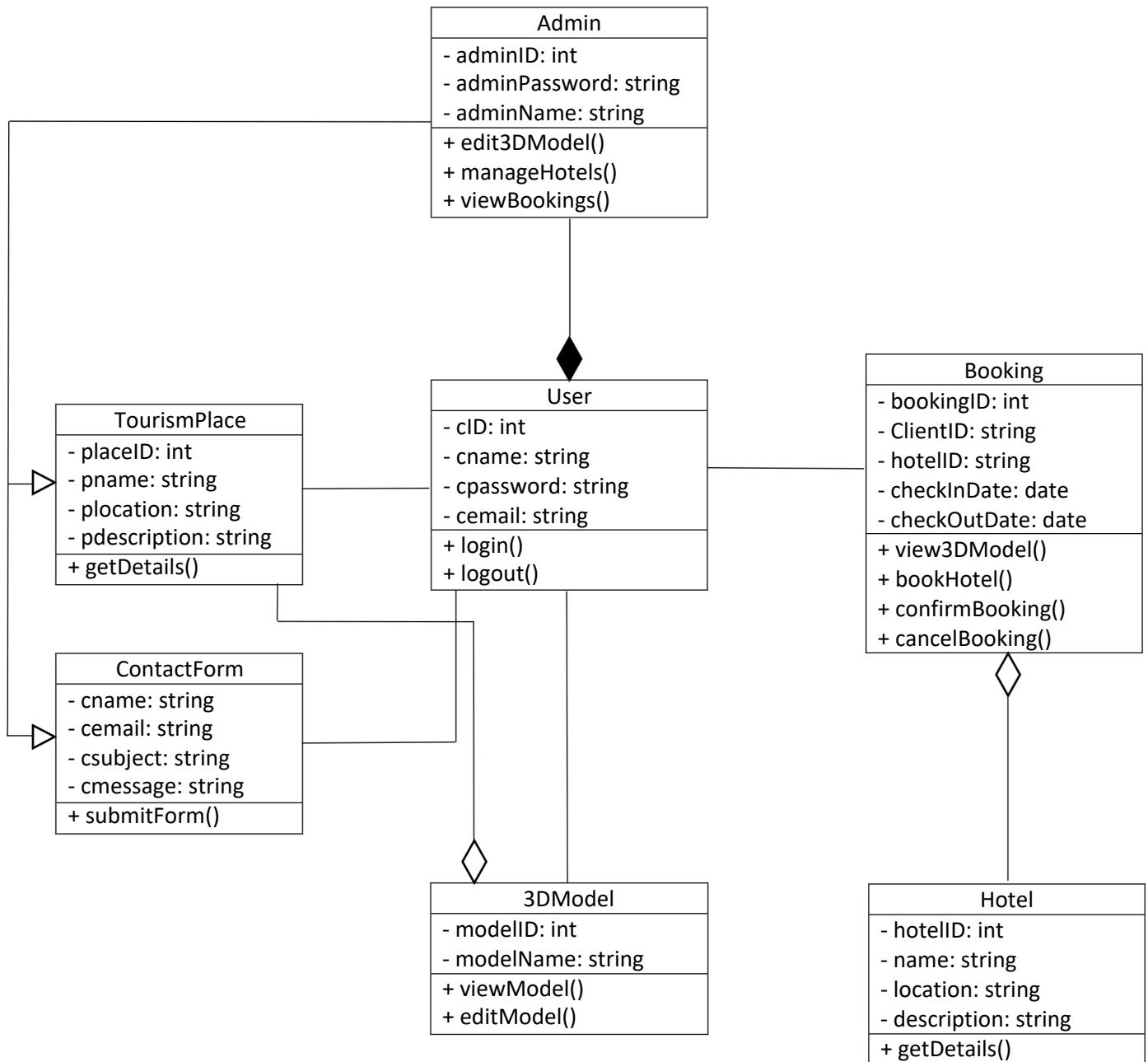
As you can see the model of Taj Mahal, It can be viewed from any angle as the client wants. We can also zoom in and zoom out as we want or client want.

This feature allows users to explore popular tourism destinations through interactive 3D models. The website will provide immersive and detailed virtual representations of various tourist attractions, enabling users to visually explore these places from different angles and perspectives.

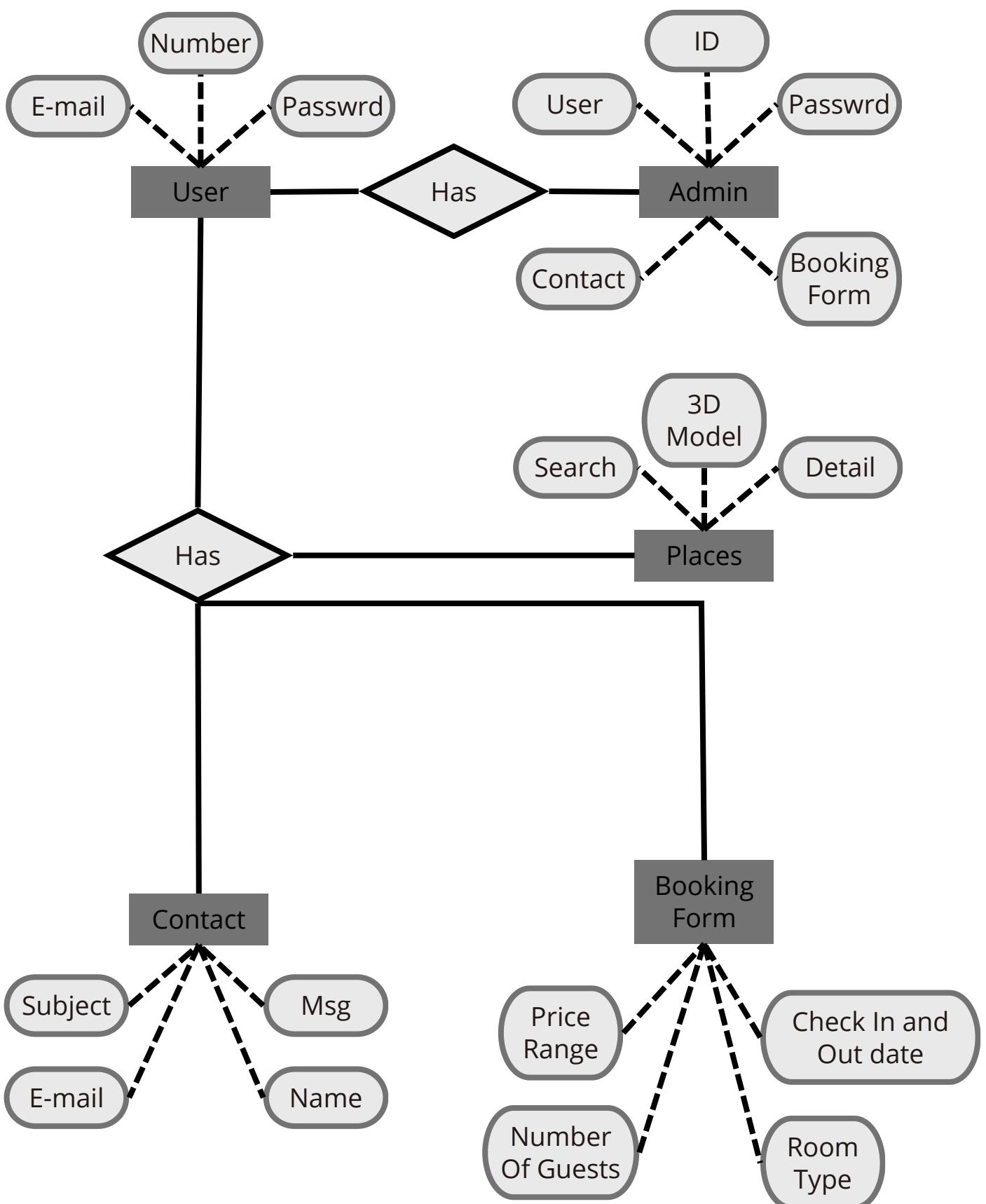
Use Case Diagram:



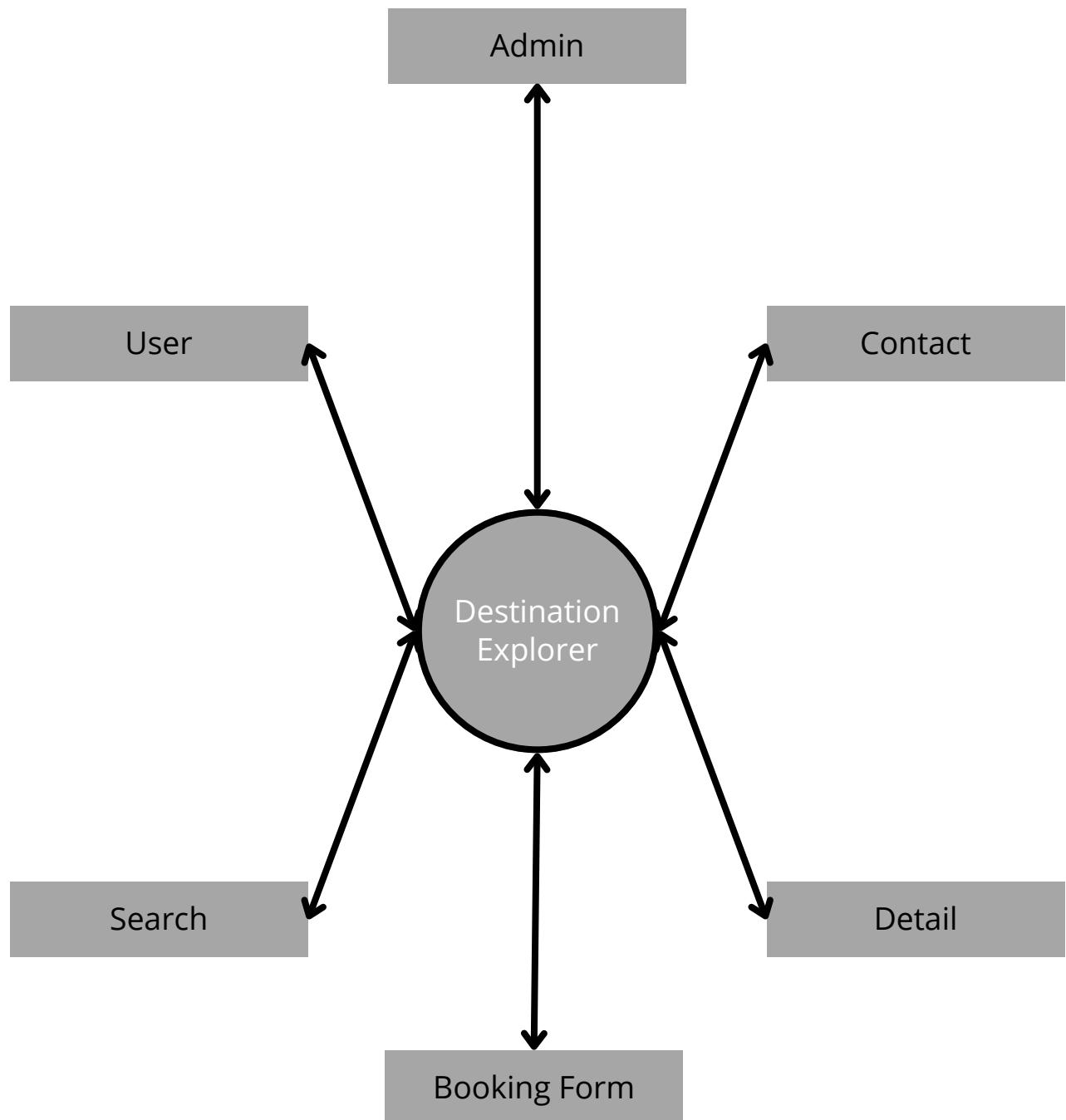
Class Diagram:



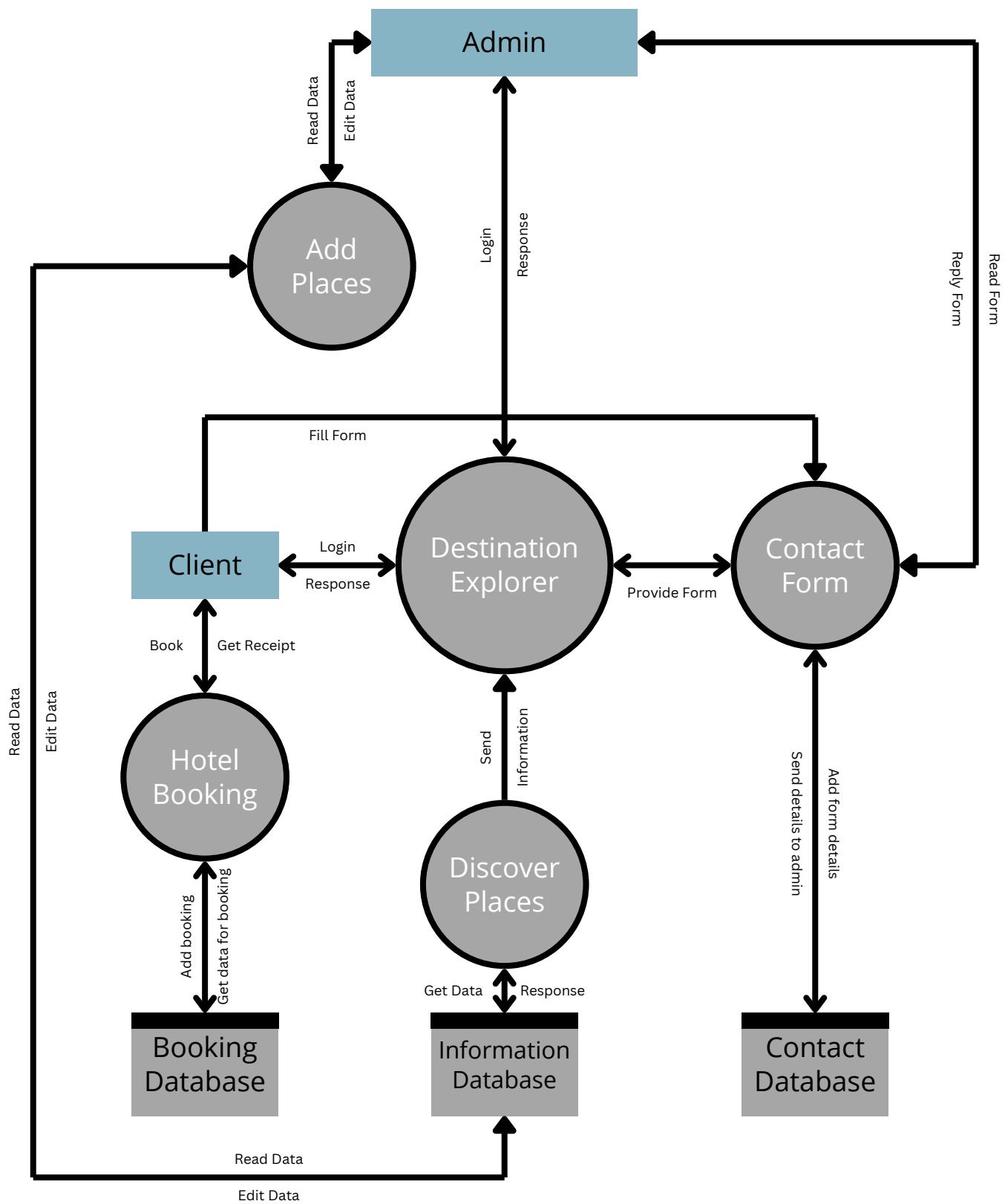
ER Diagram:



Zero level DFD Diagram:



Level One DFD Diagram:



What admin can do?:

- Can login to the Database.
- Can change add the places.
- Can edit the places.
- Can remove the places.
- Change the 3D models.
- Reply with the E-Mail.

What client can do?:

- Can search for places.
- Can login or logout on the website.
- Can search for places.
- Can use contact form.
- Can see 3D models.
- Book a hotel by filling the form.

Database Structure:

You will need a MySQL database with the following tables:

Users: This table will be used for storing information about the users.

Bookings: This table will be used for storing information about the booking details of the users who have done it.

Contact Form: This table will store the queries that the user have. This will help to give feedback about the website, fix any errors and more changes or features that users want.

- PHP: To handle server-side operations, database connectivity, and form submissions (e.g., booking form, contact form).
- MySQL Database: To store data for users, hotels, bookings, and contact form submissions.
- APIs: Integration of 3rd-party APIs for maps (e.g., Google Maps API) to show hotel locations and destination routes.

Database:

Table: contact:

The screenshot shows the phpMyAdmin interface for a MySQL database. The left sidebar lists databases: information_schema, performance_schema, mysql, test, contact, ds_contactform, and New. The 'contact' database is selected. The main area displays the 'contact' table with the following data:

cname	cemail	cssubject	cmessage
abc	abc@gmail.com	ABCsubject	ABCmessage
ghi	ghi@gmail.com	GHIsubject	message
abc	abc@gmail.com	ABCsubject	message
def	def@gmail.com	DEFsubject	message

Below the table, there are buttons for 'Show all', 'Number of rows: 25', 'Filter rows:', and a search input field. To the right, there is a 'Query results operations' section with buttons for Print, Copy to clipboard, Export, Display chart, Create view, and a 'Console' button.

Data Dictionary:

Table: Contact:

No	Field Name	Datatype	Size	Constraint	Description
1	cname	VARCHAR	50	Not Null	Name of User
2	cemail	VARCHAR	50	Not Null	E-Mail of User
3	cssubject	VARCHAR	50	Not Null	Subject of topic
4	cmessage	VARCHAR	2000	Not Null	Topic details

Database:

Table: Booking Form:

The screenshot shows the phpMyAdmin interface for a MySQL database named 'MySQL'. The left sidebar shows the database structure with tables like 'information_schema', 'mysql', 'performance_schema', and 'sys'. The main area displays the 'bookingform' table with the following data:

bookname	bookemail	bookphone	bookplace	bookpricerange	bookcheckin	bookcheckout	bookguests	bookroomtype
Pranay	pranay.ali118@gmail.com	90	Gate Way Of India	\$100 - \$200	0000-00-00	0000-00-00	0	&bookroomtype
Pranay	pranay.ali118@gmail.com	90	Gate Way Of India	\$100 - \$200	0000-00-00	0000-00-00	0	&bookroomtype
Pranay	pranay.ali118@gmail.com	90	Golden Temple	\$100 - \$200	0000-00-00	0000-00-00	0	&bookroomtype
Pranay	pranay.ali118@gmail.com	90	Gate Way Of India	\$100 - \$200	0000-00-00	0000-00-00	0	&bookroomtype
Pranay	pranay.ali118@gmail.com	90	Gate Way Of India	\$100 - \$200	0000-00-00	0000-00-00	0	&bookroomtype
Pranay	pranay.ali118@gmail.com	90	Gate Way Of India	\$100 - \$200	0000-00-00	0000-00-00	0	&bookroomtype
Pranay	pranay.ali118@gmail.com	2147483647	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	2147483647	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	1234567	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	12345678	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	123456789	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	1234567890	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	2147483647	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	2147483647	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	1345678902	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	2147483647	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	2147483647	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	8758915505	Goa	\$100 - \$200	2023-05-05	2023-05-12	2	deluxe
Pranay	pranay.ali118@gmail.com	8758915505	Golden Temple	₹0 - ₹100	2023-05-06	2023-05-13	2	suite
Pranay	pranay.ali118@gmail.com	8758915505	Kutch	₹3000 - ₹7000	2023-05-16	2023-05-19	2	standard
Pranay	pranay.ali118@gmail.com	8758915505	Gate Way Of India	₹0 - ₹1000	2023-05-05	2023-05-20	2	deluxe

Data Dictionary:

Table: Contact:

No	Field Name	Datatype	Size	Constraint	Description
1	bookname	VARCHAR	50	Not Null	Name of User
2	bookemail	VARCHAR	50	Not Null	E-Mail of User
3	bookphone	VARCHAR	50	Not Null	Phone Number Of User
4	bookplace	VARCHAR	50	Not Null	Place Of Booking
5	bookpricerange	VARCHAR	50	Not Null	Price Range Of The Hotel
6	bookcheckin	DATE	50	Not Null	Check In Date
7	bookcheckout	DATE	50	Not Null	Check Out Date
8	bookguests	INT	50	Not Null	Guests Count
9	bookroomtype	VARCHAR	50	Not Null	Hotel Room Type

Responsive Web:

Our website is going to be responsive. That means our website will change its design as per the user device. That means if user is using desktop or laptop then the website will adjust the height and width of the design. And if user is using mobile phone or other vertical display device then it will be adjusted automatically as per the device height and width. This process will detect the height and width of the device screen or display. This process will happen in real life means it can be changed without refreshing the website page.

A responsive website responds to the specific environment of the user. The emergence of responsive web design has made the practice of developing separate, "mobile-friendly" versions of a website obsolete. In addition to a better overall user experience and less maintenance required, responsive websites are search engine-friendly. In recent articles, Google and Bing have tapped responsive web design as their preferred method for building a website that will be visited by any source of mobile traffic; which is any website that exists in today's world. Google has chosen Responsive Web Design for many reasons.

Basically, the easier it is for search engines to read, analyze, and index the content on your website, the more precisely and confidently they can display that website with a high ranking when a consumer searches their engine using a related keyword.



Responsive Web Home:



Responsive Web Navigation:



Responsive Web Contact Form:

Contact Me

Get In Touch.

Message Me

Name

Email

subject

message

Submit

gear icon

Contact Info

Name
Pranay Panchal

Location
Ahmedabad, Gujrat, INDIA

Call
+8758915505

Email
pranay.ali118@gmail.com

INDIA

THU, 14 JUN | 16:20

Taj Mahal

27.167833, 78.050293

34°C

Average

13.77\$

Ticket

35,000

Daily Visitors

Responsive Web Interface:

A PEN BY DEV PATEL DESIGN BY PRANAY PANCHAL

Conclusion:

- Destination Explorer is a concept of the visitable places and cities all over the world. This project is used to make searching of places and get the details of places faster and better. The design of our project is very simple and user friendly. And user can also see the 3D model of any of the famous places all over the world. It can be more useful who wants to travel the world and it can be also used for educational purposes because our project provides information about all of the places

Future Works:

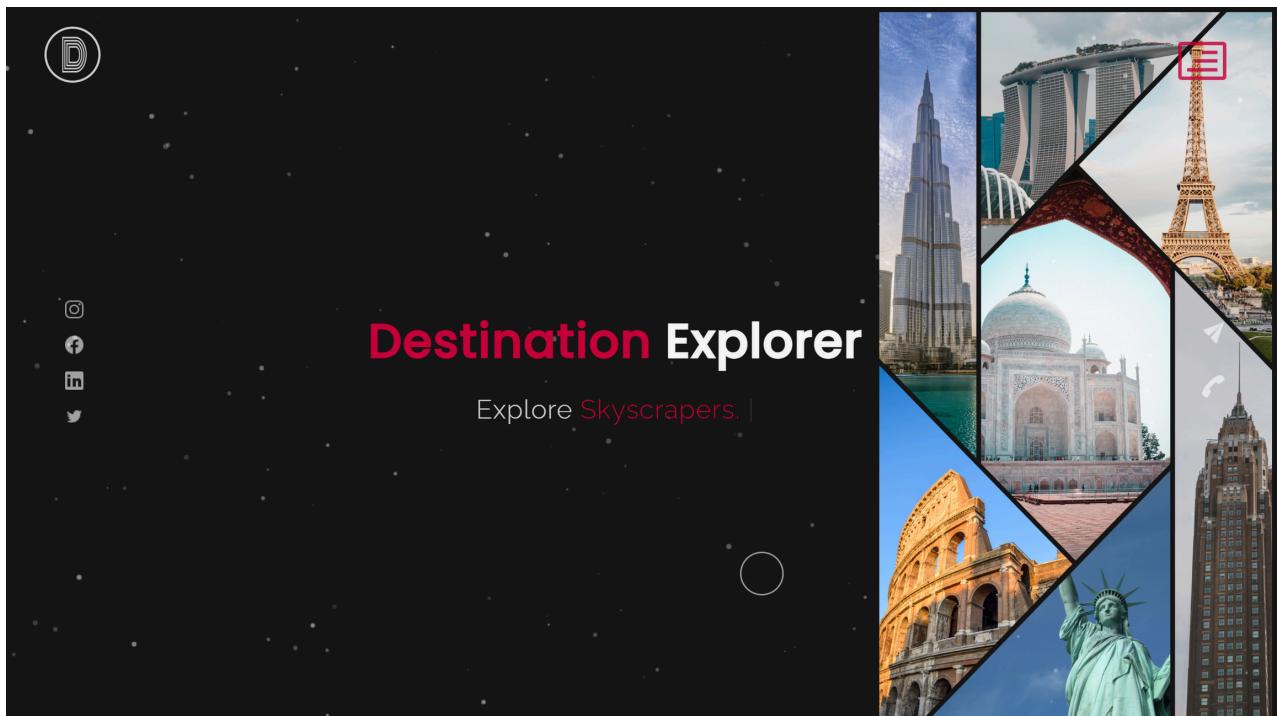
- To implements the places all over the world is more complex to in up-coming updated we will add more and more places. And we will also change design of the website in periodically time. We are hoping to reach more and more people in short time. Also if we can make website user friendly the we can update that in future updates.

References:

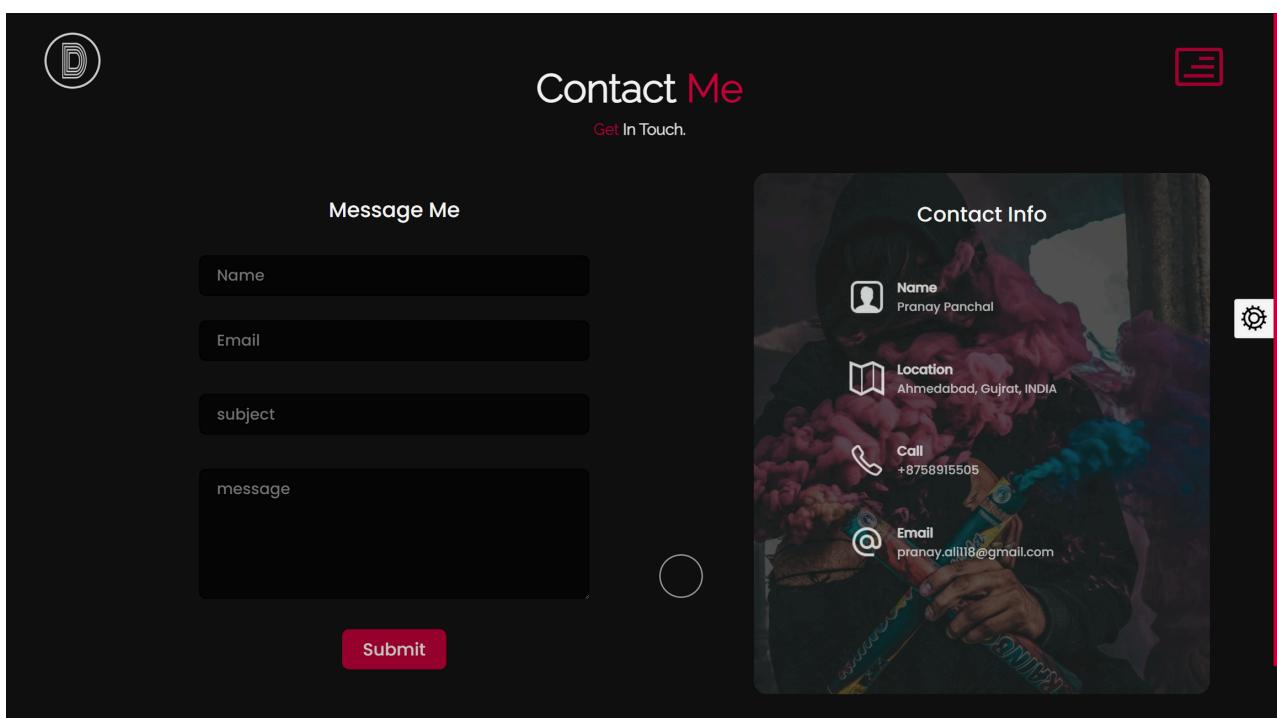
- codepen.io
- javapoint.com
- youtube.com
- google.com
- github.com
- sketchfab.com

First Impressions:

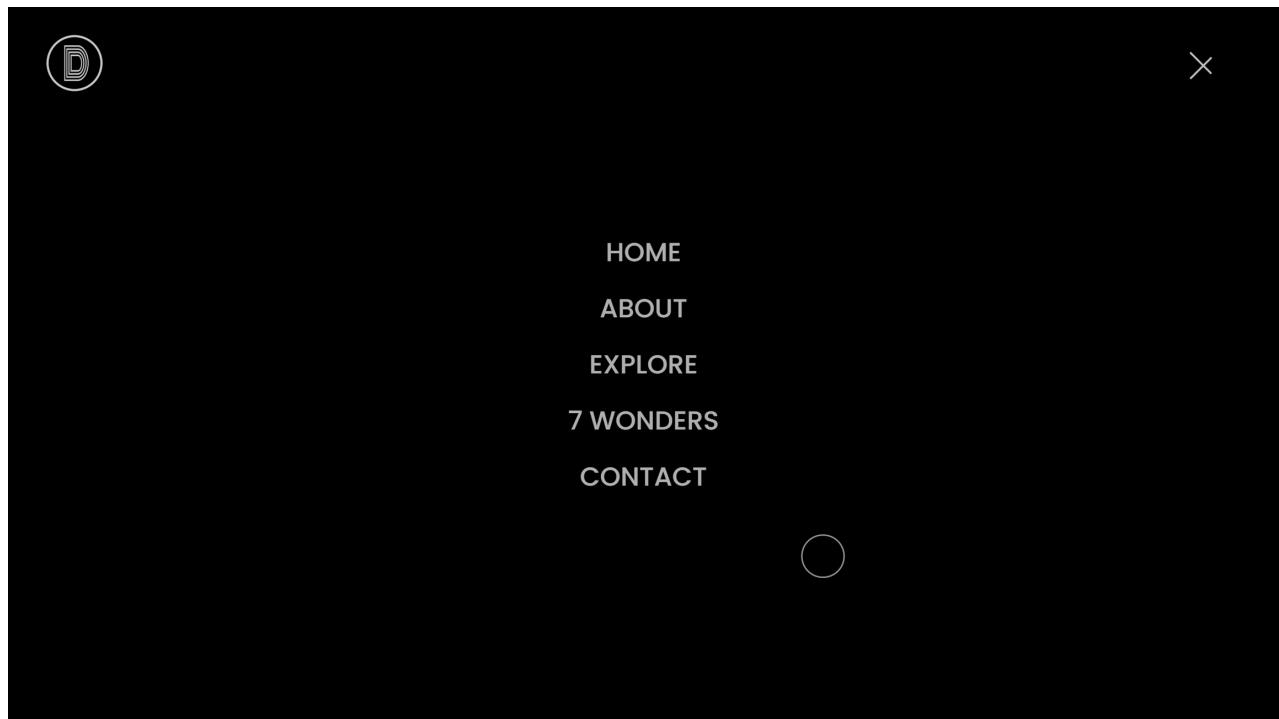
Home Page:



Contact Form:



Navigation Page:



Interface:

The image shows a dark-themed travel interface for India. On the left is a sidebar with three cards: 'Taj Mahal Agra' (with a small image of the building), 'Gateway Of India Mumbai' (with a small image of the arch), and 'Goa The southwestern coast of India' (with a small image of a beach). The main area features a large image of the Taj Mahal. Overlaid on this image are several interactive elements: a teal box in the top left showing '34°C Average', a video player icon in the top right, a blue box in the middle right showing '13.77\$ Ticket', and a purple box in the bottom right showing '35,000 Daily Visitors'. At the bottom of the screen, there is a progress bar and text that reads 'A PEN BY DEV PATEL DESIGN BY PRANAY PANCHAL', 'VIEW SOURCE', and 'READ MORE'.

Booking Form:

Book A Hotel Now!

Name:

Email:

Phone Number:

Place:

Select a Place

Price Range:

Select a Price Range

Check-in Date:

 mm / dd / yyyyCALENDAR

Check-out Date:

 mm / dd / yyyyCALENDAR

Number of Guests:

Room Type:

Select a Room Type

Book Now



DESTINATION EXPLORER
2024