

CS-207

Project ReportTravel

Information and Database Management System

Team Members:

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➤ Project Description:

A travel management database system is a comprehensive software solution designed to streamline and automate various aspects of travel planning, booking, expense management, and reporting within an organization or for travel agencies. This system serves as a centralized repository of travel-related information, providing users with tools to efficiently manage and monitor travel activities, expenses, itineraries, and compliance with corporate policies.

The Travel Management System (TMS) is a web-based application designed to facilitate efficient travel planning, booking, and management for both individual users and corporate entities. It offers a user-friendly interface that integrates various functionalities to provide a seamless travel experience.

➤ Tech Stack

- **Frontend:**
 - Bootstrap
 - HTML
 - CSS
 - Javascript
- **Backend:**
 - Django
- **Database:**
 - SQLite (Default Django Database)

➤ Frontend:

We used various components from Bootstrap to increase the ease of using the website. Javascript codes are also written. It was mainly used to update data and load it from backend without actually the page reloading. Structure is designed by HTML and styles are added using CSS.

➤ **Backend:**

Django has the Model View Template Architecture. The user authentication system of Django is also solid, to manage usernames and passwords. We have Created a virtual environment and Django project in which we have created Django apps and connected the front-end. We have used Razorpay by which our user will be able to pay the money required for their selected journey.

➤ **Features for the user:**

The primary purpose of a travel management database system is to:

- **Facilitate Booking:** Enable users to efficiently book, accommodations, transportation, and other travel-related services.
- **Search and Booking:** Advanced search filters for flights, hotels, rental cars, etc., based on price, location, dates, amenities, etc. Real-time availability and pricing information.
- **Customer Support and Assistance:** 24/7 customer support through live chat, or helplines.
- **Travel Guides and Information:** Comprehensive destination guides with information about attractions, local culture, safety tips, etc.
- **User Authentication:** Secure user registration and login. User profiles with personal information, travel preferences, and saved preferences for faster bookings.
- **Flexible Payment Options:** Choose from a variety of payment options to make travel more affordable and accessible.
- **Fully Customizable:** Choose from a variety of pre-made packages that suit your unique travel preferences and budget.

➤ Welcome Page:

TravelX[Home](#)[Destinations](#)[Packages](#)[About Us](#)[Contact](#)[Sign In](#)

Discover & Book

Perfect Tour Package for Your Holidays

From City

To City

Date

Duration

City?

Where are you going?

dd-mm-yyyy

Search

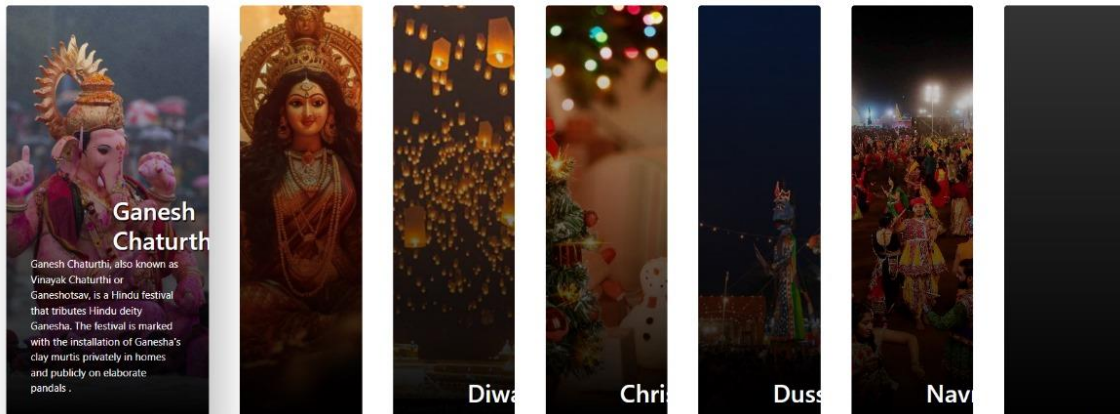
Popular Destinations

Goa

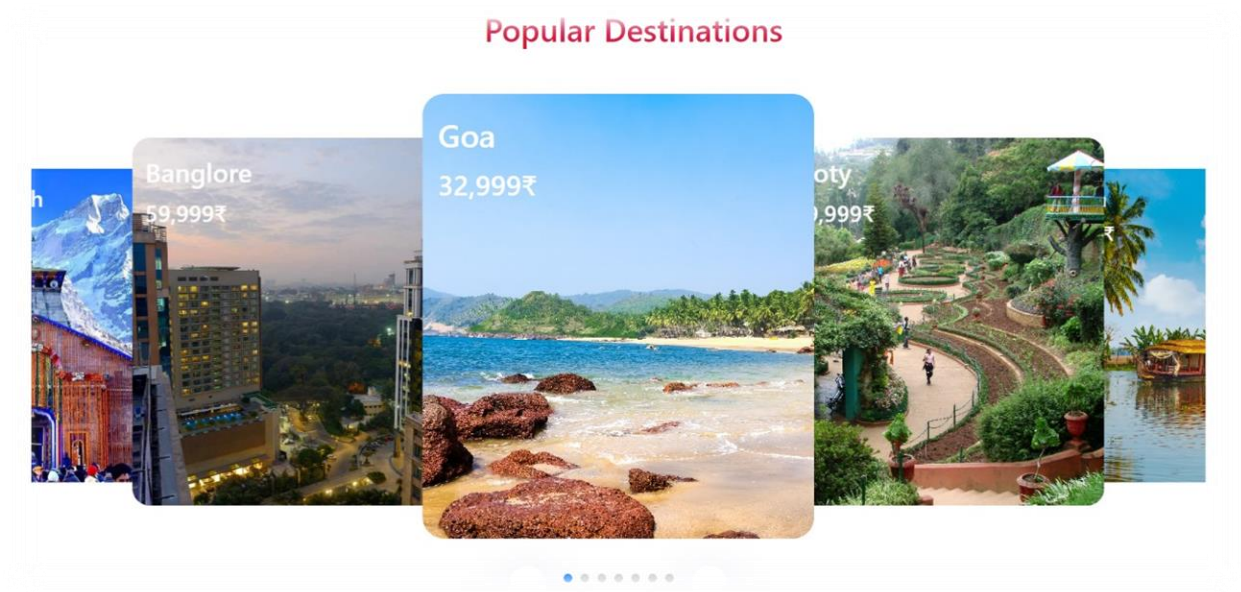
Goa

Kerala

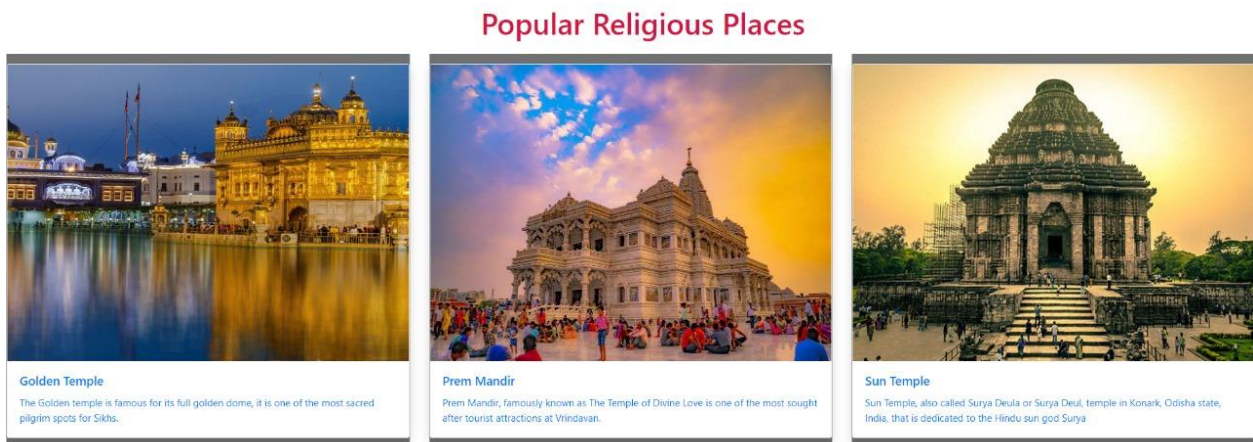
Latest Events & Festivals



➤ Popular Destinations :



➤ Religious places:



➤ Sign Up Page:

New here?
Start Your Journey Here

[SIGN UP](#)

Sign In

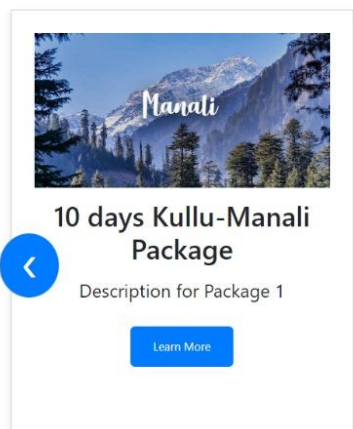
[LOGIN](#)

Or Sign in with social platforms

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➤ Holiday Package Cards :

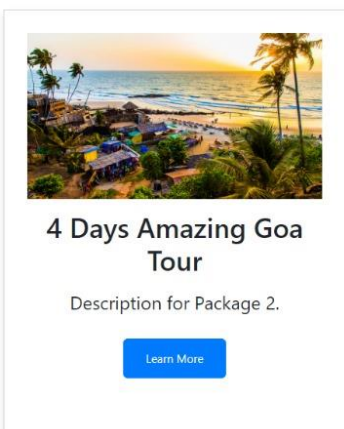
Most Popular Packages



10 days Kullu-Manali Package

Description for Package 1

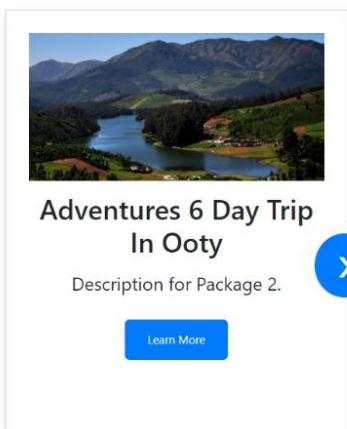
[Learn More](#)



4 Days Amazing Goa Tour

Description for Package 2.

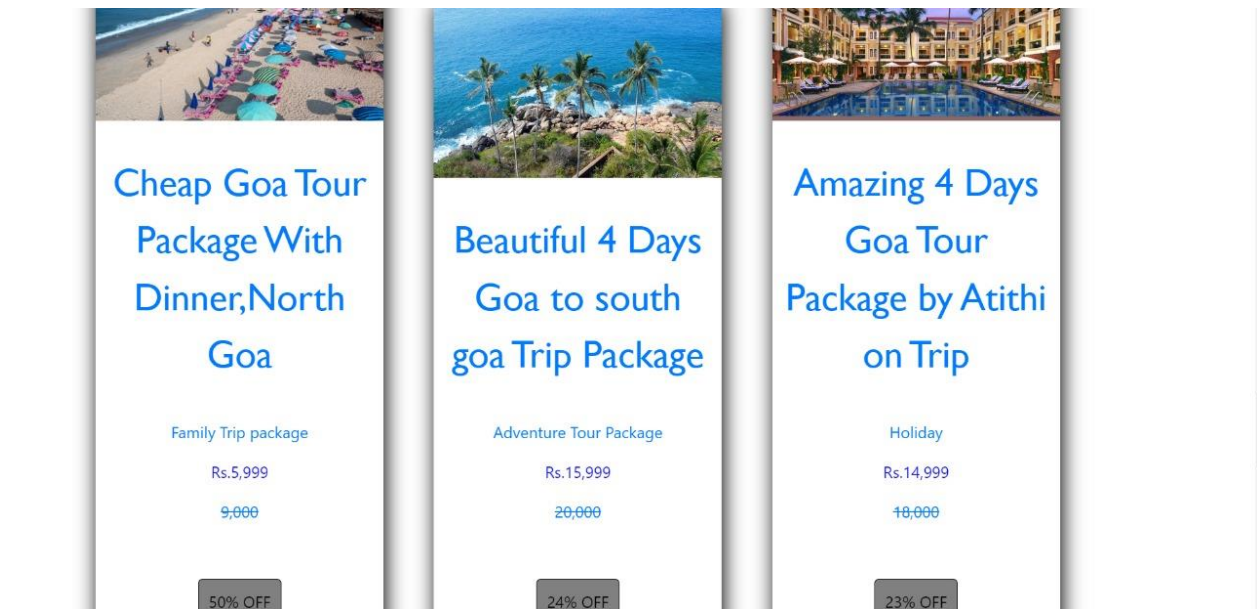
[Learn More](#)



Adventures 6 Day Trip In Ooty

Description for Package 2.

[Learn More](#)



➤ **Payment Details :**

trial

Total Amount

₹ 5,999

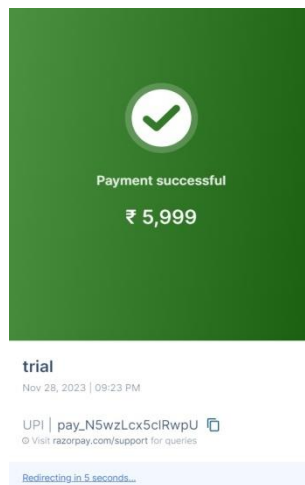
Secured by Razorpay

Contact Details

Phone Number

+91

Proceed



trial

Pay With UPI QR

Scan the QR using any UPI app on your phone.

QR Code is valid for 10:53 minutes

Pay With UPI ID/ Mobile Number

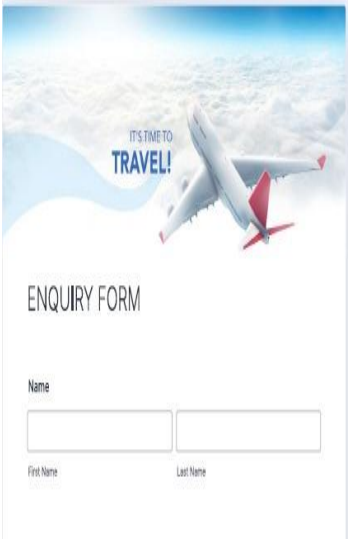
UPI ID/ Mobile Number

₹ 5,999

View Details

Pay Now

➤ Information Form :



ENQUIRY FORM

Name

First Name Last Name

Interested In

☐ Beaches

☐ Hill Stations

Departure Date & Time

Month Day Year Hour Minutes

Return Date & Time

Month Day Year Hour Minutes

Departing From City

Please Select

Destination City

Please Select

Number of People Rooms Required

Please Select Please Select

RESERVATION DETAILS

Contact Person

Title First Name Last Name

Budget(in INR)

ex: 5,00,000

E-mail

ex: myname@example.com

Phone Number

Area Code Phone Number

Address

Street Address

Street Address Line 2

City State / Province

Please Select

Postal / Zip Code Country

➤ Benefits:

- **Efficiency:** Streamlines travel booking, reduces manual effort, and saves time for travelers and administrators.
- **Cost Savings:** Helps in identifying cost-saving opportunities, negotiating better deals with vendors, and enforcing travel policies.
- **Compliance:** Ensures adherence to corporate travel policies and regulatory requirements.
- **Insights and Optimization:** Provides actionable insights for better decision-making and policy optimization.

Conclusion

A travel management database system is a comprehensive solution that optimizes the entire travel lifecycle, from planning and booking to expense management and reporting. By centralizing travel-related data and automating processes, it enhances efficiency, controls costs, ensures compliance, and provides valuable insights to improve the overall travel experience within an organization or for a travel agency.