

D.K.T.E. Society's Textile and Engineering Institute, Ichalkaranji  
(An Autonomous Institute, Affiliated to Shivaji University, Kolhapur)

Accredited with 'A+' Grade by NAAC

Department of Computer Science & Engineering  
(Artificial Intelligence) 2024-2025



**THE MINI PROJECT REPORT ON**  
**TOURS & TOURISM WEBSITE**

**Under the guidance of Prof.R.S.Kamble**

Developed By:

Name	PRN
1. Saptarshi Pujari	22UAI103
2. Pranav Rangate	22UAI104
3. Atharv Rendale	22UAI108
4. Shahid Siddique	22UAI117
5. Omkar Sutar	22UAI119

# Declaration

We the undersigned students of T.Y. C.S.E.(AI) declare that the mini project report entitled "TOURS AND TOURISM WEBSITE" written and submitted under the guidance of Prof.R.S.Kamble is our original work. The empirical findings in this report are based on the data collected by us. The matter assimilated in this report is not reproduction from any readymade report

Date:

Place: Ichalkaranji

Name	PRN
1. Saptarshi Pujari	22UAI103
2. Pranav Rangate	22UAI104
3. Atharv Rendale	22UAI108
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## CERTIFICATE

This is to certify that,

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5. Omkar Sutar	22UAI119

Have successfully completed the project work, entitled

TOURS & TOURISM WEBSITE

In partial fulfilment for the award of degree of Bachelor of Technology in  
Computer Science and Engineering (Artificial Intelligence). This is record of  
their work carried out during  
academic year 2024-25.

Prof.R.S.Kamble

[Project Guide]

Prof.Dr. S.K.Shirgave

[HOD]

Prof.Dr.Mrs.L.S.Admuthe

[Director]

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# 1.Abstract:

Tourism is a dynamic and rapidly growing industry that plays a crucial role in economic development and cultural exchange across the globe. In the digital age, the travel sector has seen a significant shift towards online platforms, with more people preferring to explore, plan, and book their trips through e-commerce solutions. Our website aims to provide a comprehensive and user-friendly platform for tourists to explore various destinations, plan trips, and book services with ease. By leveraging modern technologies, this website not only simplifies the process for travelers but also supports local tour operators and service providers. Our goal is to create an ecosystem that bridges the gap between travelers and the diverse tourism services available, enhancing the overall experience while promoting sustainable tourism. From comparing prices to discovering hidden gems, our platform empowers users to make informed decisions, ensuring memorable and cost-effective trips. This website is designed to cater to both seasoned travelers and those new to tourism, with a focus on convenience, transparency, and enriching travel experiences.

## 2.Problem statement:

To develop the Tours and Tourism Website.

### **3.Problem Description:**

The tourism industry is a major contributor to the global economy, but it faces several challenges in connecting travelers with local service providers efficiently. Many travelers encounter difficulties in finding reliable information, comparing services, and booking accommodations or tours in lesser-known destinations. This lack of accessibility and transparency often leads to unplanned expenses, dissatisfaction, and missed opportunities for both tourists and local businesses. Additionally, small-scale tour operators and service providers struggle to reach a broader audience due to limited digital presence and marketing capabilities. A comprehensive, user-friendly tourism platform is needed to bridge these gaps, offering tourists an easy way to discover, plan, and book their trips while helping local providers promote their services more effectively. By addressing these issues, such a platform can enhance the travel experience and support the growth of tourism in underserved areas.

## 4.Introduction:

Tourism has long been a key pillar of global economies, fostering cultural exchange, economic development, and international relationships. However, in today's fast-paced digital world, travelers often face challenges in accessing reliable information, planning itineraries, and booking services. Traditional tourism models sometimes leave tourists overwhelmed with choices, unsure of where to go, or how to experience the local culture authentically. Meanwhile, local tour operators, especially in smaller or remote areas, struggle to reach potential travelers due to limited online visibility and marketing resources.

With the rise of e-commerce and digital platforms, technology is transforming how people travel and engage with tourism services. Our tourism website aims to bridge the gap between tourists and local service providers by offering a simple, intuitive platform that caters to both seasoned travelers and newcomers. Through this platform, users can easily explore diverse destinations, compare services, and make bookings—all in one place. Whether planning a weekend getaway or a long vacation, this user-friendly, responsive platform works seamlessly across all devices, allowing travelers to organize their trips on the go.

The primary goal of this website is to enhance the travel experience for tourists while empowering local businesses to thrive in a competitive digital environment. By connecting tourists directly to local operators, the platform promotes transparency, convenience, and cost-effectiveness. It also supports sustainable tourism, ensuring that the profits from tourism benefit the local communities and cultures that make each destination unique. Our mission is to use technology to create an enriching, hassle-free tourism experience while supporting the growth of the global tourism industry.



# 5.Implementation Process:

The development of the tourism website follows a structured approach to ensure the platform is user-friendly, efficient, and scalable. The goal is to create a seamless experience for travelers while providing local tourism service providers with the tools they need to market their services effectively. The implementation process can be broken down into the following key stages:

1. **Requirement Analysis** The first step in the process is gathering detailed requirements from both users and local service providers. Surveys and interviews were conducted with tourists to understand their pain points, preferences, and desired features in a tourism platform. Similarly, discussions were held with local tour operators, hoteliers, and transportation providers to identify the challenges they face in reaching potential customers. Based on this data, a clear set of functional and non-functional requirements were defined for the platform.
2. **Platform Design and Architecture** The next step is to design the platform's architecture. The website is developed as a multi-vendor platform where both tourists and service providers can interact. The user interface (UI) is designed with simplicity and ease of navigation in mind, ensuring tourists can quickly find the information they need. The platform is also designed to be responsive, allowing it to function smoothly on various devices including desktops, tablets, and smartphones.

On the backend, the platform is built using modern web technologies to ensure scalability and security. A robust database architecture is implemented to store data on tourist preferences, service provider offerings, and booking details. This ensures quick access and retrieval of information.

3. **Development** The development phase involves creating the website's core features. This includes:
  - **Search and Explore Functionality:** Enabling users to search for destinations, compare options, and read reviews.
  - **Booking System:** Integrating a secure and user-friendly booking system that allows tourists to make reservations for hotels, tours, and transport.

- **Vendor Dashboard:** Developing a dashboard for local service providers to manage their listings, track bookings, and update their offerings in real-time.
  - **Payment Gateway:** Integrating a reliable payment gateway that supports multiple payment methods, providing secure transactions for both users and vendors.
4. **Testing** After development, rigorous testing is conducted to ensure the platform functions smoothly. Various tests such as functionality testing, usability testing, and performance testing are carried out to identify and resolve any bugs or issues. The platform is tested across different devices and browsers to ensure compatibility and responsiveness.
  5. **Launch and Marketing** Once the platform is fully tested and optimized, it is launched to the public. A marketing strategy is implemented to promote the platform to both tourists and service providers. Social media campaigns, search engine optimization (SEO), and partnerships with travel agencies are key strategies used to build an initial user base and drive traffic to the website.
  6. **Maintenance and Continuous Improvement** Post-launch, the platform will be continually monitored for performance. Regular updates and enhancements will be made based on user feedback and market trends. New features may be added, such as personalized recommendations for travelers or dynamic pricing options for service providers. The platform's security measures will also be regularly updated to ensure the safety of user data and transactions.

By following this implementation process, the tourism website aims to provide a streamlined and enjoyable experience for travelers while enabling local businesses to expand their reach and increase their profitability in the digital marketplace.

# 6.Requirement Analysis:

## A]Functional Requirements:

### 1. User Registration and Profile Management:

- Tourists and service providers must be able to create accounts.
- Users should be able to update their profile information (contact details, preferences).
- Password recovery and account management features.

### 2. Destination and Service Search:

- Tourists should be able to search for destinations, tours, accommodations, and transportation.
- Advanced filtering options (e.g., location, price, type of service, ratings).
- Sorting options (e.g., by popularity, price, reviews).

### 3. Booking System:

- Tourists can book hotels, tours, or transportation services.
- Real-time availability check for accommodations and tours.
- Option to view booking history and manage reservations (cancel, modify, or check status).

### 4. Vendor Dashboard:

- Local service providers (hoteliers, tour operators, transport services) can manage their listings.
- Ability to update availability, pricing, and package details.
- View and manage booking requests from tourists.

### 5. Payment Gateway:

- Secure online payment options with support for multiple payment methods (credit cards, digital wallets, etc.).
- Invoicing and payment confirmation for both tourists and vendors.
- Support for multi-currency transactions, depending on the destination.

## **6. Review and Rating System:**

- Tourists can leave reviews and rate services after their experience.
- Service providers can view feedback and respond to customer reviews.
- Ratings are displayed alongside listings to help future travelers make informed decisions.

## **B]Non-Functional Requirements:**

### **1.Performance:**

- The platform should handle a large number of simultaneous users without performance degradation.
- Fast loading times for destination search and booking processes, even during peak usage.

### **2.Reliability:**

- The platform must ensure a high level of uptime (99.9%) to support travelers and service providers around the clock.
- Automatic data backups to prevent data loss.

### **3.Scalability:**

- The system should be able to scale with increasing numbers of users, vendors, and transactions.
- Ability to add new features or expand into new markets without significant redesign.

# 7.System Requirements:

System requirements are the required specifications a device must have in order to use certain [hardware](#) or [software](#).

## Software Requirements:

Windows:10 or newer

Software Application: web development, machine learning

## Hardware Requirements:

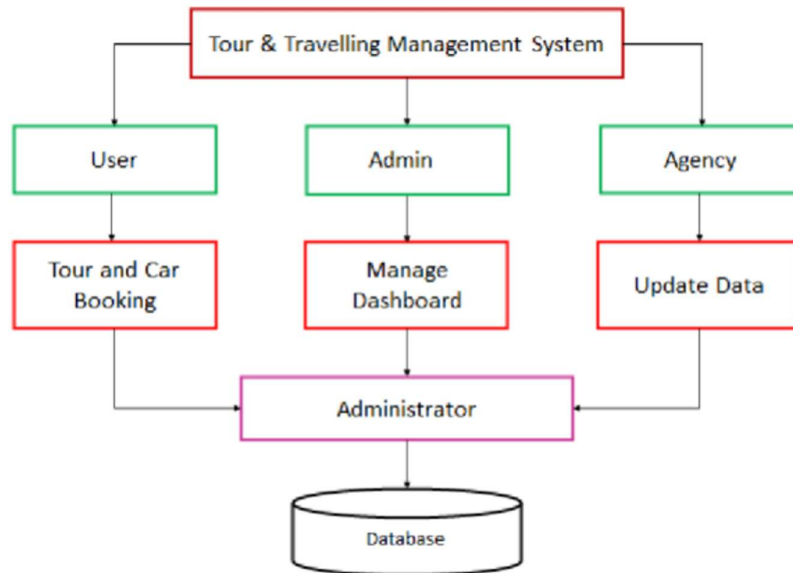
Processor: Minimum 1 GHz; Recommended 2GHz or more

Hard Drive: Minimum 32 GB; Recommended 64 GB or more

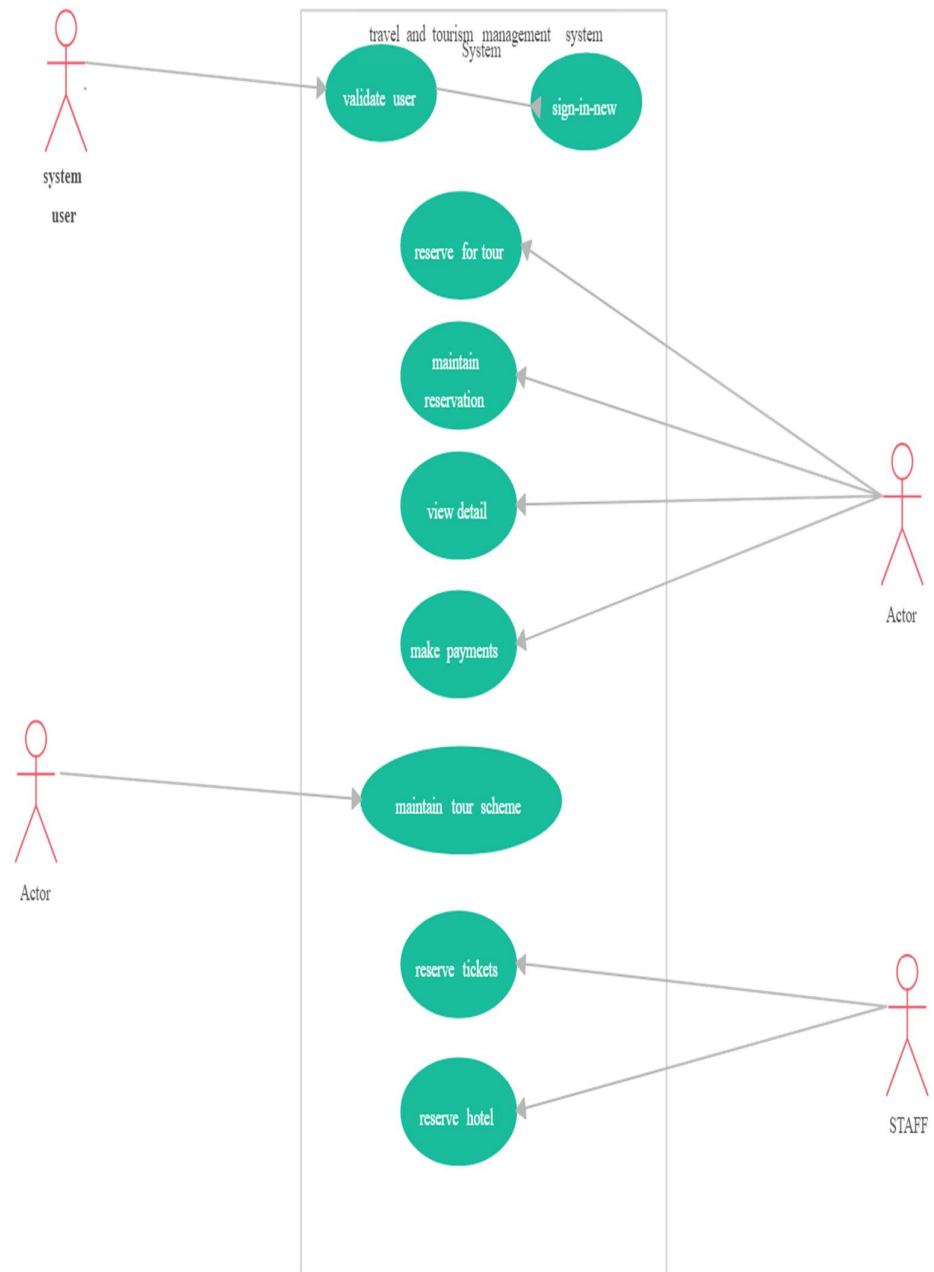
Memory (RAM): Minimum 1 GB; Recommended 4 GB or above

# 8.System Design:

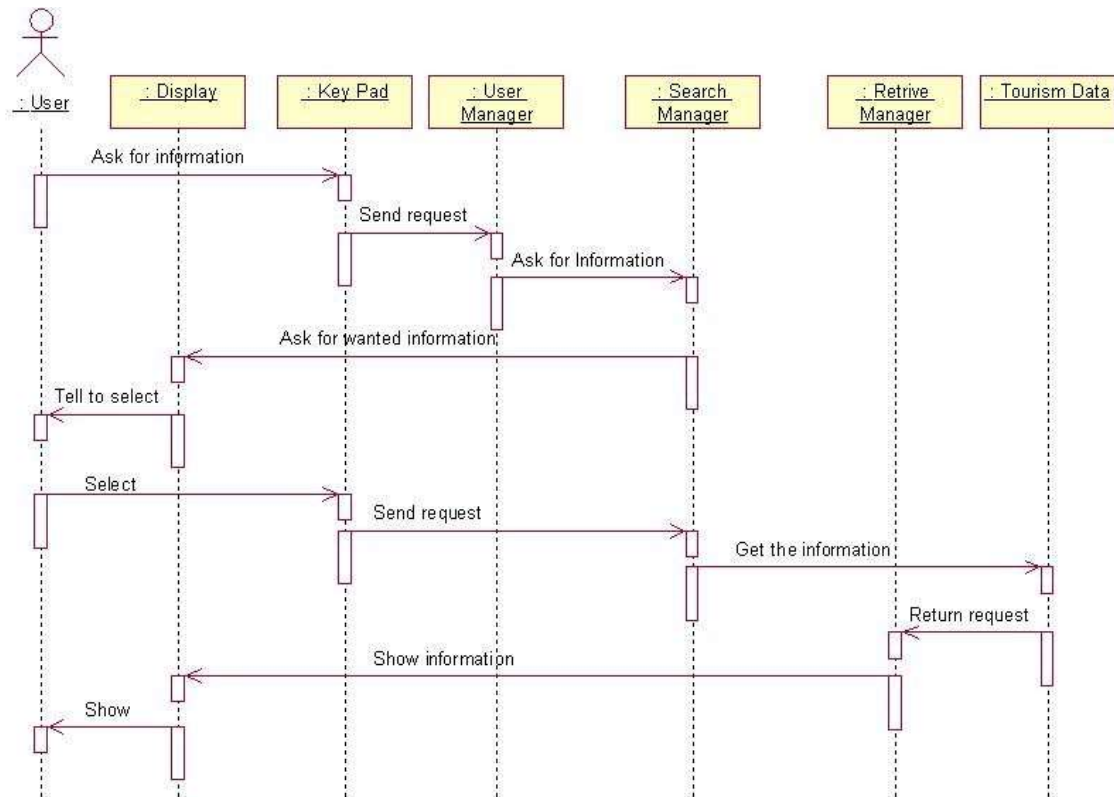
A]System Architecture Diagram:



## B]Use case Diagram:



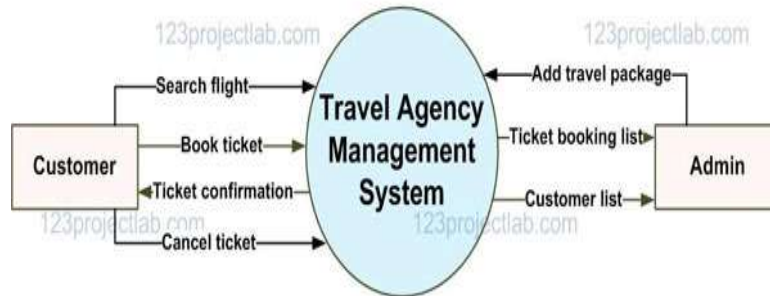
## B)Sequence Diagram:





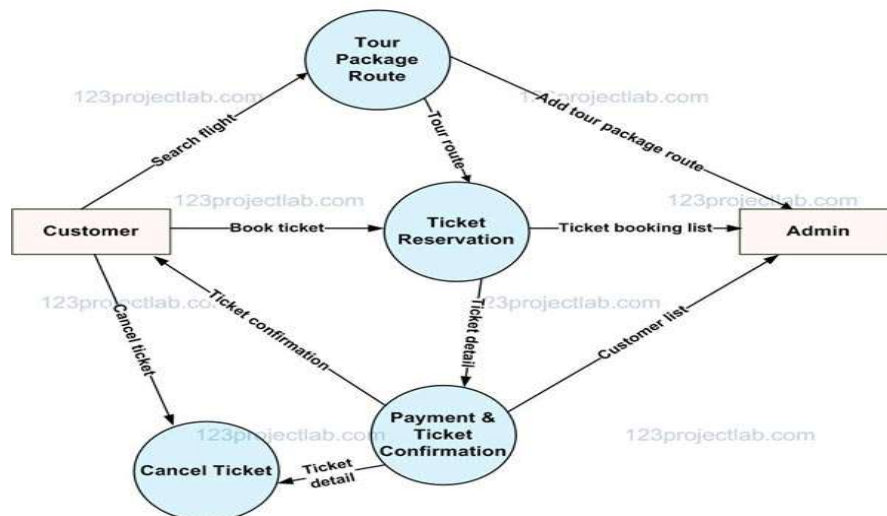
## D] DFD Diagram:

### Level 0:



Context Level DFD for Travel Agency Management System

### Level 1:



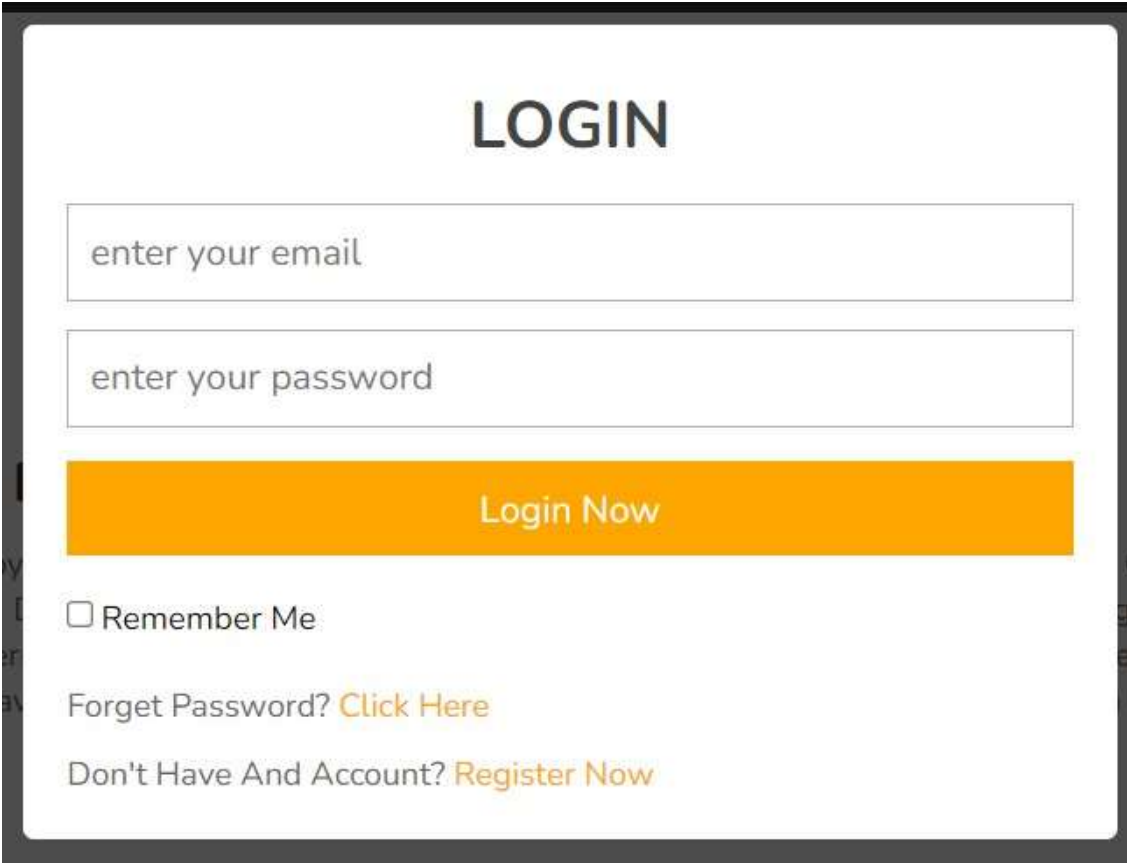
Level-1 DFD for Travel Agency Management System

## 9. Testing Table:

Test ID	Test Scenario	Test Case Description	Expected Outcome
TS001	User Registration	Verify that a user can successfully register an account.	User account is created, and a confirmation email is sent.
TS002	User Login	Verify that a registered user can log in.	User is redirected to the dashboard after successful login.
TS003	Password Recovery	Verify that users can recover their passwords.	User receives an email with a password reset link.
TS004	Search Functionality	Verify that tourists can search for destinations.	Relevant destinations are displayed based on search criteria.
TS005	Booking Process	Verify that a tourist can successfully book a service.	Booking confirmation is displayed and an email is sent.
TS006	Service Provider Management	Verify that a service provider can add a new service.	New service is added to the system and visible to users.
TS007	Review and Rating System	Verify that users can leave reviews and ratings.	Review is submitted and displayed under the relevant service.

# 10.Snapshots

## 1.Login Page:

A screenshot of a login page. The page has a white background with a dark gray border. At the top, the word "LOGIN" is centered in a bold, dark gray font. Below it are two input fields: the first is labeled "enter your email" and the second is labeled "enter your password". Both fields have a light gray border. Below the password field is a large orange button with the text "Login Now" in white. Under the button, there is a checkbox labeled "Remember Me". At the bottom, there are two links: "Forget Password? Click Here" and "Don't Have And Account? Register Now", both in orange text.

**LOGIN**

enter your email

enter your password

**Login Now**


☐ Remember Me

Forget Password? [Click Here](#)

Don't Have And Account? [Register Now](#)

2.Contact Details:

CONTACT



name

email

number

subject

message

Send Message


↑

↻

↓

3.Packages:

PACKAGES




Paris

The City Of Light, Famed For The Eiffel Tower, Art, And Romance. Enjoy Charming Streets And Exquisite Cuisine.

★★★★☆

₹90,000 ~~₹1,30,000~~

Book Now




Mumbai

A Vibrant Metropolis Known For Its Bustling Streets, Iconic Skyline, And Bollywood. Discover Rich Culture, Historic Landmarks, And Delicious Street Food.

★★★★☆

₹25,000 ~~₹35,000~~

Book Now



Hawaii

A Tropical Paradise With Stunning Beaches, Lush Landscapes, And Rich Culture. Enjoy Surfing, Volcanoes, And Vibrant Hawaiian Traditions.

★★★★☆

₹1,00,000 ~~₹1,50,000~~

Book Now

↑


8

↓

21


4.Services:

SERVICES




**Affordable Hotels**

Discover Budget-Friendly Hotels Offering Comfort And Quality At Great Prices. Enjoy Essential Amenities And Convenient Locations. Book Your Stay!




**Food And Drinks**

Enjoy A Variety Of Delicious Food And Drinks. From Local Dishes To International Favorites, Savor Vibrant Flavors And Refreshing Beverages!




**Safety Guide**

Stay Safe While Traveling With Our Essential Safety Tips. From Emergency Contacts To Local Laws, Be Informed And Prepared. Enjoy Your Journey With Peace Of Mind!




**Around The World**

Explore Breathtaking Destinations Across The Globe. Discover Diverse Cultures, Stunning Landscapes, And Unforgettable Experiences. Your Adventure Awaits!



**Fastest Travel**

Experience The Thrill Of The Quickest Travel Options Available. From High-Speed Trains To Direct Flights, Get To Your Destination In No Time And Maximize Your Adventures!



**Adventures**

Embark On Thrilling Adventures That Spark Exploration. From Outdoor Activities To Unique Experiences, Create Unforgettable Memories!

↑

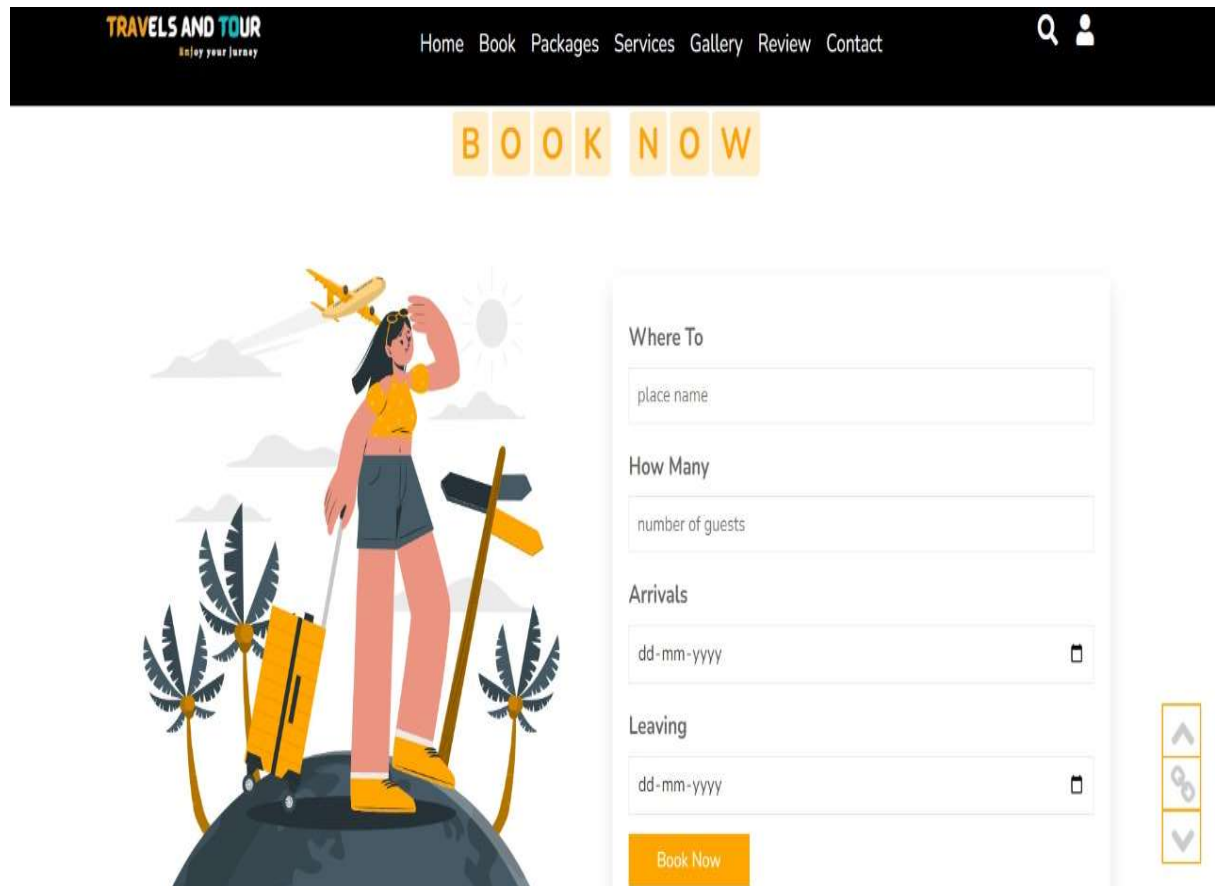
↻

↓

5.Gallery:



## 6.Book Now:






7.Reviews:

Not Booked.  
Nothing Was


REVIEW



Amey Shinde

"I Had An Incredible Time On This Tour. Great Value For Money, And The Staff Was Incredibly Helpful."


★★★★☆



Omkar Sutar

"This Tour Exceeded My Expectations! The Guides Were Professional, And Every Destination Was Breathtaking."

★★★★☆



Yash Rithe

"A Memorable Experience With Amazing Service. Highly Recommend For Anyone Looking To Explore New Places."

★★★★☆

CONTACT

↑

∞

↓

# 11.Backend :

By using NODEJS , AWS S3 and AMAZON RDS Database.



## User Database:

The screenshot shows a database application interface. At the top, there's a toolbar with icons for file operations, a search icon, and a 'Limit to 1000 rows' dropdown. Below the toolbar, a query editor shows two queries: 'select \* from contacts' and 'select \* from users'. The 'contacts' query is selected. Below the query editor, a 'Result Grid' tab is active, displaying a table with 7 columns: id, name, email, number, subject, and message. The table contains 4 rows of data. To the right of the table, there's a sidebar with icons for 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. At the bottom, there's a status bar showing 'contacts 12 x' and buttons for 'Apply' and 'Revert'.

	id	name	email	number	subject	message
▶	1	Saptarshi Ulhas Pujari	saptarshipujari17@gmail.com	4	test	xxxxxxxxxxxxxxxxxxxx
	2	xyz	xyz@xyz	1	goa	panji and all goa price
	3	shahid	shahid@shahid	4	testing	thailand
	4	harsh	harsh@gmail	4	booking	thailand
*	NULL	NULL	NULL	NULL	NULL	NULL

## Contacts Dtabase:

The screenshot shows a database application interface. At the top, there's a toolbar with icons for file operations, a search icon, and a 'Limit to 1000 rows' dropdown. Below the toolbar, a query editor shows two queries: 'select \* from contacts' and 'select \* from users'. The 'users' query is selected. Below the query editor, a 'Result Grid' tab is active, displaying a table with 5 columns: id, username, email, password, and created\_at. The table contains 11 rows of data. To the right of the table, there's a sidebar with icons for 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. At the bottom, there's a status bar showing 'users 11 x' and buttons for 'Apply' and 'Revert'.

	id	username	email	password	created_at
	1		pranavrangate@gmail.com	\$2b\$10\$rIQCrddjGH6mSpk09qhySOHRp4cFZTJT...	2024-10-13 14:28:54
	3	vb	v@ee	\$2b\$10\$f0EaVks33zD2E96deAN.de5bDzH2hDI...	2024-10-13 18:17:49
	4	yash	yash@gmail.com	\$2b\$10\$16yLACXABuMhwd4tIq4OUefA3bgwvj8H...	2024-10-13 18:18:43
	6	saptarshi	saptarshipujari17@gmail.com	\$2b\$10\$DsKd4ud2NkVNItdkEbDIX6eyPLXOjtqYA...	2024-10-13 18:29:07
	7	xyz	xyz@xyz	\$2b\$10\$xmEKSZdt2Uu2gOYgG/FTMuMUnpdTA...	2024-10-14 02:46:07
	8	amey	ameyshinde@g	\$2b\$10\$j70J/PajhKXJ93PM7qwHv.BhulNm2vTlq...	2024-10-14 06:19:42
▶	11	omkar	omkarsutar@gmail.com	\$2b\$10\$2dMsdsZLnnDvCID1QeDquapYbO8M...	2024-10-14 06:25:04
*	NULL	NULL	NULL	NULL	NULL

Structuring Database By:



Hosting Website By:



# 12.Conclusion:

In conclusion, our tourism website aims to enhance the travel experience by connecting tourists with local service providers, ensuring fair pricing and authentic cultural experiences. By leveraging technology, we empower small operators to thrive in the digital marketplace, fostering sustainable tourism practices that benefit both travelers and local communities. Our platform is dedicated to simplifying the booking process and promoting meaningful interactions, ultimately contributing to a vibrant and inclusive tourism industry.

## 13.References:

Website link:

<http://miniproject1dkte.s3-website.ap-south-1.amazonaws.com/>

QR Code:

