



The Mountains Are Calling...

Tour and Travel Management System

Project Members:

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Introduction

Travel Planning Challenges:

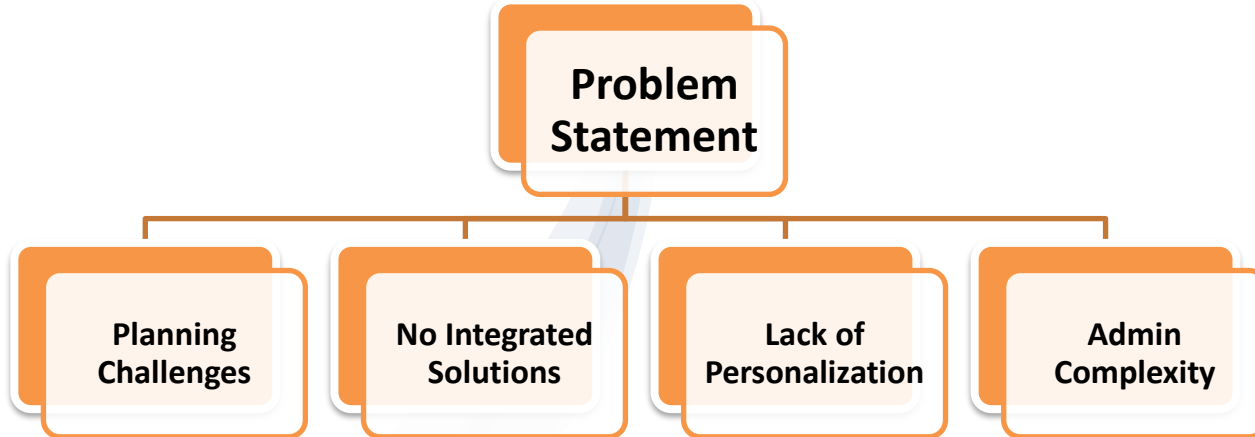
- Travelers often find it difficult to gather reliable information, book accommodations, and manage their itineraries.
- Existing solutions are spread across multiple platforms, leading to a fragmented and complicated user experience.

Need for Integration:

- Current platforms lack integration, making it hard for users to find all necessary services in one place.
- Personalized travel packages are often difficult to find, reducing the overall satisfaction of the trip.

Problem Statement

"Travelers find it difficult to get all the information, book packages that suit their needs, and manage bookings because there's no single system that brings everything together."



Solution

- A centralized platform that simplifies travel planning by offering detailed information on popular tourist destinations in India.
- Users can explore destinations, select travel packages based on their interests, and manage bookings seamlessly.



Literature Survey

Paper Title	Author(s)	Publisher	Date	Modules
Travel and Tourism Management System [1]	Mr. Amal Davies; Mr. A.Ganesan; Dr. V.Kavitha	International Journal of Computer Science and Mobile Computing (IJCSMC)	October 2019	Admin Authentication, User Registration, Package Creation, Package Booking, Booking Confirmation/Manage, Issue Ticket
Travel Management System Using Object Oriented Analysis [2]	Aashi SINGH Bhadouria	Research Gate	October 2022	Web-Based Application, Enhanced Search Facility, Report Generation, Online Services, Package Information, Booking Management

Travel And Tourism Management System [3]	Asit Joshi, Ayush Choudhary, Deepakshi Choudhary, Deependra Singh Parihar	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	November 2022	Automated Booking and Confirmation, Centralized Information, User Feedback Module, Mobile App Integration, Multi-Language Support
Travel Management System [4]	Paramdeep Singh	International Journal of Science and Research (IJSR)	2022	AI-powered Recommendations, Mobile App Integration, Dynamic Pricing, Admin Control, Journey Management, Parcel Management

Travel Planning Management System [5]	Madushan S.H.K, De Alwis Gunathilake W.L.D.C.K, Jayasinghe J.A.S.C, D.V.P Ferdinando, D. I. De Silva, Piyumika Samarasekara	International Journal of Engineering and Management Research (IJEMR)	October 2022	React JS Frontend, Spring Boot Backend, Travel Package Booking, User Preferences, Real-time Updates
Tour & Travel Management System [6]	Urvish k. Patel, Sureshji r. Rajput	academia.edu IJRASET	-	Web-Based Application, Enhanced Search Facility, Online Booking, Package Details, Cancellation Policy, Admin and User Dashboards

Objectives



**CENTRAL HUB FOR
INFORMATION**



**BOOKING
PROCESS**



**USER
MANAGEMENT**



**GUIDE
CONNECTION**

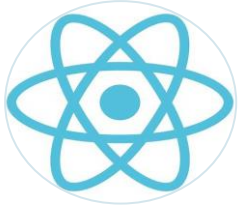


**EASY PACKAGE
SELECTION**

Proposed System

- **Home Page:** Easy access to travel categories and destinations.
- **Admin Panel:** Manage users, packages, and bookings.
- **User Profiles:** Manage profiles and bookings.
- **Customer Interface:** Explore and book packages.
- **Guide Section:** Book local guides.
- **Sign In/Out:** Secure authentication.
- **Categories & Orders:** Browse and book categorized packages.

Technologies



Front-end:
React.js



Back-end:
Spring Boot

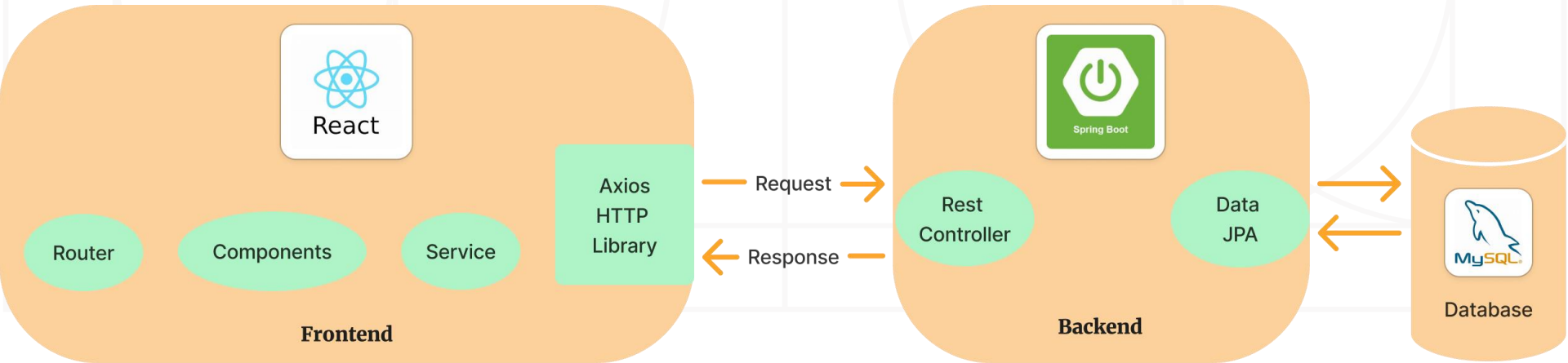


Database:
MySQL



Development
Tools: Eclipse
IDE, Git

Block Diagram





**Client Layer
(User
Interaction)**



**Browser
Interface**



User Inputs



**Response
Rendering**

Application Layer (Processing and Logic)



```
graph TD; A[Application Layer (Processing and Logic)] --> B[Front-End (React.js)]; B --> C[Back-End (Spring Boot)];
```

Front-End (React.js):

Manages user interface

State

Page navigation.

Back-End (Spring Boot):

Handles business logic

Processes requests

Interacts with the database.

Database Layer (Data Storage and Retrieval)

MySQL
Database

User Table

Booking
Table

Guide
Table

Categories
Table



Admin Layer (Management Interface)



Admin Dashboard



User Management



Package Management

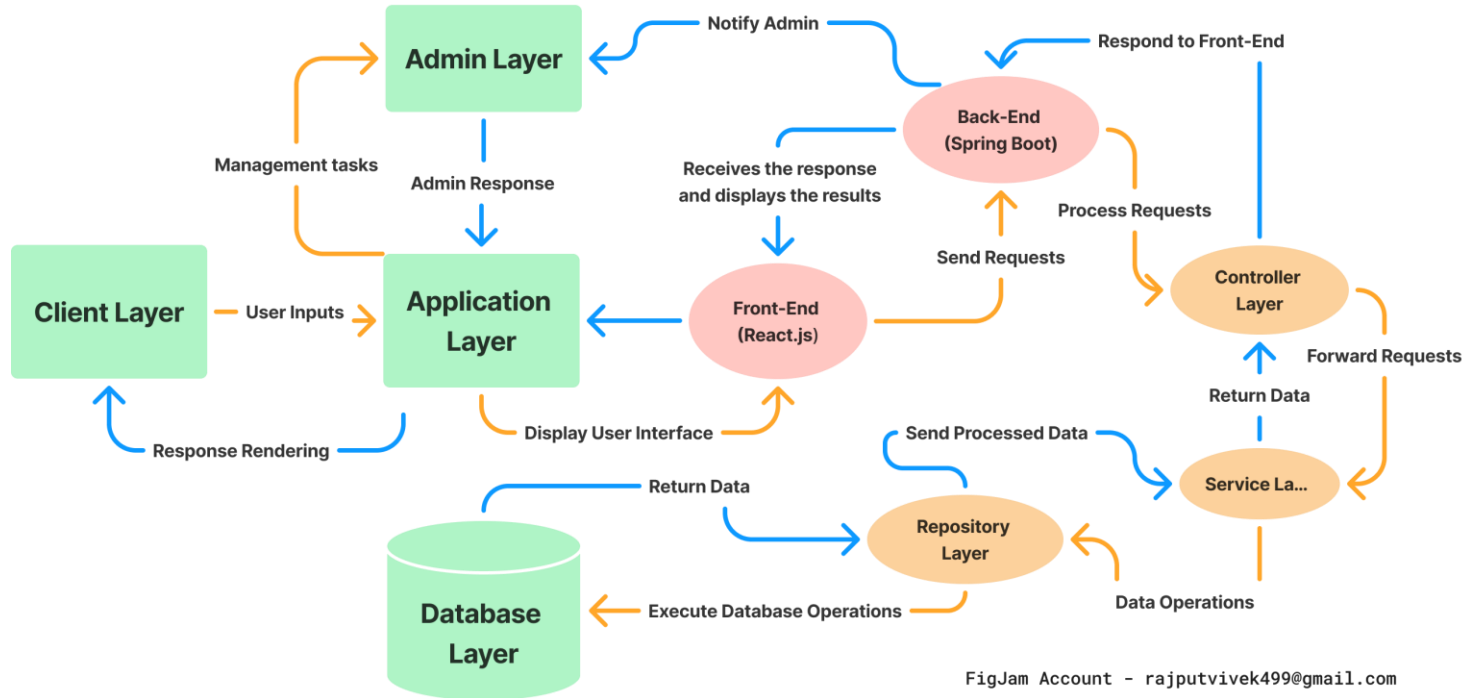


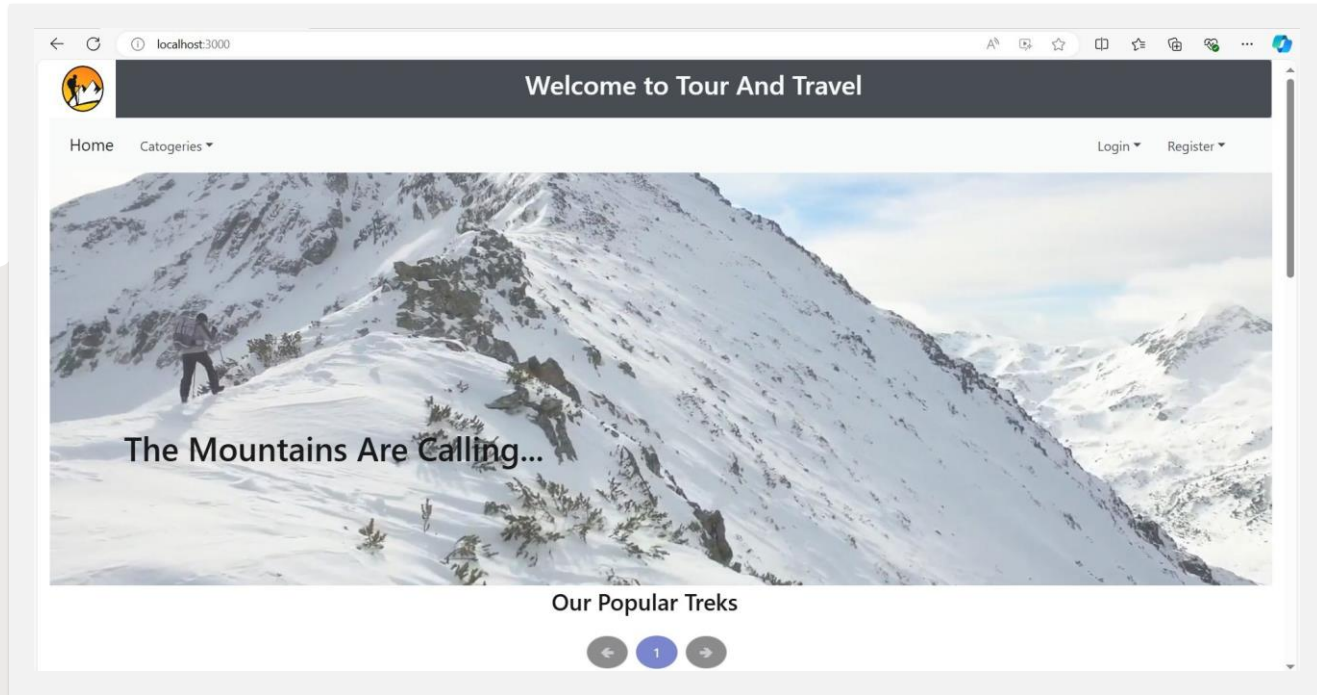
Booking Management



Guide Management

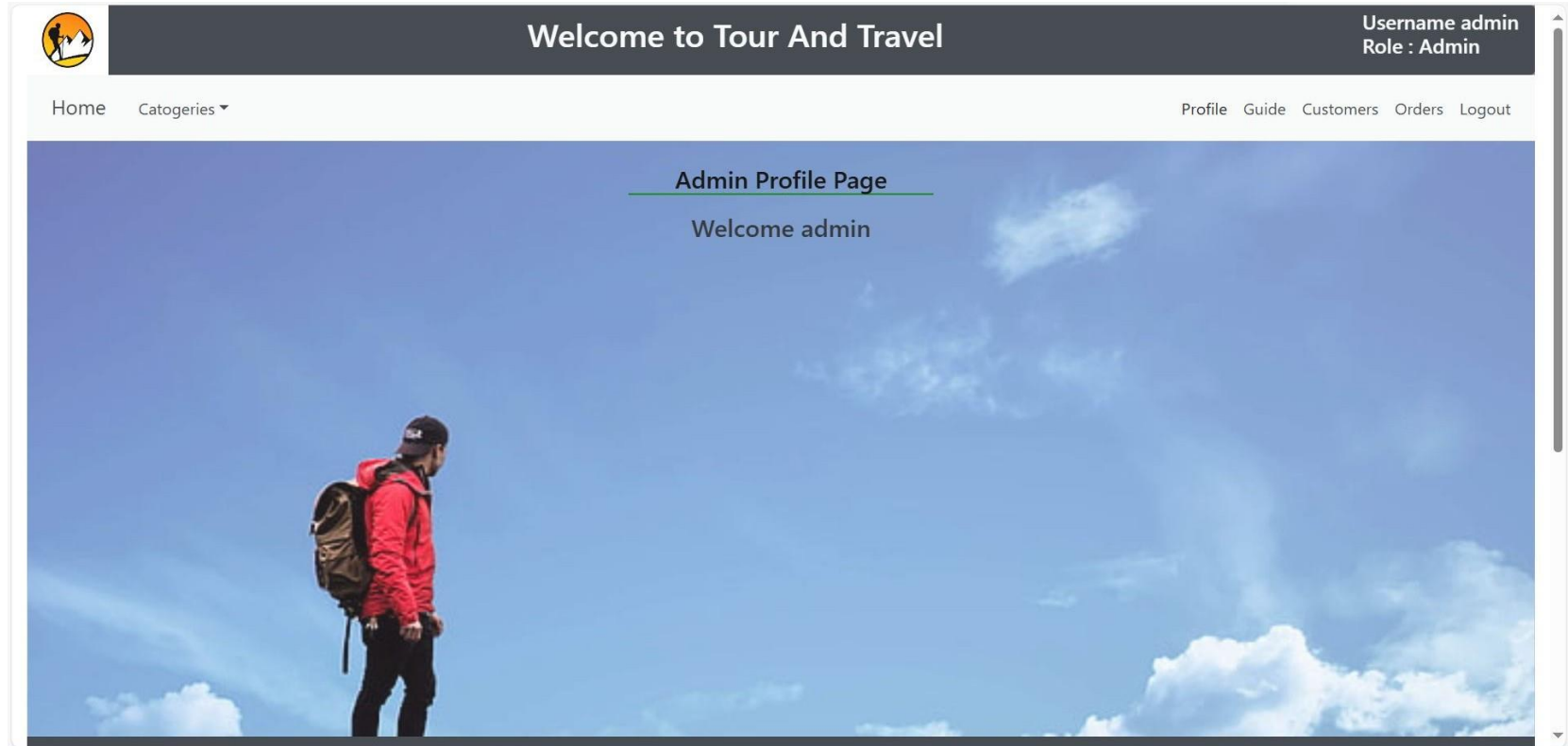
Flow Diagram





Home Page

Admin Page





Welcome to Tour And Travel

Username admin
Role : Admin

[Home](#)[Catogeries ▾](#)[Profile](#) [Guide](#) [Customers](#) [Orders](#) [Logout](#)

All Guide

Id	Name	City	Phone	User Id	Password
1	Akash	Pune	9420314444	akash@gmail.com	\$2a\$10\$0amXjRKjse1/8Sh8kPbfyO/WggNTcsPGRbRN/FPUQT4sK/t.XLqjm



Welcome to Tour And Travel

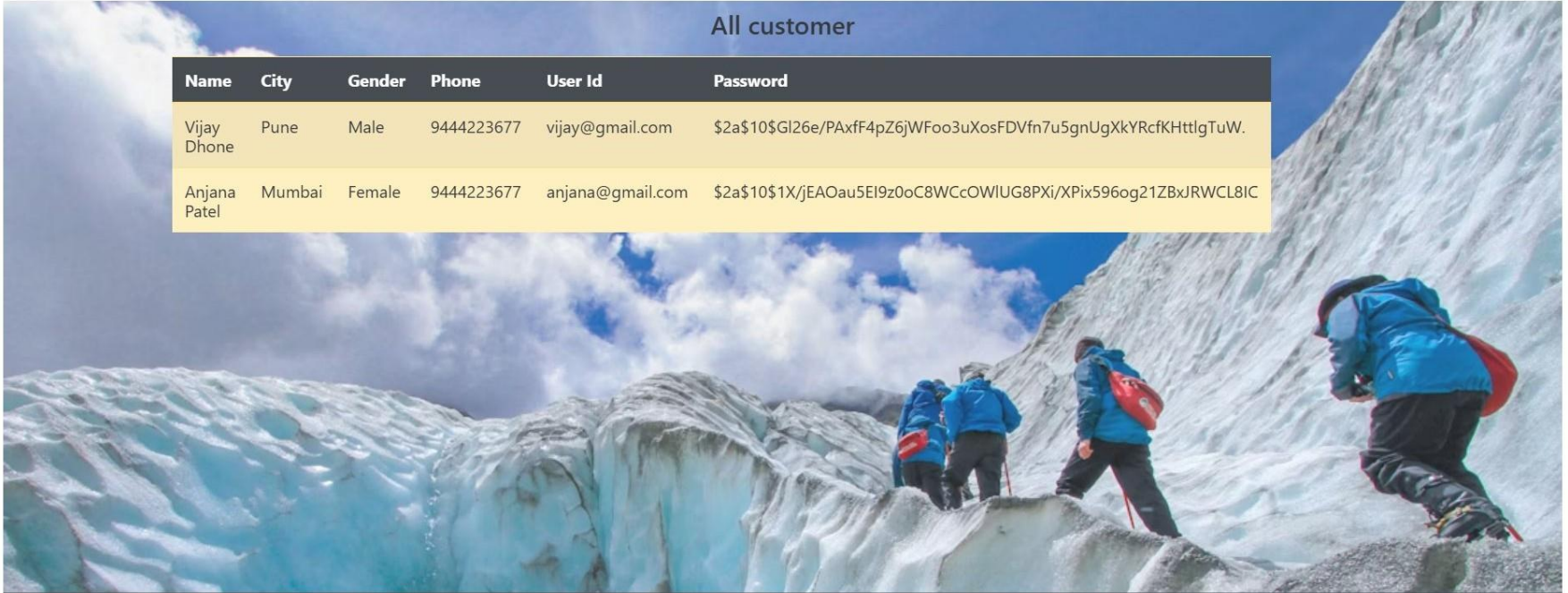
Username admin
Role : Admin

Home Catogeries ▾

[Profile](#) [Guide](#) [Customers](#) [Orders](#) [Logout](#)

All customer

Name	City	Gender	Phone	User Id	Password
Vijay Dhone	Pune	Male	9444223677	vijay@gmail.com	\$2a\$10\$Gl26e/PAXf4pZ6jWFoo3uXosFDVfn7u5gnUgXkYRcfKHttlgTuW.
Anjana Patel	Mumbai	Female	9444223677	anjana@gmail.com	\$2a\$10\$1X/jEAOau5EI9z0oC8WCcOWIUG8PXi/XPix596og21ZBxJRWCL8IC





Welcome to Tour And Travel

Username admin
Role : Admin

Home Catogeries ▾

Profile Guide Customers Orders Logout

Booking Details

Id	Order Date	Amount	Customer	Action
1	Sun, 18-Aug-2024	₹ 100000	Vijay Dhone	Show Details
2	Sun, 18-Aug-2024	₹ 66000	Vijay Dhone	Show Details
3	Wed, 21-Aug-2024	₹ 95000	Anjana Patel	Show Details

HIKERSTOP

Embark on exhilarating adventures with a premier organization that specializes in trekking, mountaineering, and jungle safaris, spanning the breathtaking Sahyadri range and the majestic Himalayas.

USEFUL LINKS

[Home](#)
[category](#)
[Login](#)
[Register](#)

CONTACT

rajputvivek499@gmail.com
hikerstop@gmail.com
+ 91 83 2911 5435
+ 01 234 567 89

Guide Login



Welcome to Tour And Travel

[Home](#)

[Catogeries](#) ▾

[Login](#) ▾

[Register](#) ▾

Guide Login

Email Id

akash@gmail.com

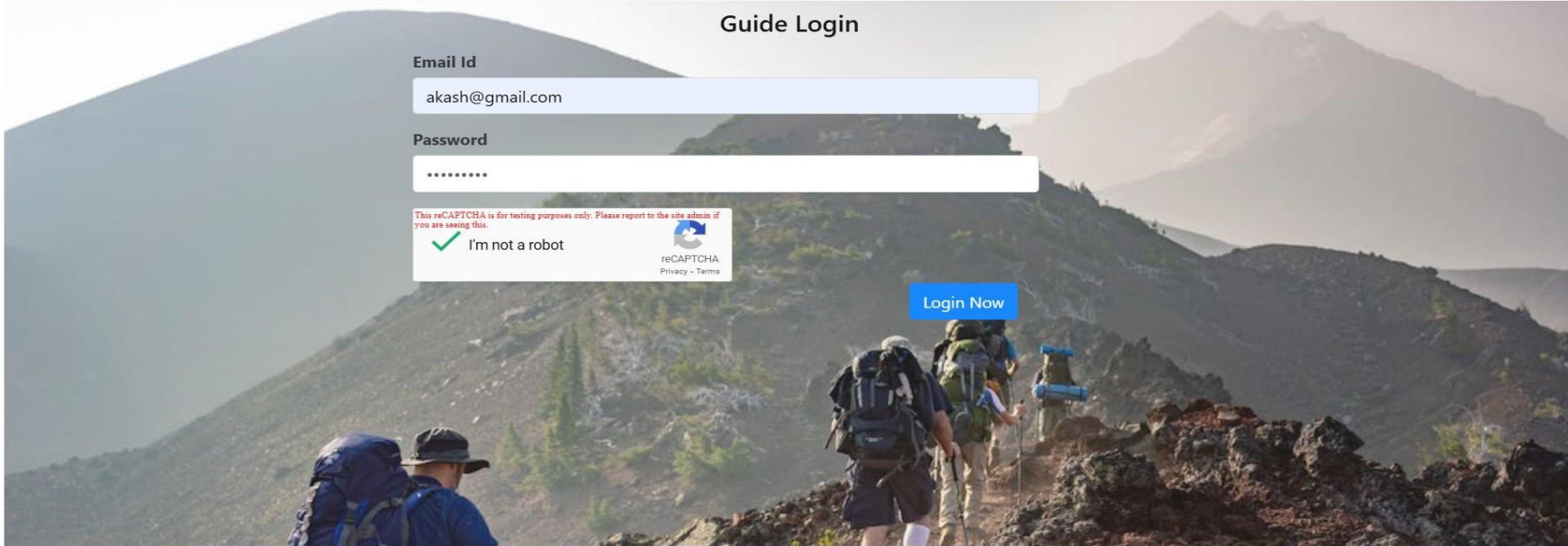
Password

This reCAPTCHA is for testing purposes only. Please report to the site admin if you are seeing this.

✓ I'm not a robot



Login Now





Welcome to Tour And Travel

Username Akash
Role : Guide

[Home](#)

[Catogeries](#) ▼

[Profile](#) [Add Event](#) [Events](#) [Logout](#)

Guide Profile Page

Welcome Akash

City : Pune

Email Id : akash@gmail.com

Contact No : 9420314444





Welcome to Tour And Travel

Username Akash
Role : Guide

[Home](#) [Catogeries](#) ▼

[Profile](#) [Add Event](#) [Events](#) [Logout](#)

Add Event

Event Name

Category

State

Price





Description

Event Date



Number of days

Daily Schedule

Name	Category	Event Date	Location	Price	Action
 Rajmachi Trek	Local Treks	Tue, 10-Jun-2025	Maharashtra	10000	Edit Delete
 Scuba Diving	Adventure Sports	Mon, 05-May-2025	Goa	32000	Edit Delete
 Kedarkantha Trek	Winter Treks	Tue, 19-Nov-2024	Uttarakhand	19000	Edit Delete
 Nagzira Wildlife Sanctuary:	Jungle Safari	Sat, 07-Sep-2024	Maharashtra	22000	Edit Delete
Sinhagad Fort	Himalyan Treks	Sat, 31-Aug-2024	Maharashtra	25000	Edit Delete

User Login



Welcome to Tour And Travel

Username Anjana Patel
Role : Customer

[Home](#)

[Catogeries](#) ▼

[View Cart](#) [Profile](#) [My Orders](#) [Logout](#)



The Mountains Are Calling...

Our Popular Treks





Welcome to Tour And Travel

Username Anjana Patel
Role : Customer

[Home](#)[Catogeries](#) ▼[View Cart](#)[Profile](#)[My Orders](#)[Logout](#)

Customer Profile Page

Welcome Anjana Patel

City : Mumbai

Email Id : anjana@gmail.com

Contact No : 9444223677

Update your Profile Anjana Patel

Customer Name

City

Gender

Email Id

Phone

[Update Profile](#)



Welcome to Tour And Travel

Username Anjana Patel
Role : Customer


[Home](#) [Catogeries](#) ▼

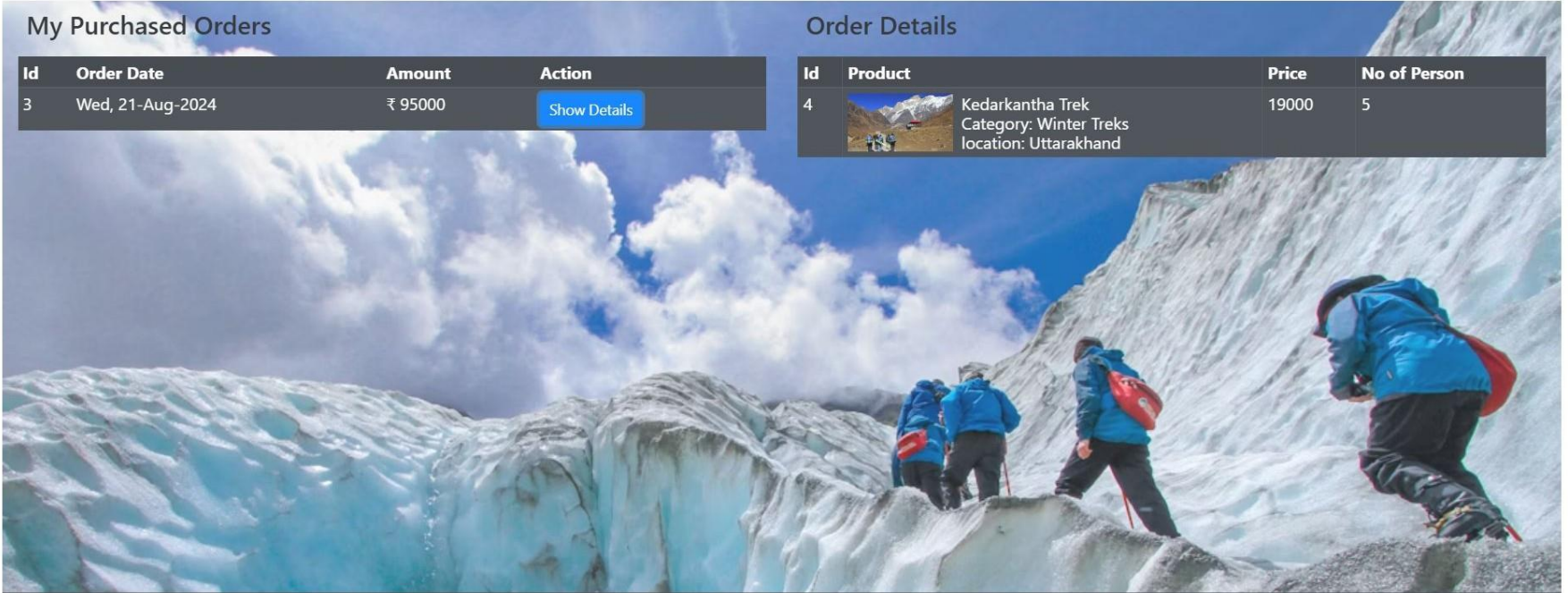
[View Cart](#) [Profile](#) [My Orders](#) [Logout](#)

My Purchased Orders

Id	Order Date	Amount	Action
3	Wed, 21-Aug-2024	₹ 95000	Show Details

Order Details

Id	Product	Price	No of Person
4	 Kedarkantha Trek Category: Winter Treks location: Uttarakhand	19000	5





Welcome to Tour And Travel

Home

Catogeries ▾

Login ▾

Register ▾

Himalyan Treks

Jungle Safari

Local Treks

Biking

Winter Treks

Adventure Sports

The Mountains Are Calling...

Home

Catogeries ▾



Nagzira Wildlife Sanctuary:

Maharashtra

Price: ₹ 22000

Event date: Sat, 07-Sep-2024

[Detail](#)

Our Popular Treks



Tour Booking

Home Catogeries ▾

Login ▾ Register ▾



Nagzira Wildlife Sanctuary:

Maharashtra

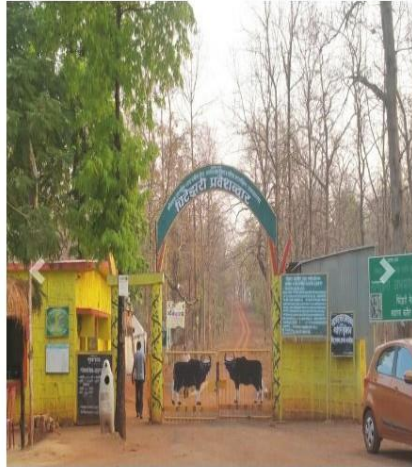
Price: ₹ 22000

Event date: Sat, 07-Sep-2024

Detail

Book This Event

×



Nagzira Wildlife Sanctuary:

Category: Jungle Safari

Guide: Akash

Price: ₹ 22000

No of Days : 2

Description :

Nagzira National Park is amongst the few national parks in India, where you got to stay in the arms of nature and adorned with a picturesque landscape and luxuriant vegetation. The forest rest house is situated besides a scenic lake and you can indulge in the magnificence presence of animals and birds.

Day Wise Schedule :

Day 1: Arrive Nagpur & Transfer to Nagzira National Park Upon arrival at Nagpur airport/railway station

Enter Number Of Person

4

Total bill : 88000

Book Now

Cart View

Event	Event Name	Price	No of person	Amount	Action
3	 Nagzira Wildlife Sanctuary:	₹ 22000	2	₹ 44000	Delete
Total Amount				₹ 44000	

Address Information

City

State


Zip

Country

Payment Information

Card No

Name on Card

Expiry Date 

CVV

Billed Amount

Place Order

Project Planning

Phase	Weeks	Tasks	Deliverables
Planning	Week 1-2	- Gather requirements	- Requirement specifications
		- Select technologies	- Design outline
		- Initial design	
Design	Week 3-4	- Detailed system design	- System design documents
		- Architecture planning	- UI/UX mockups
		- UI/UX design	
Development	Week 5-6	- Front-end development using React.js	- Completed modules
		- Back-end development using Spring Boot	- Integrated system
		- Database setup and integration with MySQL	
Testing	Week 7-8	- Unit testing	- Test reports
		- Integration testing	- Bug fixes
		- User acceptance testing	

Resource Allocation	Developers, designers, testers	Proper resource distribution and management
Tools	React.js, Spring Boot, MySQL, Eclipse IDE	Effective use of tools for project completion
Risk Management	Technical Risks: Integration issues, performance concerns	Regular testing, proven technologies
	Operational Risks: Resource constraints	Contingency planning, detailed scheduling
Timeline and Deliverables	Visual Schedule	Key deliverables: Design documents, system modules, test reports

Future Scope



AI-BASED
RECOMMENDATIONS.



MULTI-LANGUAGE
SUPPORT.



MOBILE APP
DEVELOPMENT.



SOCIAL MEDIA
INTEGRATION.

Limitations



Scalability issues.



Internet dependency.



Security challenges.

References

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<https://www.ijsr.net/archive/v12i5/SR23512140937.pdf>

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https://www.academia.edu/36249877/TOUR_and_TRAVEL_MANAGEMENT_SYSTEM

Thank you