

Name of the Project : Tours And Travel Management

Group No. :

Name of the Group Members :

| Sr. No. | Division | Roll No. | Name of Students |
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| 2 | A | 35 | Onkar Rajan Malawade |
| 3 | A | 37 | Esha Ravindra Mandovkar |

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1. Abstract

Tour N Travel, a Java-based travel management system, aims to streamline operations for travel businesses. Built with Java for versatility, scalability, and compatibility, it stores data centrally in a user-friendly platform. Users can expect online reservations, easy access to information, and time-saving features.

While the initial focus includes routes like Andheri to Sawantwadi, Tour N Travel can be designed to include new routes and even manage complex tour packages with itineraries and pricing. Future enhancements could involve customer profile management and communication tools. By offering a user-friendly and centralized system, Tour N Travel can become a valuable asset for the travel industry.

2. System Concept Statement

The “TourNTravel” is a Tour and Travel Management System which is a robust and efficient software solution designed to streamline and automate the operations of travel agencies, tour operators, and travel management companies. This system is developed using Java, leveraging its versatility, scalability, and cross-platform compatibility.

The admin add the details of Hotels, Tour packages and offers. The user of the system searches the information of the various hotels while booking and manage the bookings as per his requirements. The user can also searches tour packages and book them as per budget and schedule.

3. Intended audience, acronyms, and abbreviations

Primary Audience:

Travel Enthusiasts: Individuals who frequently plan trips, explore new destinations, and seek convenient and user-friendly platforms for travel bookings.

Tour Operators: Professionals or companies involved in organizing and managing tours, who aim to streamline their services and attract more customers through an efficient online platform.

Adventure Seekers: People interested in adventure travel, outdoor activities, and unique experiences, who appreciate intuitive interfaces for discovering and booking adventurous tours.

Vacation Planners: Individuals or families planning vacations, who value simplicity, reliability, and comprehensive travel information when selecting destinations, accommodations, and activities.

Secondary Audience:

Business Travelers: Professionals who travel for work purposes and seek efficient booking and management tools to streamline their business trips.

Travel Bloggers/Influencers: Content creators who share their travel experiences online and require engaging platforms to showcase their adventures and collaborate with tour operators.

Travel Agencies: Businesses that offer travel-related services, including trip planning, ticket reservations, and accommodation bookings, and seek innovative UI/UX solutions to enhance their customer engagement and retention.

Digital Nomads: Remote workers or freelancers who travel frequently while working remotely, who rely on digital platforms for organizing their travel itineraries and accommodations.

4. Functional and non-functional requirements

Functional Requirements:

A. User Registration and Authentication:

1. Users should be able to register for an account with their email address and password.
2. Registered users should be able to log in securely to access the system.

B. Tour Management:

1. Admins should be able to add, edit, or delete tour packages.
2. Each tour package should include details such as destination, itinerary, duration, pricing, and available dates.

C. Booking Management:

1. Users should be able to search for available tours based on criteria such as destination, date, duration, and price.
2. Users should be able to book tours by providing necessary details such as number of participants and payment information.
3. Admins should be able to view and manage bookings, including approving or rejecting bookings, and sending confirmation emails to users.

D. Payment Processing:

The system should support secure payment processing for tour bookings, integrating with popular payment gateways such as PayPal, Stripe, etc.

E. User Management:

Admins should be able to manage user accounts, including adding new users, editing user profiles, and deactivating or deleting accounts if necessary.

Non-Functional Requirements:Performance:

1. The system should be able to handle concurrent user requests efficiently, ensuring fast response times even during peak usage periods.
2. Page load times should be optimized to provide a smooth user experience.

Security:

- User data, including personal information and payment details, should be encrypted and stored securely.
- The system should implement proper authentication and authorization mechanisms to prevent unauthorized access to sensitive data.

Scalability:

The system should be designed to scale horizontally to accommodate a growing number of users and tours without affecting performance.

Usability:

The user interface should be intuitive and easy to navigate, with clear labeling and descriptive error messages.

The system should be accessible to users with disabilities, following accessibility standards such as WCAG.


Reliability:


- I. The system should be highly available, with minimal downtime for maintenance or upgrades.
- II. Regular backups of data should be performed to prevent data loss in case of system failures or disasters.

These requirements provide a comprehensive outline for developing a reliable and user-friendly Tours N Travel Management System that meets both functional needs and quality standards.

5.Design of System


A.User Personas





Vishal Trivedi

Marketing Specialist



| | |
|------------------------|-------------------------------|
| Age: 35 years | Country: India |
| Sex: Male | Education: Graduate |
| Marital status Married | Occupation: Marketing Manager |

BIOGRAPHY

Vishal Trivedi, a seasoned Marketing Specialist, combines strategic vision with tactical expertise to drive impactful marketing campaigns. With a passion for data-driven insights, Vishal excels in crafting compelling narratives that elevate brands and captivate audiences.

TRAVELLING HABITS




Vishal Trivedi's passion for traveling knows no bounds. Whether immersing himself in diverse cultures or seeking adventure in uncharted landscapes, his insatiable curiosity fuels a wanderlust that transcends boundaries.

GOALS AND OBJECTIVES

- Expand your skills
- Develop Travel & Tours
- Set easy way for Travelling
- buy a Package

SOCIAL NETWORKS

Use social networks at work

PERSONALITY

Creative

Methodical

Sentimental

Thoughtful

Extrovert

Introvert

SKILLS

Internet

★★★★★

Finance

★★★★★






Design

★★★★★

Social networks

★★★★★

TASTES AND HOBBIES

ART

PHOTOGRAPHY



TRAVEL

BUSINESS

FILE

Department of MCA

Page 5



Aditya Shinde

Student

| | |
|--------------------------|---------------------|
| Age: 22 years | Country: India |
| Sex: Male | Education: Graduate |
| Marital status Unmarried | Occupation: None |

BIOGRAPHY

Aditya Shinde, a vibrant 23-year-old student at FAMT College, navigates the realms of academia with enthusiasm and determination. Balancing a zest for learning and a commitment to excellence, Aditya's journey is defined by a pursuit of knowledge and a passion for personal growth.

GOALS AND OBJECTIVES

- Expand your skills
- Develop your Budget and Savings
- Set goals
- buy a Package

PERSONALITY

Creative

Methodical

Sentimental

Thoughtful

Extrovert

Introvert

FRUSTRATIONS




Too much time spent booking

Too many websites visited per trip

Does not Like the Process

SOCIAL NETWORKS

Use social networks at work



SKILLS

Internet

★★★★★

Finance

★★★★★






Design

★★★★★

Social networks

★★★★★

TASTES AND HOBBIES



ART

PHOTOGRAPHY

TRAVEL

BUSINESS

FILE

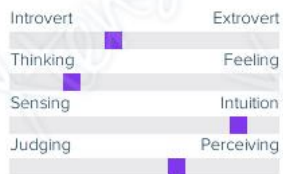
Anamika Chavan



"Travel far enough, you
meet yourself."

Age: **25**
Work: **Marketing Manager**
Status: **Single**
Location: **Chiplun,
Maharashtra.**
Gender: **Female**

Personality



Trait 1

Trait 2

Trait 3

Trait 4

Goals

- To easily find and book flights, accommodations, and activities for her trips.
- To stay within her budget while still enjoying quality travel experiences.
- To have access to reliable and up-to-date travel information and recommendations.

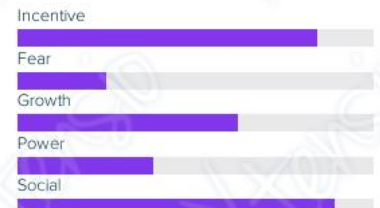
Frustrations

- Overwhelmed by the amount of travel information available online.
- Difficulty in finding authentic and unbiased reviews for accommodations and activities.
- Problems with the available solutions.

Bio

Anamika is a busy professional who loves to travel whenever she can take time off from her demanding job. She enjoys exploring new destinations, trying out local cuisines, and immersing herself in different cultures. Anamika prefers to travel independently or with a small group of friends rather than joining organized tours.

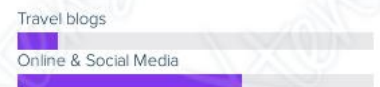
Motivation



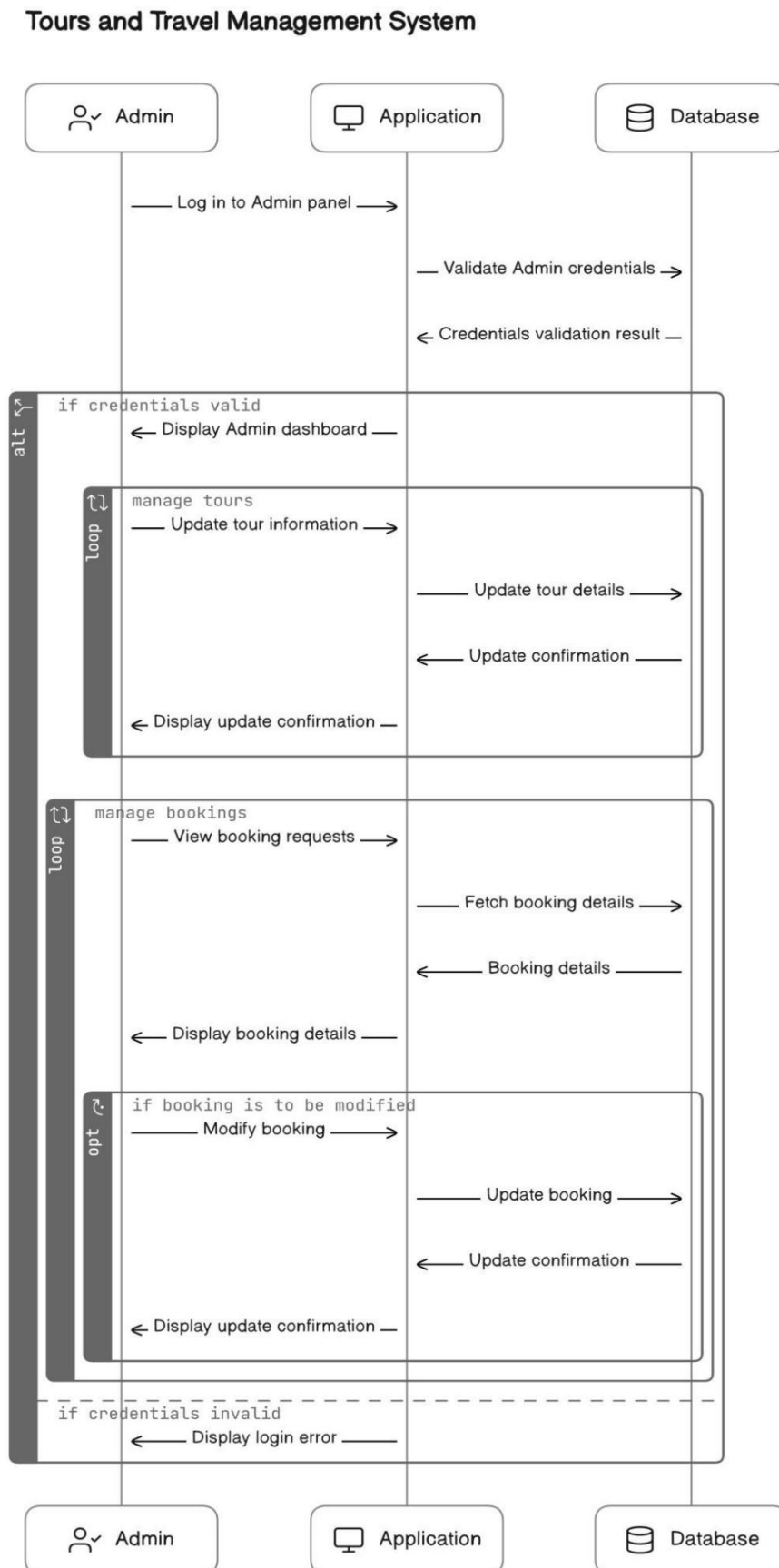
Brands & Influencers



Preferred Channels

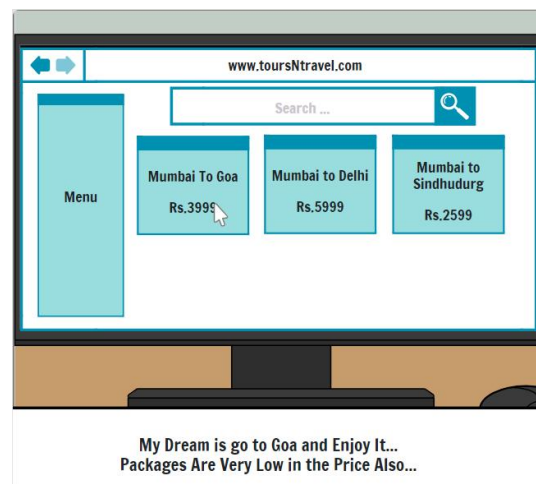


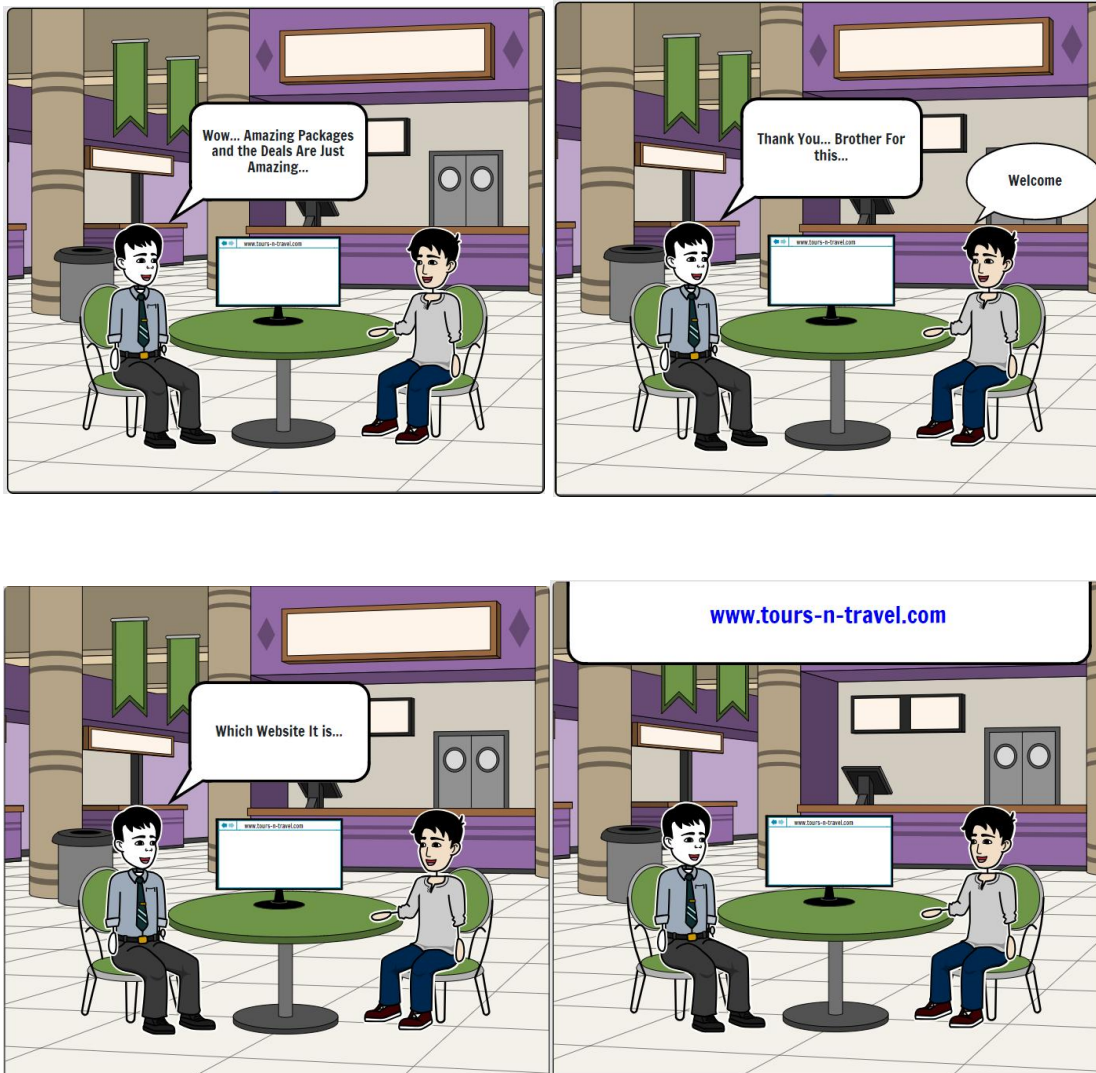
B.Task analysis model



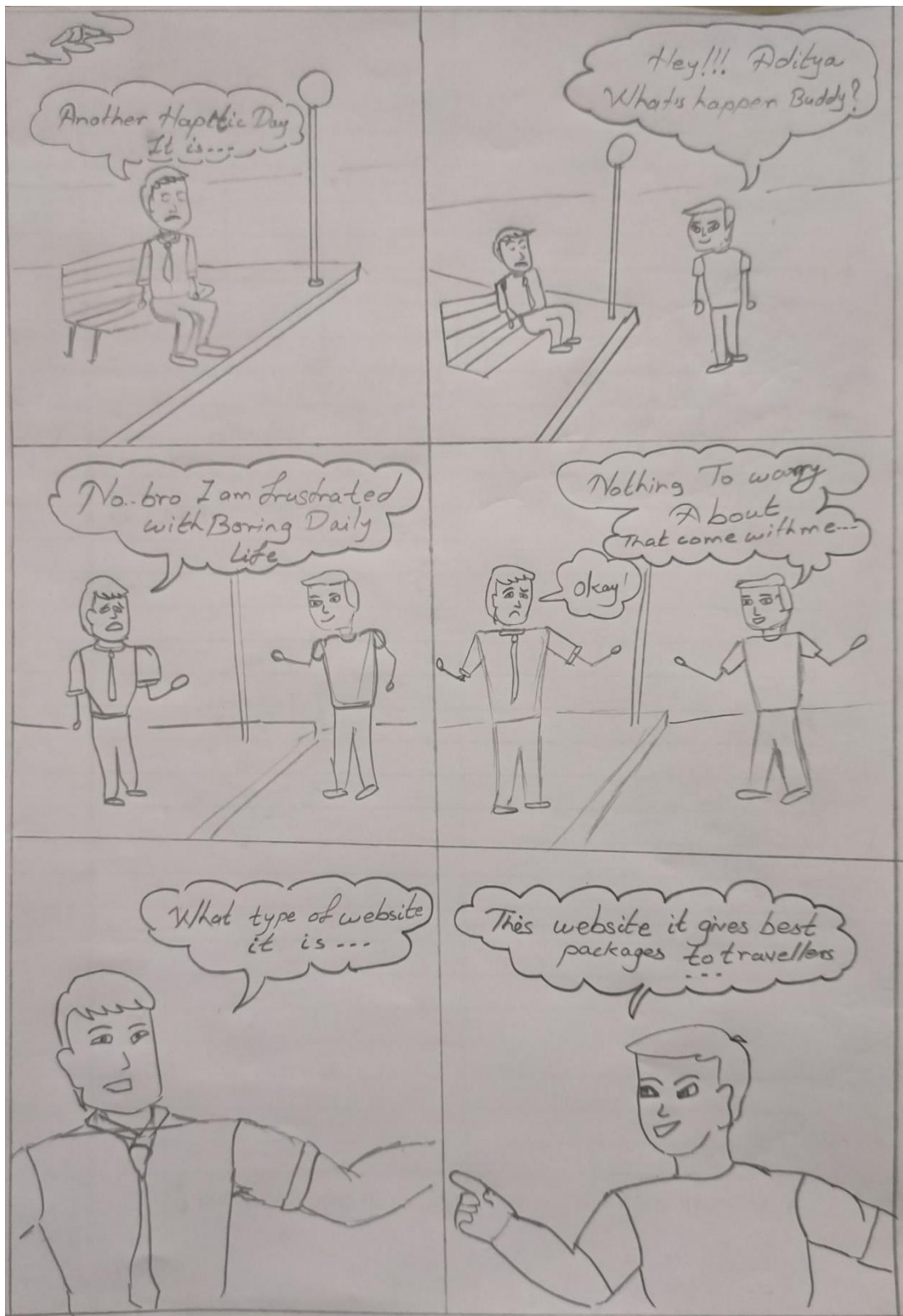
C. Story Board and sketch

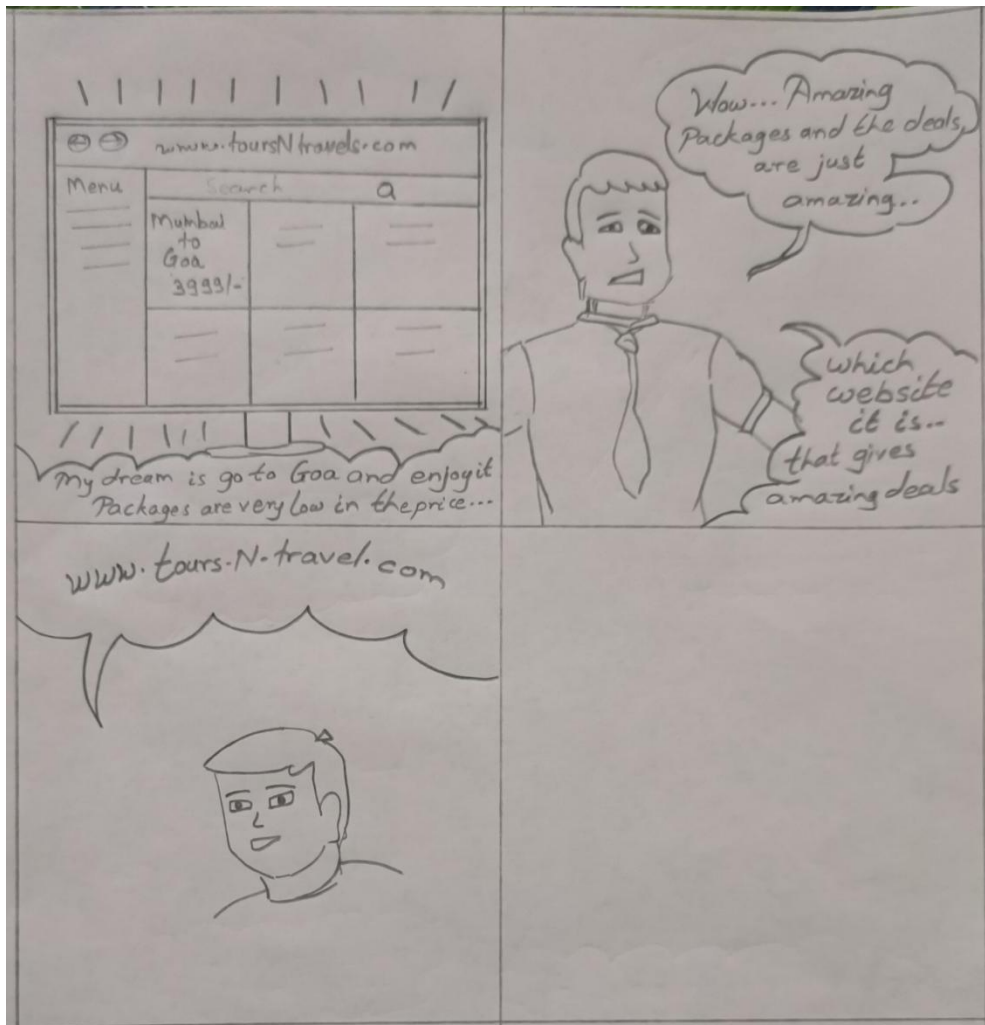
Story Board



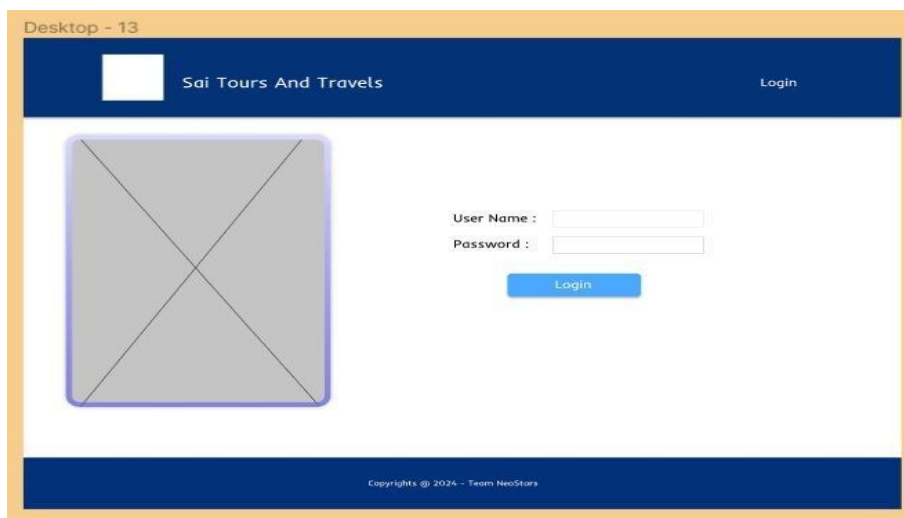
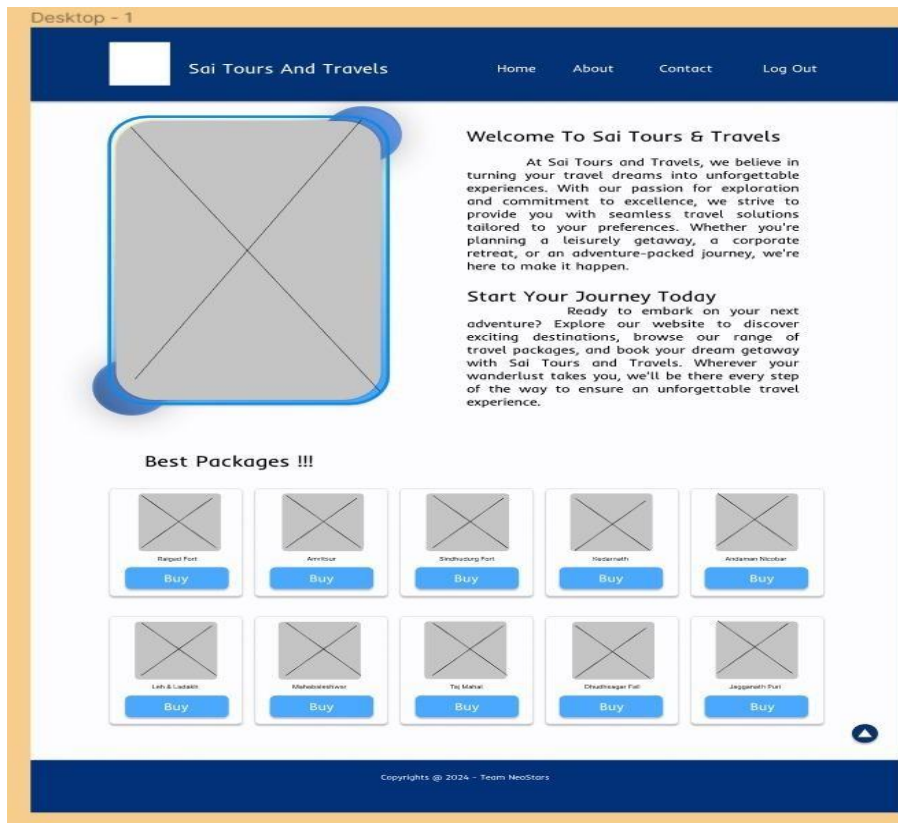


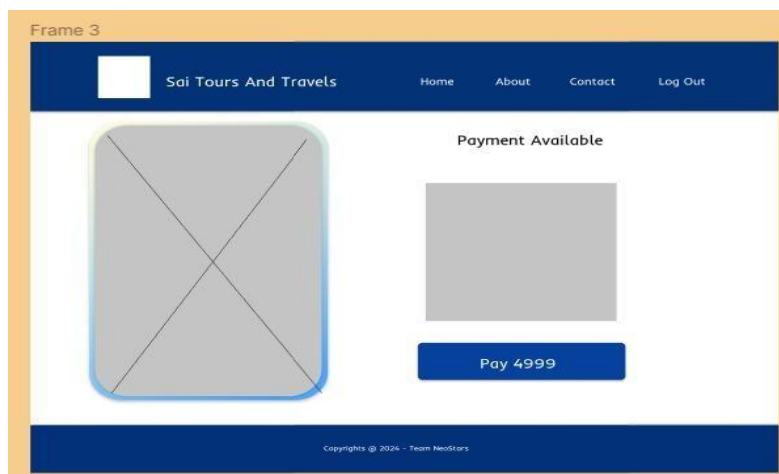
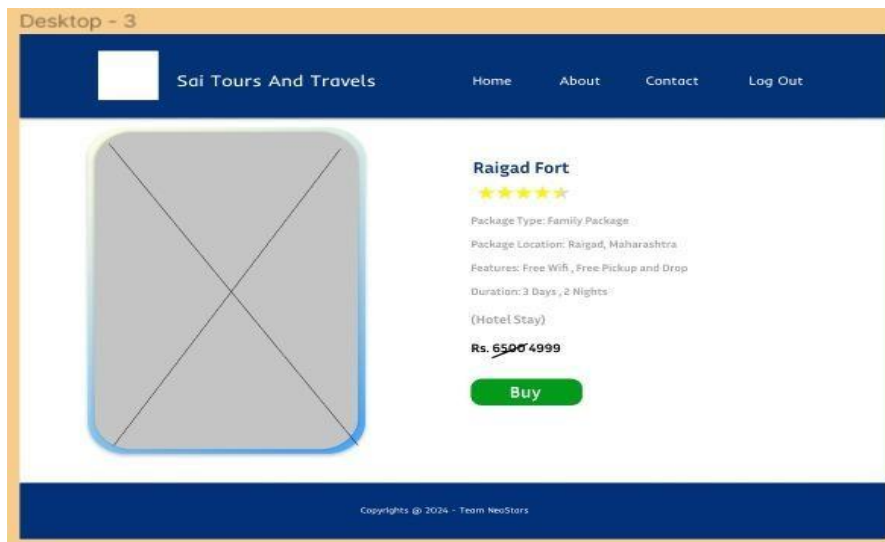
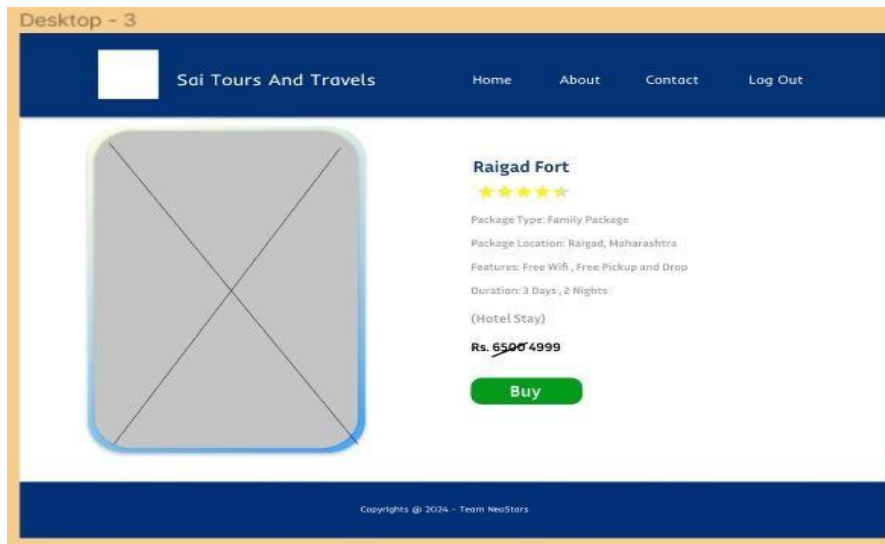
Sketch

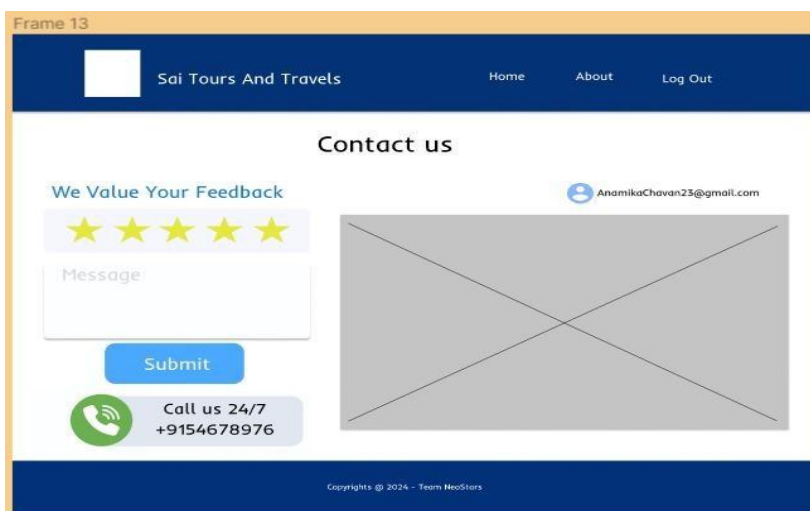
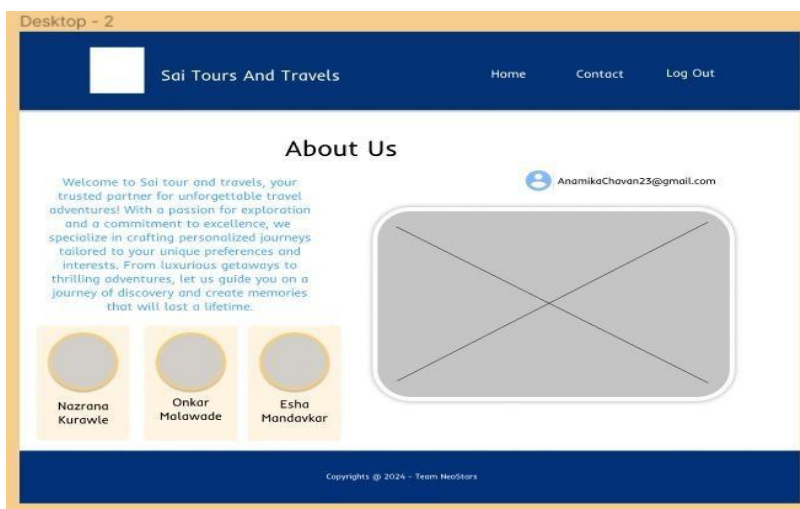
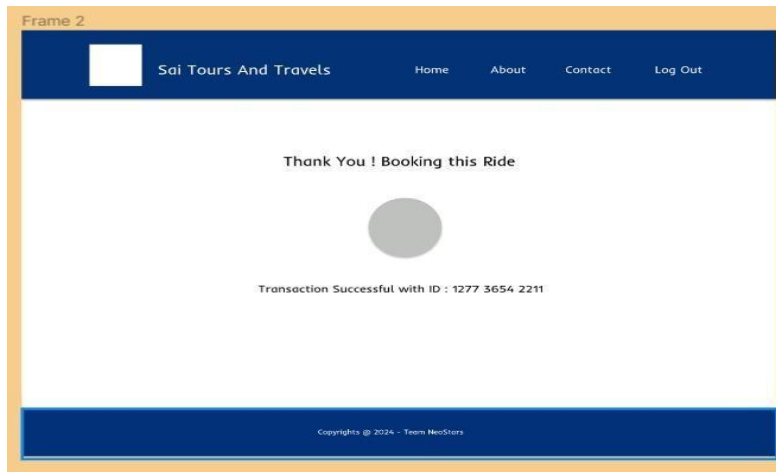


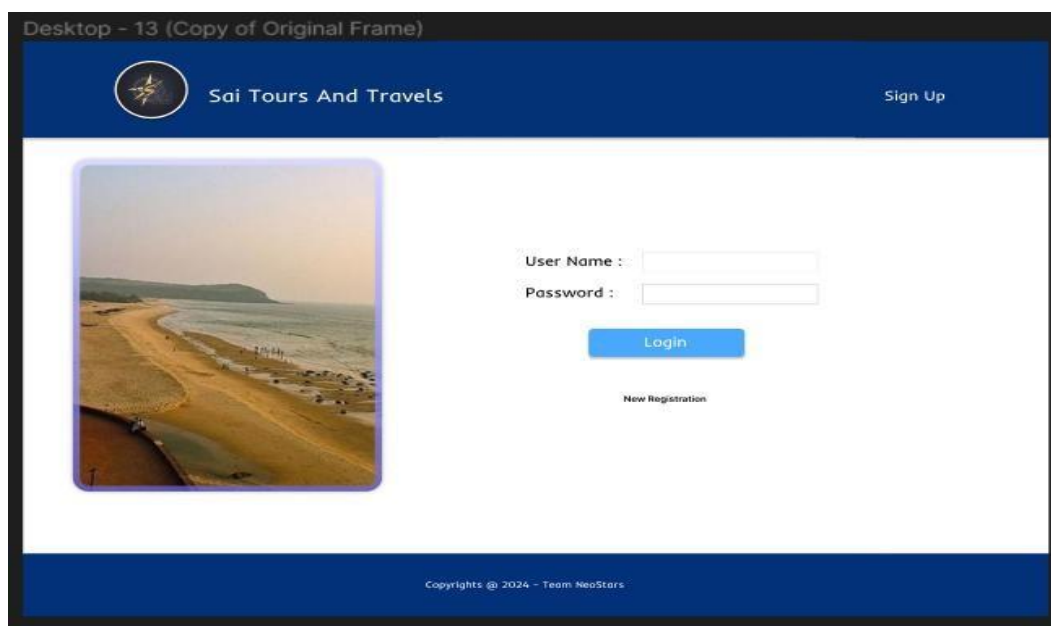
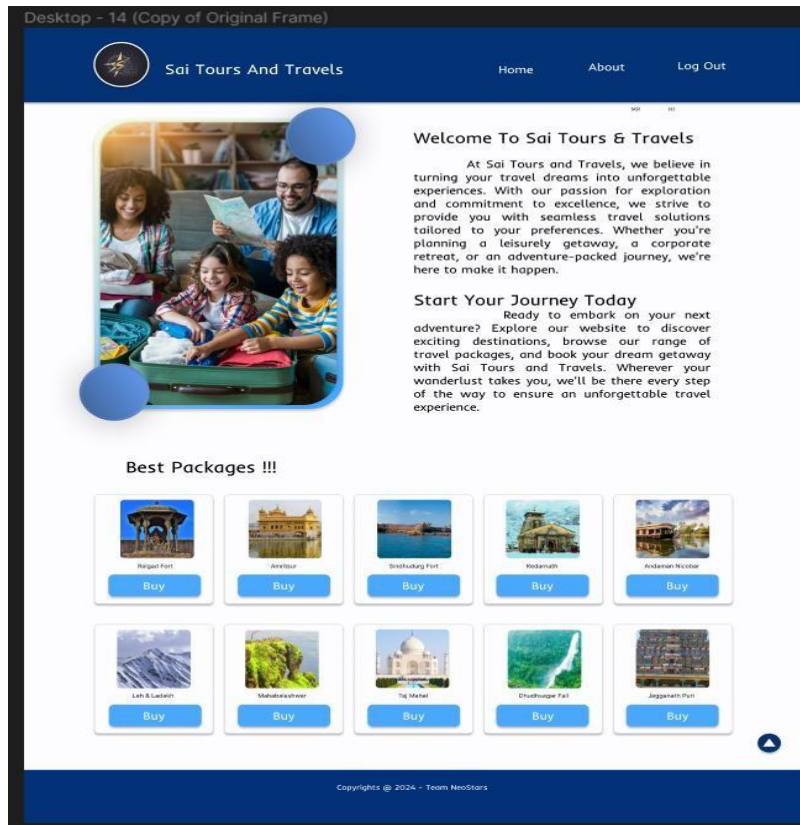


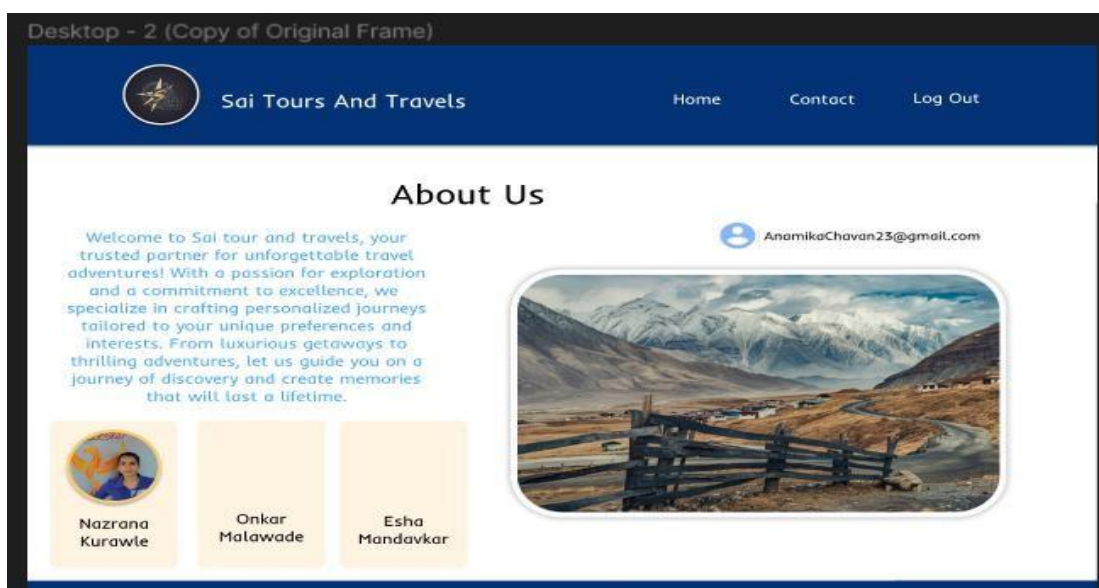
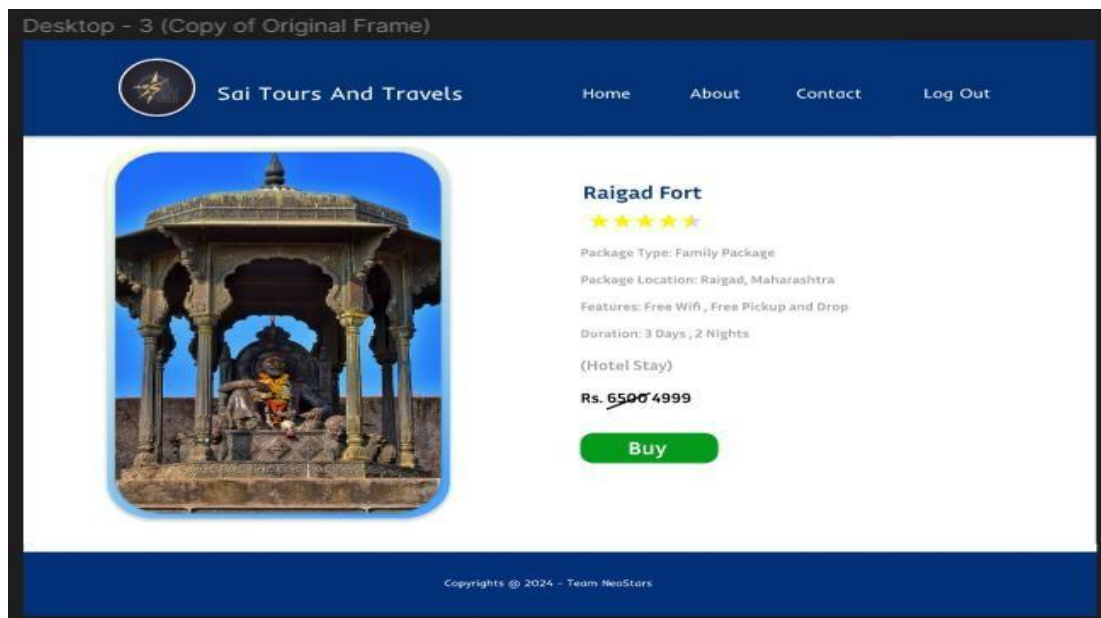
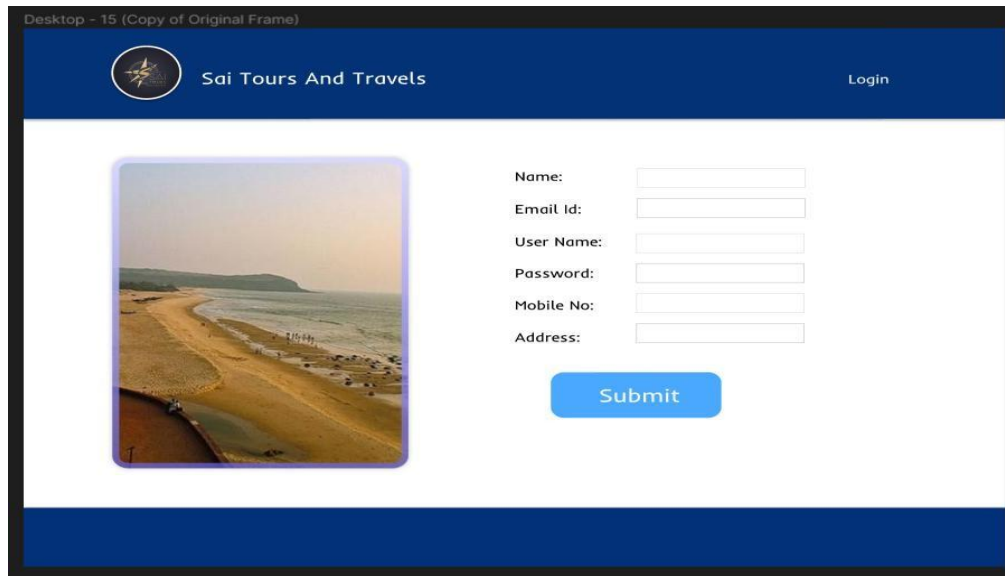
D. WireFrame :

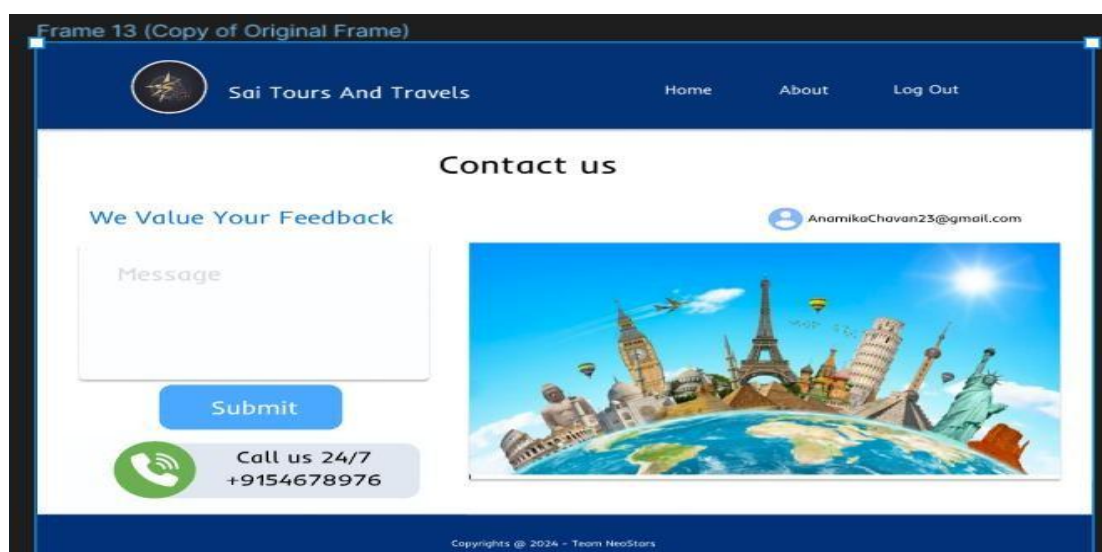
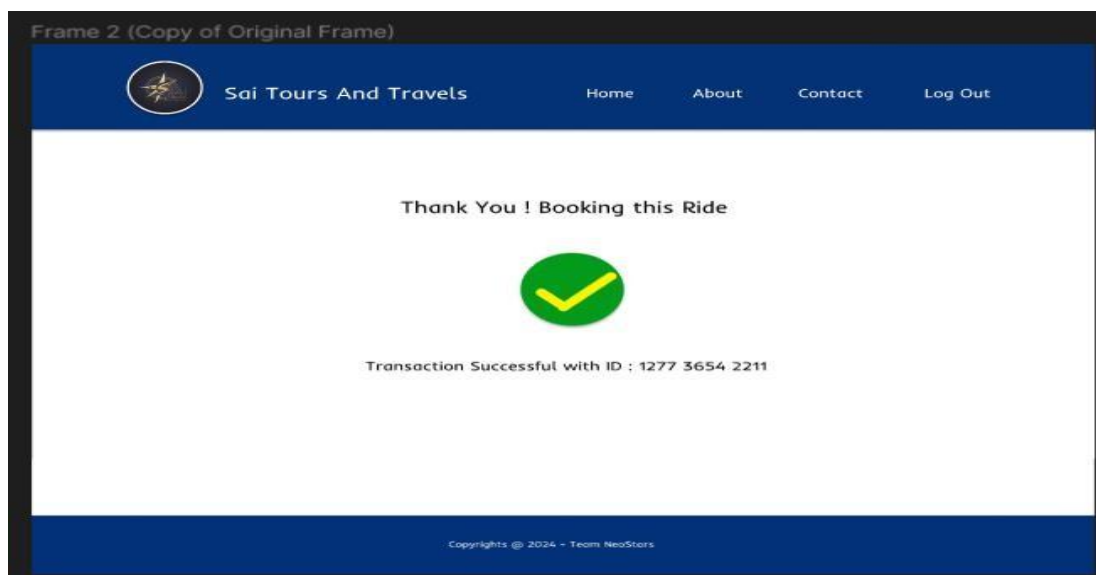
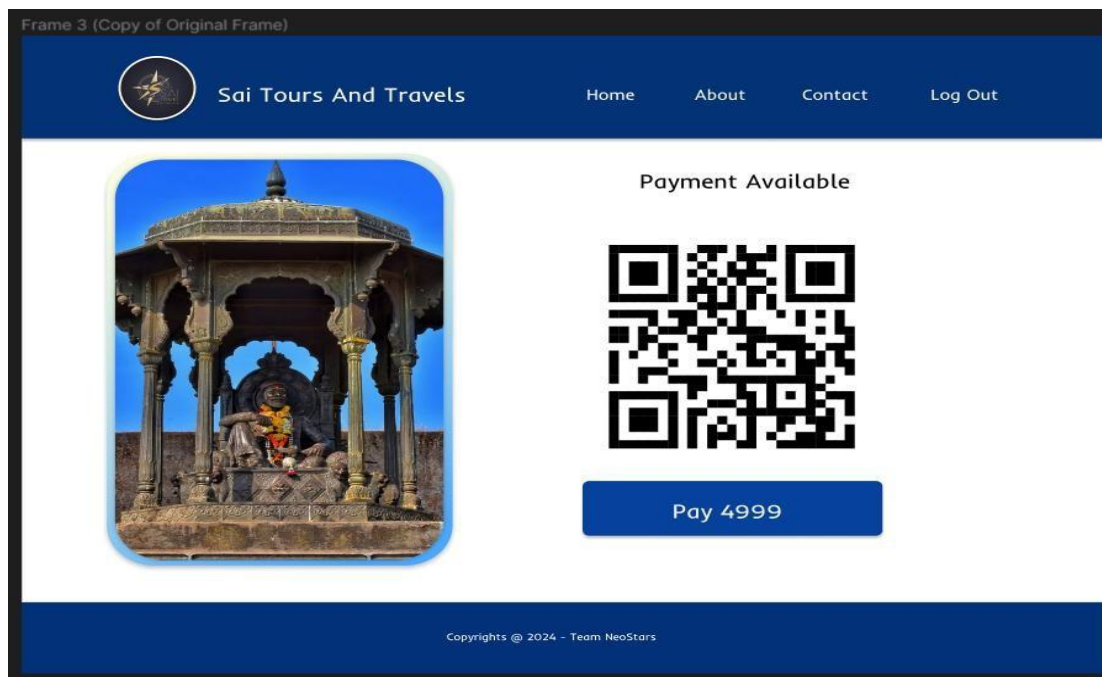






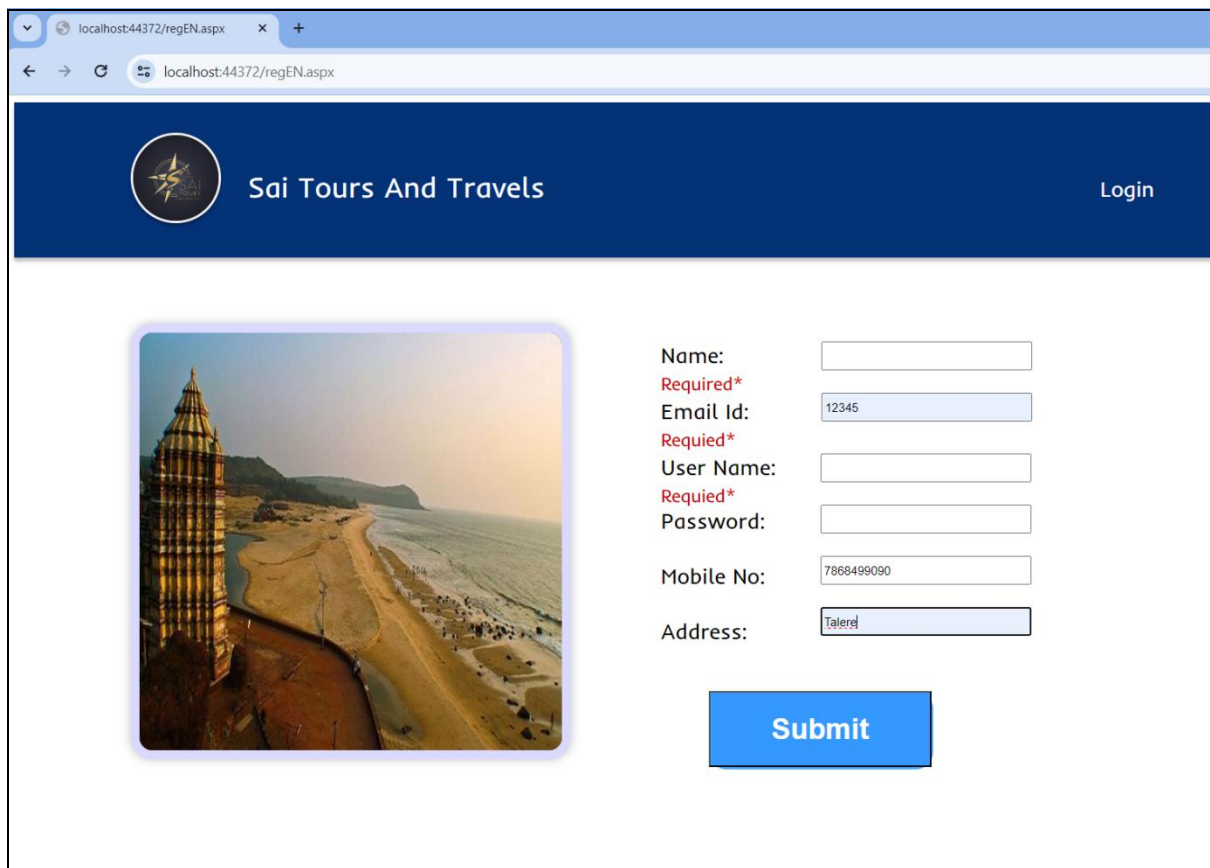
E.Prototype :






6. Screens


Registration Page :



localhost:44372/regEN.aspx

localhost:44372/regEN.aspx

 Sai Tours And Travels [Login](#)



Name:
Required*

Email Id:
Required*

User Name:
Required*

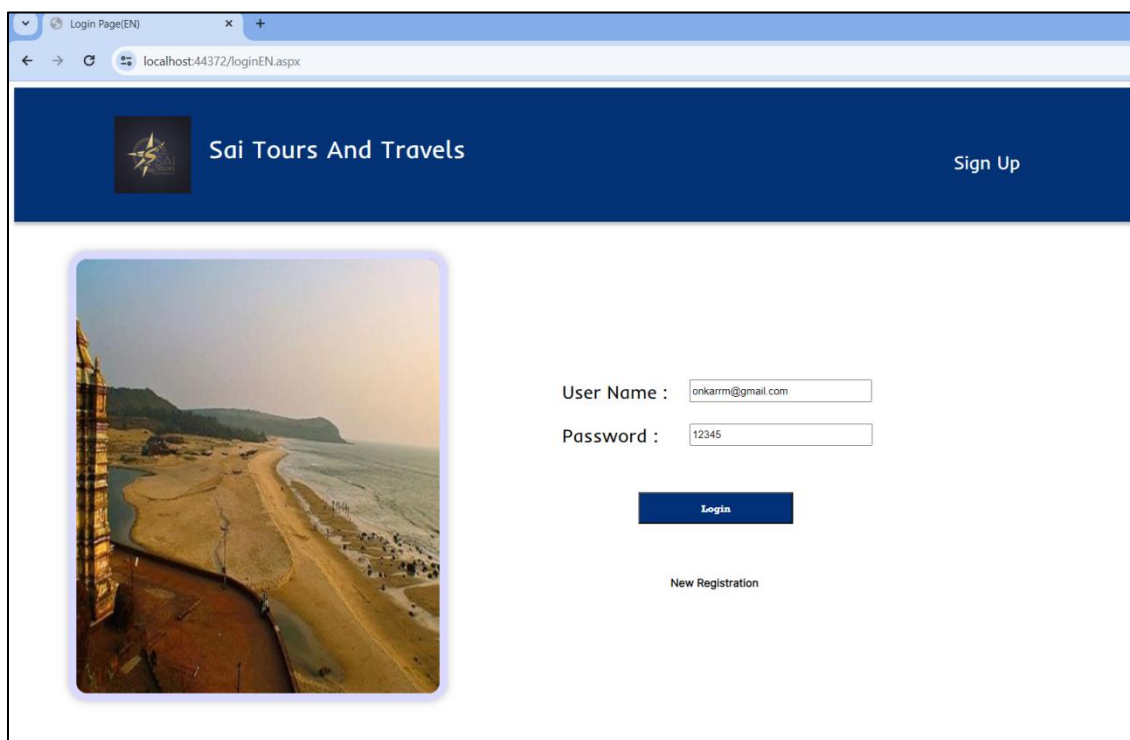
Password:
Required*

Mobile No:

Address:


[Submit](#)


Login Page :



Login Page[EN]

localhost:44372/loginEN.aspx

 Sai Tours And Travels [Sign Up](#)



User Name :

Password :

[Login](#)

[New Registration](#)

7. Test Cases :

| Req. No | Requirement | TC.No. | Description | Input | Expected O/P | Actual O/P |
|---------|----------------------------------|--------------|-------------------------------------|---|---|-------------|
| 1 | Valid Login Values | TC1.1 | Enter Username and Password | UserName:Radhika Password:Radhika@123 | After Clicking login the user can view packages | Pass |
| | | TC1.2 | Enter invalid Username and Password | UserName:Radhika Password:radhika123 | After Clicking login the invalid Username&Password message should be displayed. | Fail |
| | | TC1.3 | Enter invalid Username and Password | UserName:Radhika23 Password:Radhika@123 | After Clicking login the invalid Username&Password message should be displayed. | Fail |
| | | TC1.4 | Enter invalid Username and Password | UserName:Radhika Pasword:radhikaM | After Clicking login the Password should contain 8 Characters,1 symbol and numbers in it. | Fail |
| 2 | Valid Registration Values | TC2.1 | Enter Valid Registration Details | Name:Radhika Email id:RadhikaM23@gmail.com UserName:Radhika Password:Radhika@123 Mobile No:9459102028 Address:1123,Sainager,Ra tnagiri | After Clicking Submit the login page will be open | Pass |
| | | TC2.2 | Enter invalid Registration Details | Name:123Radhika Email id:RadhikaM23@gmail.com UserName:Radhika Password:Radhika@123 Mobile No:9459102028 Address:1123,Sainager,Ra tnagiri | System should display error message(the name should only contain letters) | Fail |
| | | TC2.3 | | Name:Radhika Email id:Radhika@gmail.com UserName:Radhika Password:Radhika@123 Mobile No:9459102028 Address:1123,Sainager,Ra tnagiri | System should display error message(Invalid email address) | Fail |

| | | | | | | |
|--|--|--------------|--|---|---|-------------|
| | | TC2.3 | | Name:Radhika Email id:RadhikaM23@gmail.co m UserName:Radhika Password:Radhika Mobile No:9459102028 Address:1123,Sainager,Ra tnagiri | System should display error message(the Password should contain 8 characters ,1 symbol,and numbers) | Fail |
| | | TC2.4 | | Name:Radhika Email id:RadhikaM23@gmail.co m UserName:Radhika Password:Radhika@123 Mobile No: 9459102 Address:1123,Sainager,Ra tnagiri | System should display error message(the mobile numbers should only be in numeric and be limited to 10 numbers) | Fail |
| | | TC2.5 | | Name:Radhika Email id:RadhikaM23@gmail.co m UserName:Radhika Password:Radhika@123 Mobile No: njytknbrt Address:1123,Sainager,Ra tnagiri | System should display error message(the mobile numbers should only be in numeric and be limited to 10 numbers) | Fail |

8.Future Enhancements:

1.Real-time updates and alerts:

Implementing real-time updates on flight and hotel availability, as well as weather alerts and travel advisories, can help users make more informed decisions and stay informed during their trip.

2.Social media integration:

Adding social media integration features such as sharing travel plans and photos, and inviting friends to join trips, can enhance the social aspect of the platform and make it more engaging for users.

3.Personalized recommendations:

Implementing a recommendation engine based on user preferences and past booking behavior can provide users with personalized travel recommendations tailored to their interests and budget.

4.Mobile app development:

Developing a mobile app for the tours and travels management system would make it more convenient for users to access and book their travel arrangements on-the-go.

5.Integration with travel booking platforms:

The system can be enhanced by integrating with popular travel booking platforms to provide users with a wider range of options for booking hotels, flights, and vacation rentals.