Veer Narmad South Gujarat University, Surat.

Department of Information and Communication Technology

M.Sc. (Information and Communication Technology) Programme

Project Report

2nd Semester

M.Sc. (Information and Communication Technology) 2 Year Course

Year 2022 – 2023

TOURS & TRAVELER MANGMENT

Guided By:

Mr. Sunny Chevli (External Guide)
Dr. Pushpal Desai (Internal Guide)

Submitted By:

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Veer Narmad South Gujarat University, Surat.

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Certificate

This is to certify that Mr./Ms. **Devanshi Mukundbhai Akbari** with Exam Seat Number: **10001** and Enrollment Number: **R22110018000710001** has worked on his/her part time project work entitled **TOURS & TRAVELER MANGMENT- Travellers** at **Info Web Solution Pvt. Ltd.** as a partial fulfillment of the requirements for **2nd *Semester - M.Sc. (Information and Communication Technology)***, during the academic Year 2022-2022.

Date:

Place: Dept. of ICT, VNSGU, Surat.

Internal Project Guide **M.Sc. (I.C.T.) 2nd Semester** **Department of I.C.T.** **Veer Narmad South Gujarat University, Surat**	**Course Coordinator** **M.Sc. (I.C.T.) Programme** **Department of I.C.T.** **Veer Narmad South Gujarat University, Surat**	**Head of the Department** **Department of I.C.T.** **Veer Narmad South Gujarat University, Surat**

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This is to certify that Mr./Ms. **Hemali Anilbhai Viradiya** with Exam Seat Number: **10053** and Enrollment Number: **R22110018000710056** has worked on his/her part time project work entitled **TOURS & TRAVELER MANGMENT- Travellers** at **Info Web Solution Pvt. Ltd.** as a partial fulfillment of the requirements for **2nd *Semester - M.Sc. (Information and Communication Technology)***, during the academic Year 2022-2022.

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ACKNOWLEDGEMENT

When we reach the completion of the project, giving credit becomes a must, as without the support of other so many people's help and guidance, this project couldn't be completed successfully.

Success in such a comprehensive project cannot be achieved single-handled. It is team effort that sails the ship to the coast. So, we would like to express our sincere thanks to all the dignitaries who were involved in making this project a great joy and turning it into successful piece of work.

We would like to take opportunity to thank our Department J.P. Dawer Institute of Information Science & Technology, Surat for giving us this tremendous opportunity to work in the real-time project.

Info Web Solution Pvt. Ltd., As its name say it all. The company Provide as a such guidons in all way we need and help us to be more self-learner, and provide environment, where we put our professionalism skills ups, so we heartly thank you this firm for this kind of supports.

Dr. Pushpal Desai, our professor and project coordinator, has been very Supportive to us throughout our college studies. He is the person who has been giving direction to our work and the shape to our imagination and always ready to give best guidance, give solutions whenever required. We express our regards to him from the core of our heart.

Last but not the least, our heartfelt appreciation goes to all those not named here, but who have rendered their co-operation, little or more, directly or indirectly involved in the development of this system.

Thanking All.

Devanshi M. Akbari

Hemali A. Viradiya

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Date: 26th April, 2023

To,
The Director,
M.Sc. (I.C.T.) Programme,
VNSGU,
Surat.

Dear Sir/Madam,

This is to confirm, that the students **Devanshi Mukundbhai Akbari & Hemali Anilbhai Viradiya** Of your institute have joined our firm as a part of their academic activities of your esteemed institute for 3-month duration.

They will not be allowed to take the source code along with them. They will be allowed to take some sections of the documents prepared for demonstration to authorities of your institute only.

INFO WEB SOLUTION SURAT

For Info Web Solution,
Sunny Chevli

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1.Introduction

1.1 Company Profile

- "Info Web Solution" is an IT Firm. It specializes in projects that combine beautiful interactive design with intelligent technology. Here at Speed Limit, we understand that having a great web application software or website, a print piece, or even a beautiful logo is just not enough. You need results.
- "Info Web Solution" is a results-focused and driven shop. The Company love tying in creative marketing campaigns to our great work.

1.2 Customer Profile

- Wanderlust Travel & Tours is a leading Outbound and Inbound tour operating company based in India. They take pride in maintaining the hospitable approach with our 20+ years of experience in the Travel Industry, which has led to many satisfied customers internationally until now.
- They are constantly improving and refining our services to meet your specific needs. With just one call or email to them or online.
- Here, with the name of "Traveler" we will help find a suitable dream holiday for their customers and your family. By offer them a joyful, hassle free and cost-efficient experience with 100% transparency. And they will "Trust us with their journey to See the World."

1.2.1 Current System

- As per the current system of the client is mostly offline, so its required user to go physically at company and booking their trip
- So, to overcome from this kind of many problems they are trying to be settle on digital platform as well.

2. Proposed System

2.1 Objective of the System

- It is a web application. So, that maintenance cost, economic cost will less.
- It fulfills all the need of the user by providing tours at many places with the facilities of staying and about transportation.
- This is a basic system that will keep a record of booking and the payments and will work as connecting bridge between customer and their dream destinations.
- Due to this system, there is no need to visit various tours agents in search of their destination's information and many other information related to that city or state.
- The information about various cities in various states can be accessible in one place.
- Also, will keep a record of contact information of the customer and will send necessary notices and/or reminders to the customer through emails.

2.2 Project Definition

- **Online Tours and Travel (Traveler)** is an internet portal dedicated to meet every consumer's dream destination in the real world.
- It is a forum where registered users can book the packages. In the genre the latest packages, hotels and the transportations are the highlights of the web portal.
- Feedback of the hotel or package or transportation and generate the leads of every registered user.
- If the user's account available then show him/her to latest packages, hotels and transportations, if not then provide the register user page to interact with the system. The system will contact the user through their registered email-ID.
- After registration, the user can see the details of many places, hotels and transportations and the interested users can feedback it, give their opinion and can book them and have to do the payment at that time.
- The registered user can search the interesting transportation through the searching criteria according to city, etc.
- User can see the latest arrival Packages, hotels and transportations.

- The registered user can book the packages with expected price and other necessary details.
- If any user has any personal issue or any other problem, he/she can cancel their bookings afterwards.
- Any interested user can see the relatable details through the one click on the package, hotel or transportation and if the user interested, then the system will give the user a form to fill up and then the system will book their bookings for the further work and then users have to pay the payment for their bookings.

2.3 Core Components

- **Setup:**

  Setup component is only used by admin. In that component admin can manage packages, hotels, transportations, categories of packages, room types of hotels, blogs and can see the user related information like their confirm bookings, inquiries, feedbacks etc.

- **Packages:**

  In this component register user can see list of packages and can search the dream destinations as per the provided criteria and can get the necessary details of that places, can give the feedbacks, can have booking of that and at that end they can pay the payments.

- **Hotels:**

  In this component register user can see list of hotels and can search the place for the stay as per the provided criteria and can get the necessary details of that places, can give the feedbacks, can have booking of that and at that end they can pay the payments.

- **Transportations:**

  In this component register user can see list of transportation and can search the dream destinations as per the provided criteria and can get the necessary details of that places, can give the feedbacks, can have booking of that and at that end they can pay the payments.

- **Home:**

  In this component registered user can search the packages according to their criteria. Through the packages, the user can see the whole details of the place and according to their thought, they will provide the feedback (rating). Here there will be the latest and popular places and staying places and transportations list through which the register user

2.4 Advantages of the Proposed System

- The admin can see the feedback and rating of their property.
- Every time, when the interested user books the bookings, The admin and that user will be notified by the Dashboard for their bookings.
- Every time when user booked the package or hotel or transportations, every time he/she will ask for the alternative email and contact number.
- All registered user can search packages, hotels, and transportations by their criteria.
- All the users will be notified when the new packages, hotels and transportation will be added.

3. Environment Specification

3.1 Hardware & Software Requirements

Hardware Requirement	Processor of 800 MHz Pentium (R), Minimum 512 MB RAM and Above, Minimum 40 GB Hard Disk and Above, Mouse, Keyboard.
Software Specification	Front End Software: Visual Studio 2022, VS Code 2022 Back End: SQL SERVER 19 Operating System: Windows 10 OR above

3.2 Development Description

- I have gathered information about Traveler through the internet, and I found this topic interesting. I assure you that this system will give you more flexibility, reliability as well as financial support.
- In this project, I have used the following technology

4. System Planning

4.1 Feasibility Study

- The main goal of this phase is to determine whether it would be financially and technically feasible to develop the software.
- The feasibility study involves understanding the problem and then determining the various possible strategies to solve the problem. These different identified solutions are analysed based on their benefits and drawbacks, The best solution is chosen and all the other phases are carried out as per this solution strategy.
- The feasibility of our project has been judged based on time, technology, and project length.
- **Time:**

  This project is roughly 3 months to complete primary functionality, so as far as time is concerned this project is feasible.
- **Technology:**

  This project is based on Java with NetBeans. Therefore, the technical risk is negligible so the problem is feasible.
- **Project Size:**

  The project size is normal and therefore we have undertaken this project.

4.2 Software Engineering Model

- The waterfall model is a software development model used in the context of large, complex projects, typically in the field of information technology. It is characterized by a structured, sequential approach to project management and software development.
- The waterfall model is useful in situations where the project requirements are well-defined and the project goals are clear. It is often used for large-scale projects with long timelines, where there is little room for error and the project stakeholders need to have a high level of confidence in the outcome.
- **Features of the Waterfall Model**

- **Sequential Approach**:

  The waterfall model involves a sequential approach to software development, where each phase of the project is completed before moving on to the next one.
- **Document-Driven:**

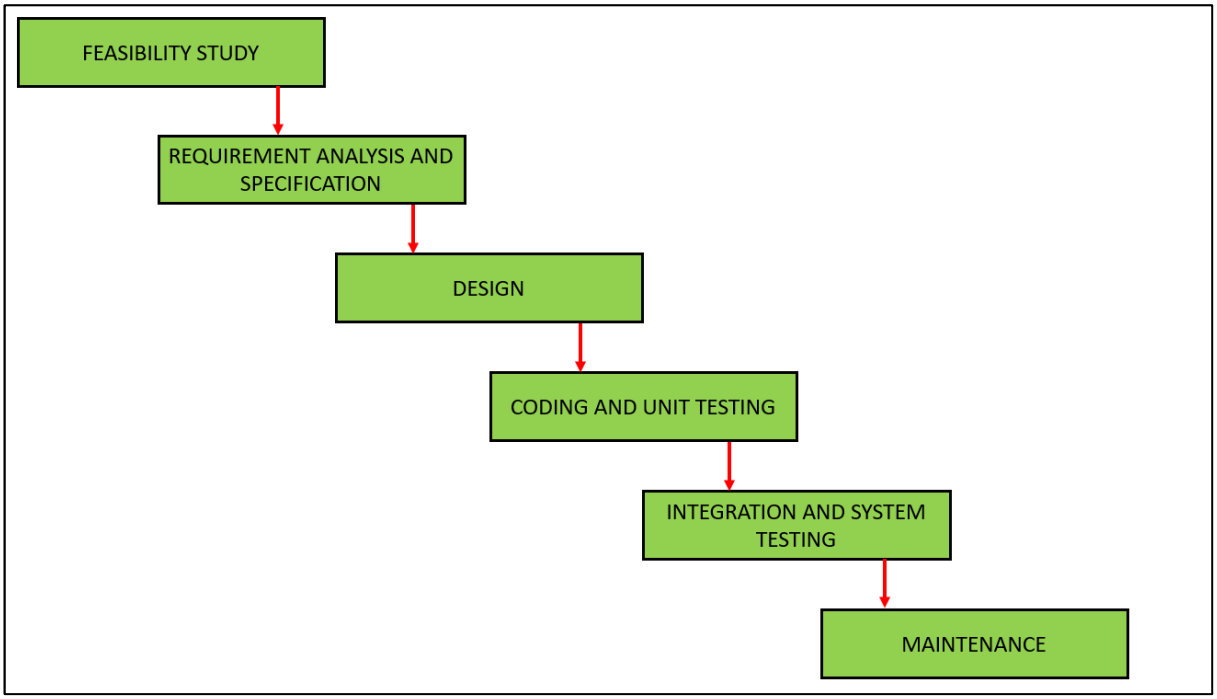
The waterfall model relies heavily on documentation to ensure that the project is well-defined and the project team is working towards a clear set of goals.

- **Quality Control:**

  The waterfall model places a high emphasis on quality control and testing at each phase of the project, to ensure that the final product meets the requirements and expectations of the stakeholders.

- **Rigorous Planning**:

  The waterfall model involves a rigorous planning process, where the project scope, timelines, and deliverables are carefully defined and monitored throughout the project lifecycle.



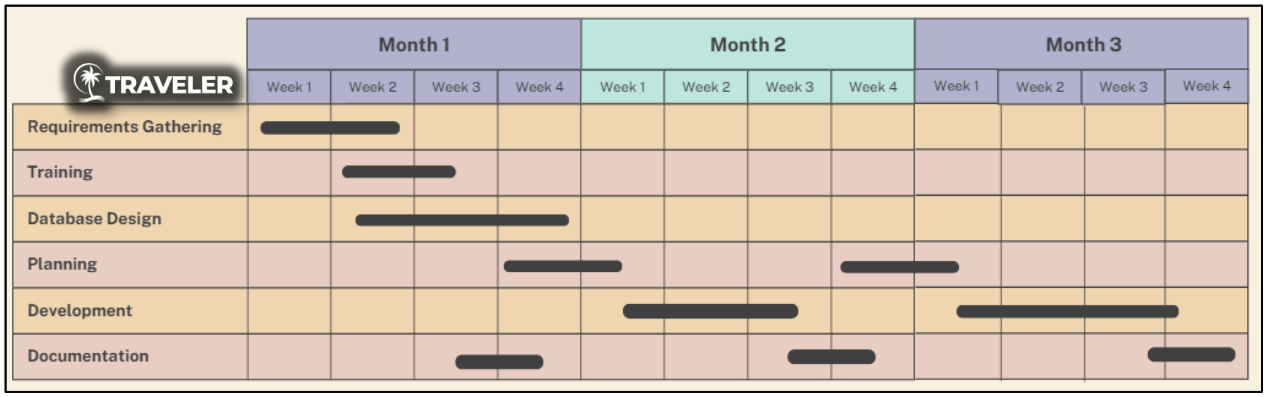
4.2 Phases of Classical Waterfall Model

- Overall, the waterfall model is used in situations where there is a need for a highly structured and systematic approach to software development. It can be effective in ensuring that large, complex projects are completed on time and within budget, with a high level of quality and customer satisfaction

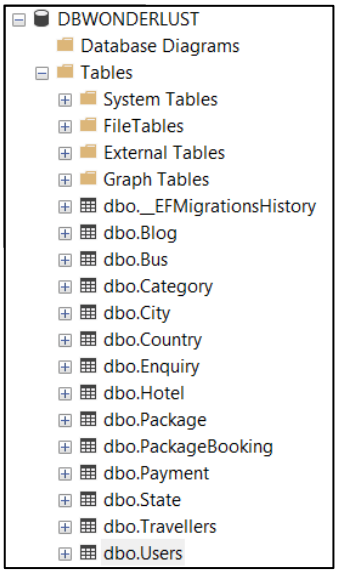
4.3 Risk Analysis

- Risk analysis consists of using tools and techniques to determine the likelihood and impact of project risks that have been previously identified. Therefore, risk analysis helps project managers decipher the uncertainty of potential risks and how they would impact the project in terms of schedule, quality and costs if, in fact, they were to show up. Risk analysis isn't exclusive to project management and it's used in other disciplines such as business administration, construction or manufacturing.

4.4 Timeline Chart



4.5 Project Table



4.6 Project Profile

Project Title	Online Tours and Travel Management (Traveler)
Front-End	ReactJs, MVC
Back-End	C#, SQL SERVER
Development Tools	Visual Studio 2022, VS Code 2022, SQL Server Management Studio 2019
Submitted By	Ms. Devanshi Mukund Bhai Akbari Ms. Hemali Anil Bhai Viradiya

5. System Analysis

5.1 Project Scope

ADMIN

- Login
- Manage Category
- Manage State
- Manage City
- Manage Packages
- Manage Bus
- Manage Hotel
- Manage User
- Enquiry
- Payment
- Logout

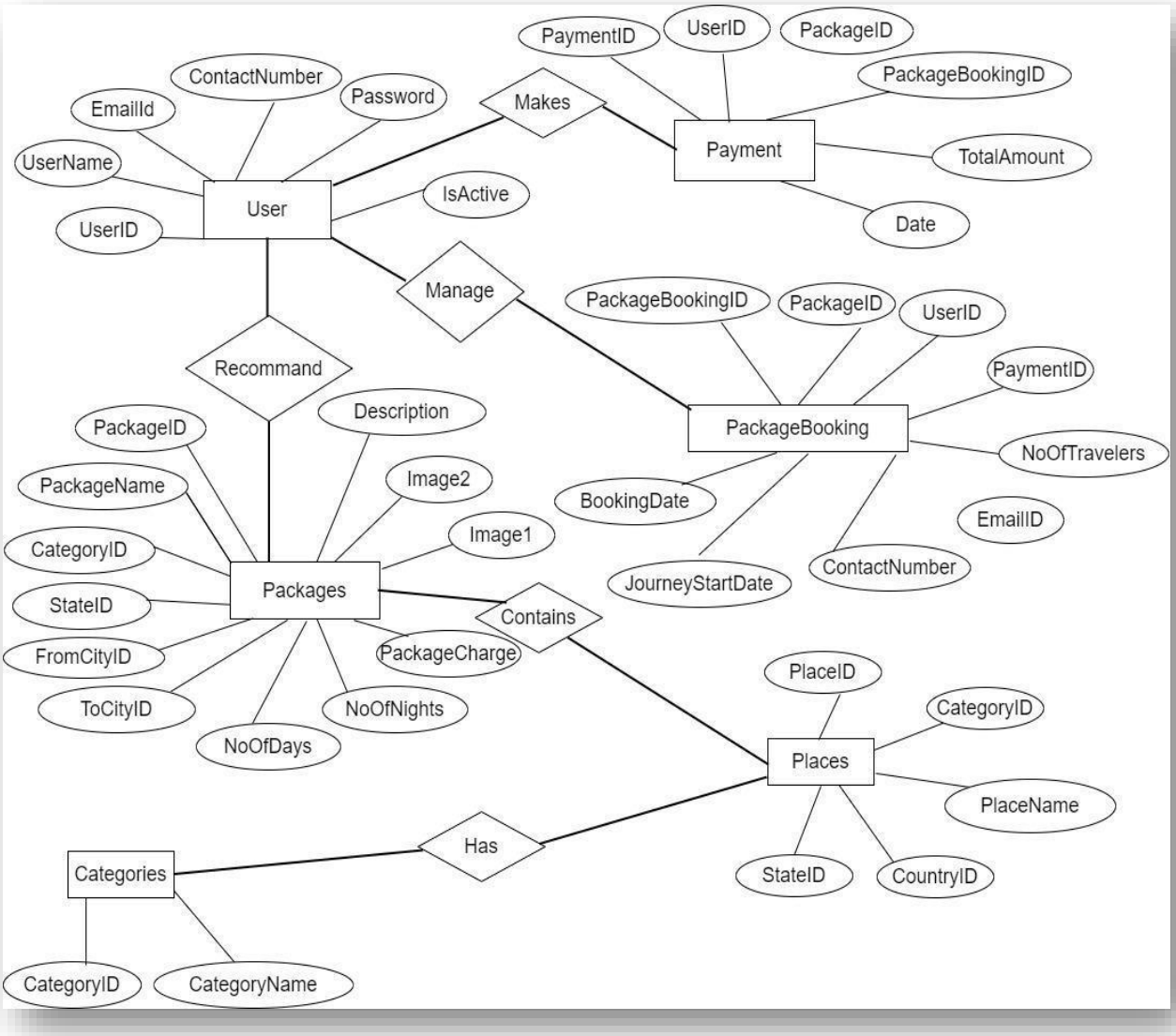
USER

- Register
- Login
- Booking
- Payment
- Enquiry
- Logout
- All web visit
- Feedback

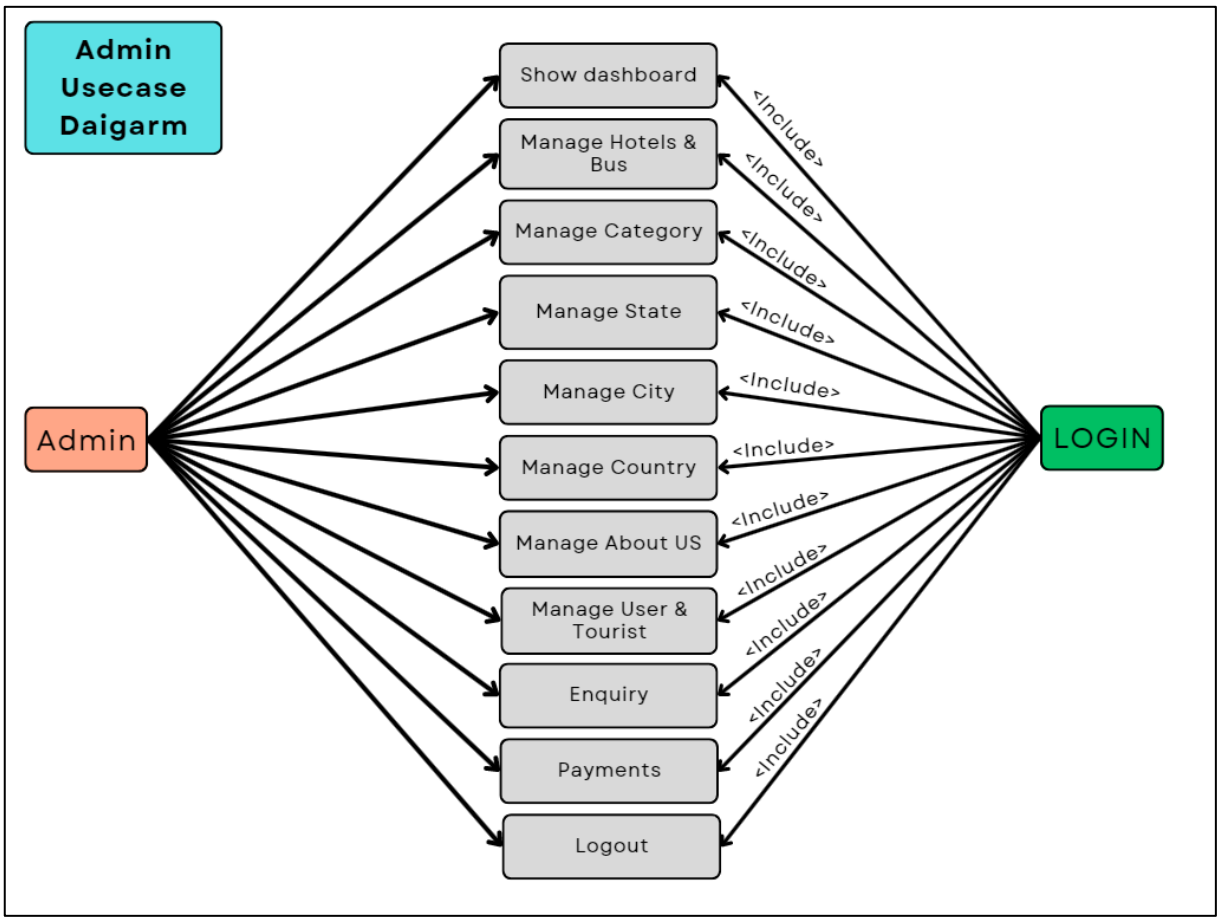
VISITING USER

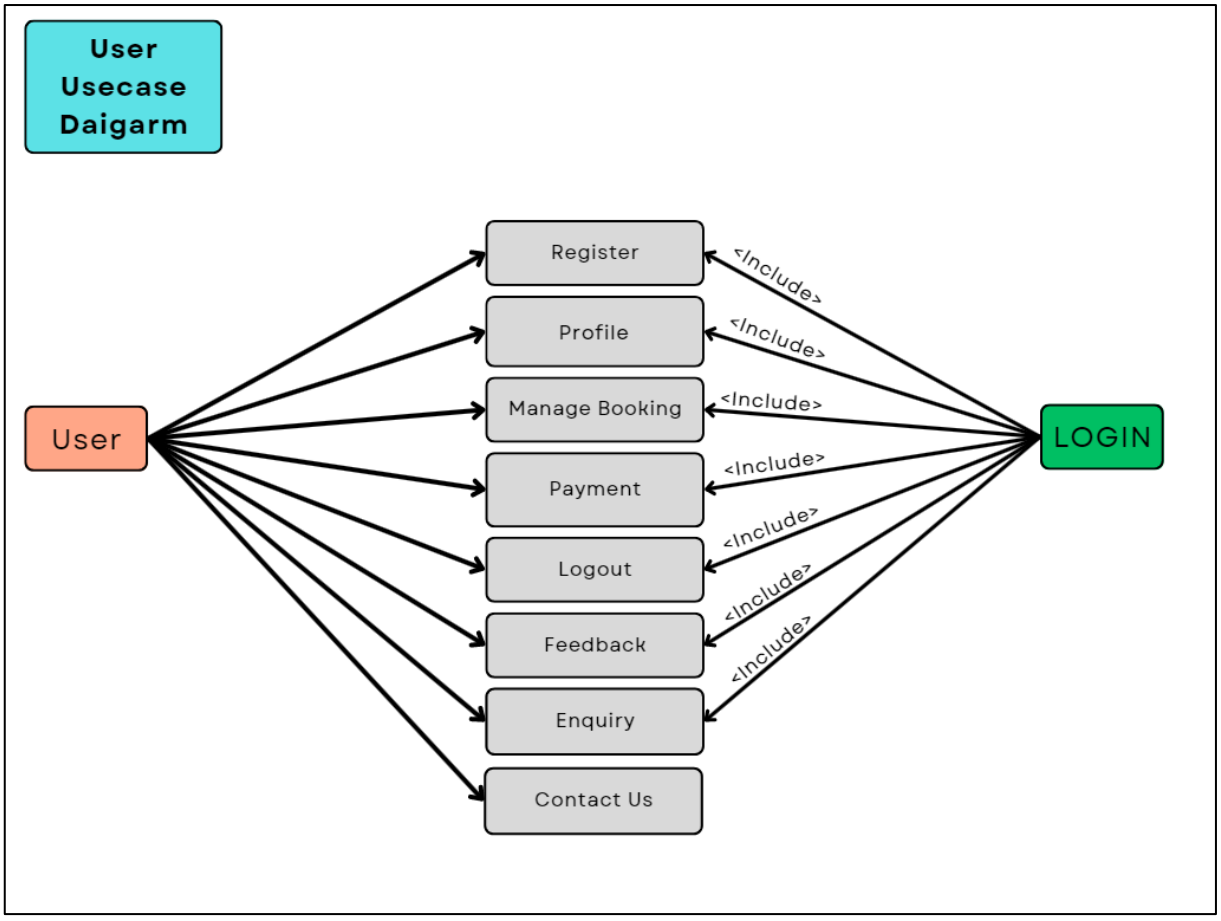
- Registration
- View all client-side Layout

5.1.1 Entity Relationship Diagram

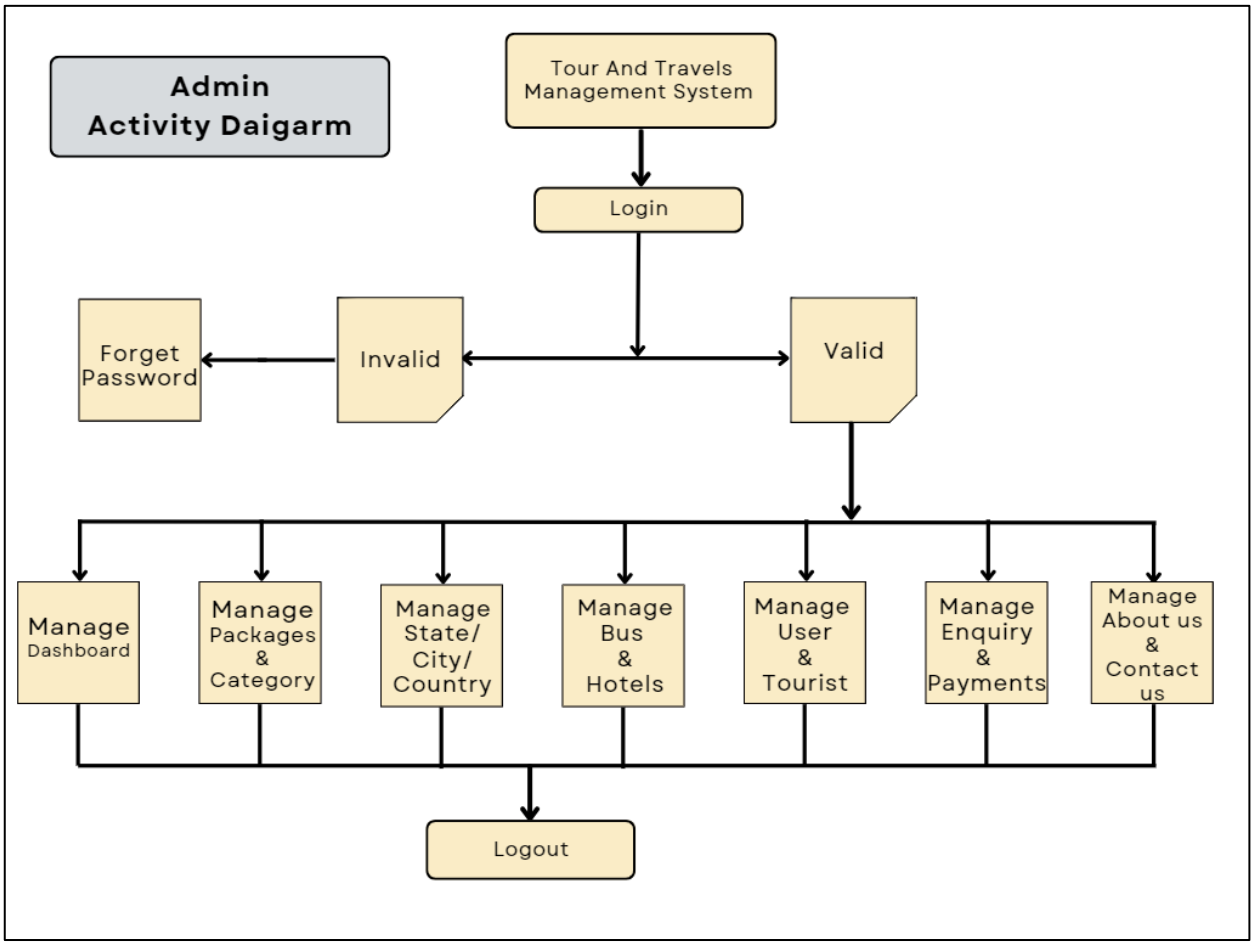


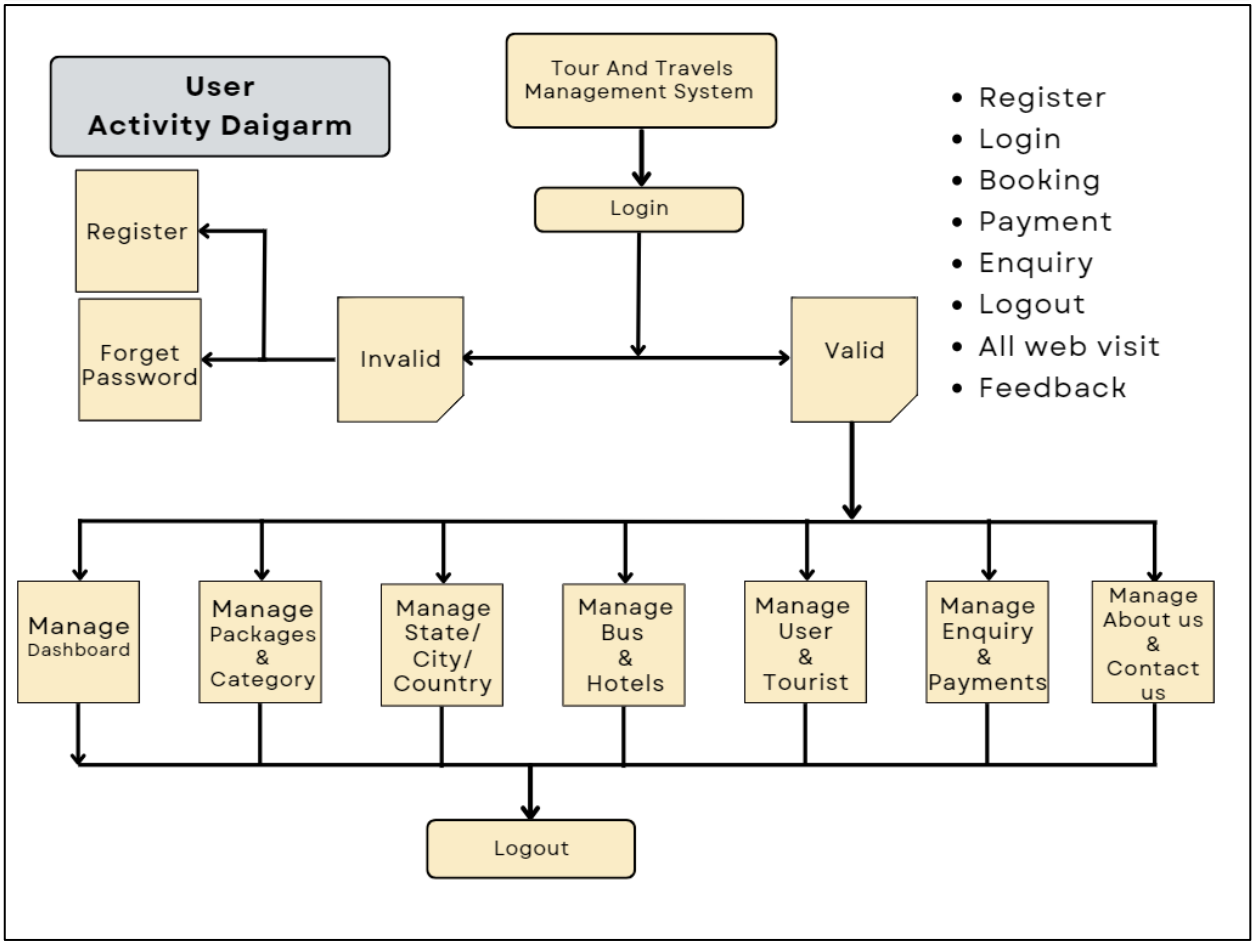
5.1.2 Use Case Diagram



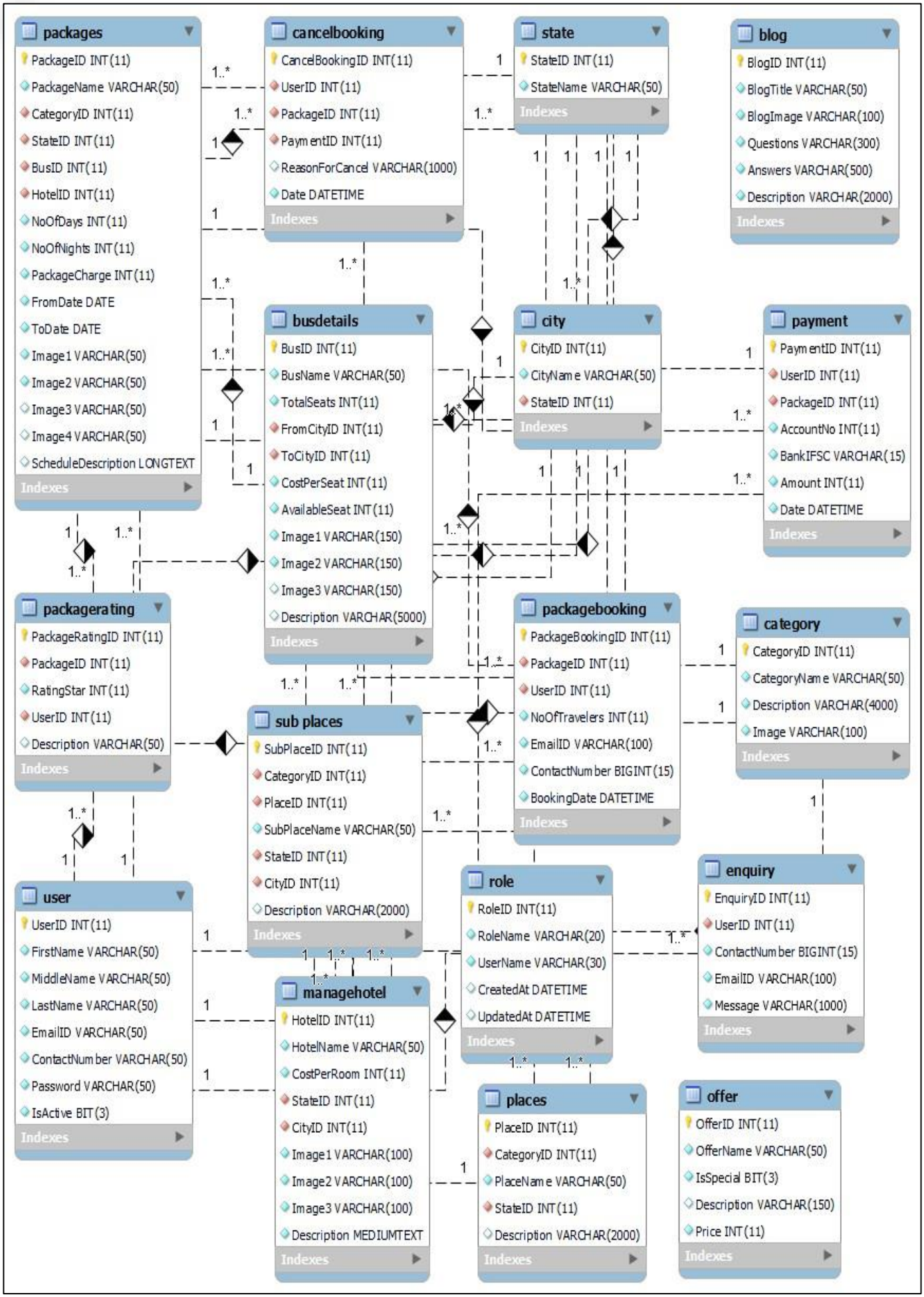


5.1.3 Activity Diagram

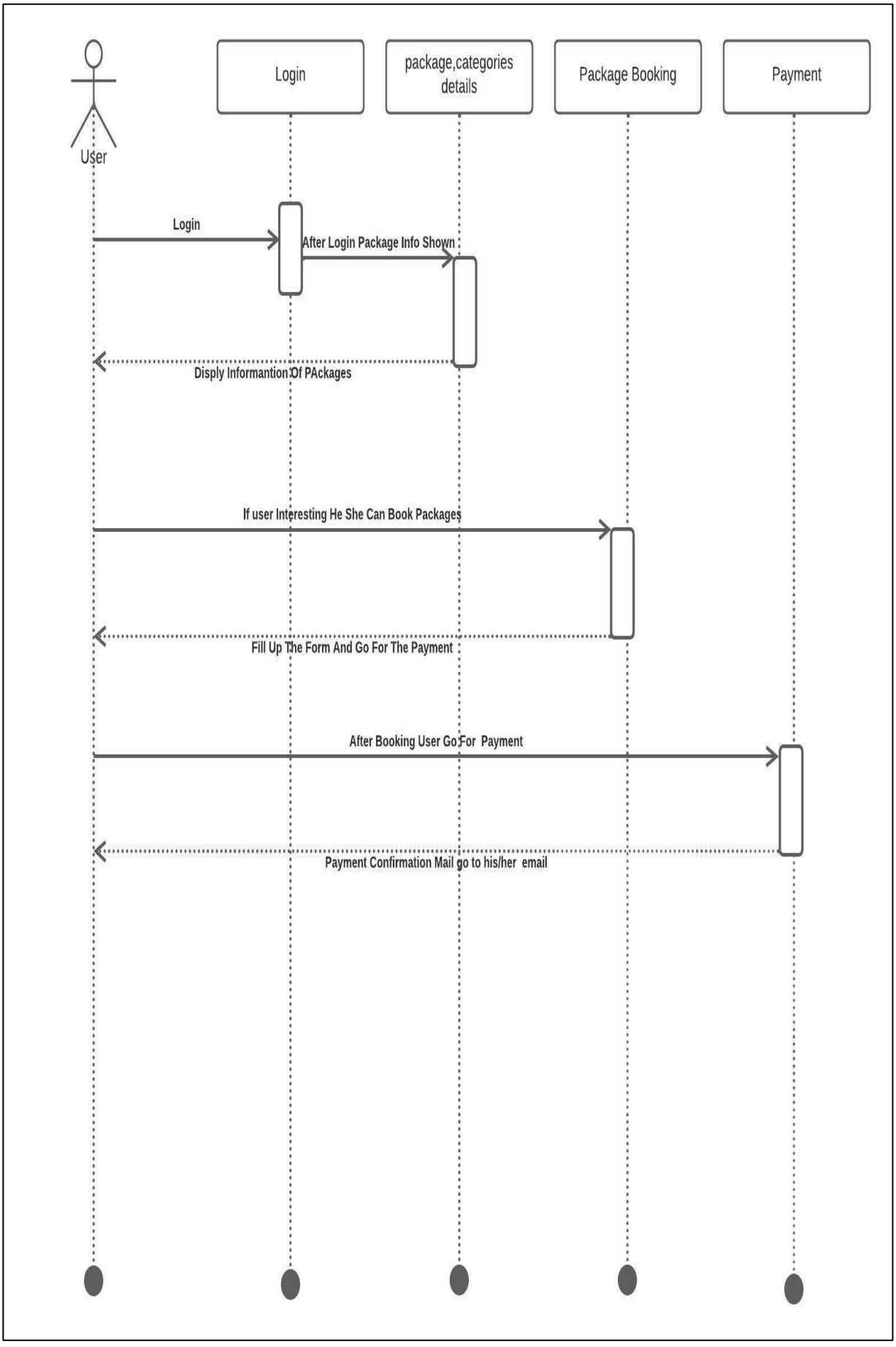




5.1.4 Class Diagram



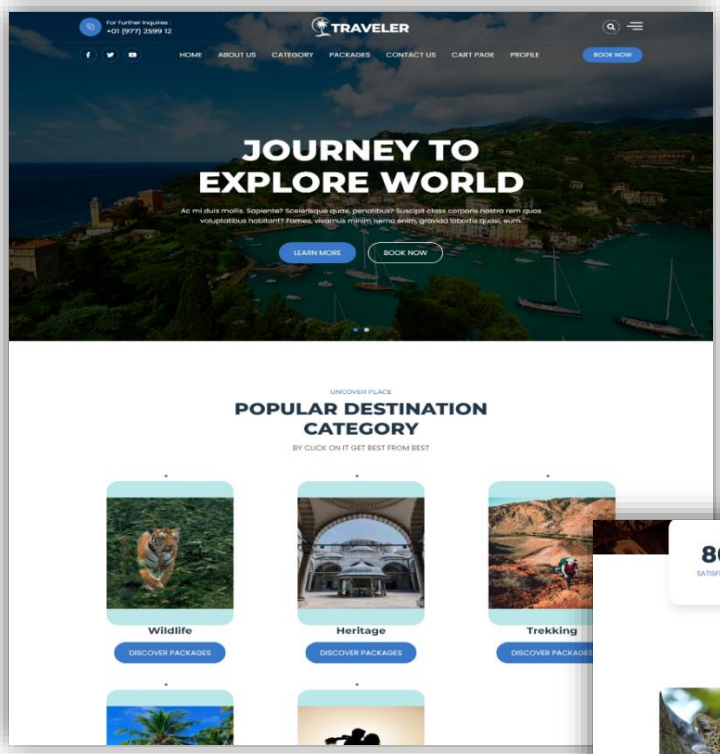
5.1.5 Sequence Diagram

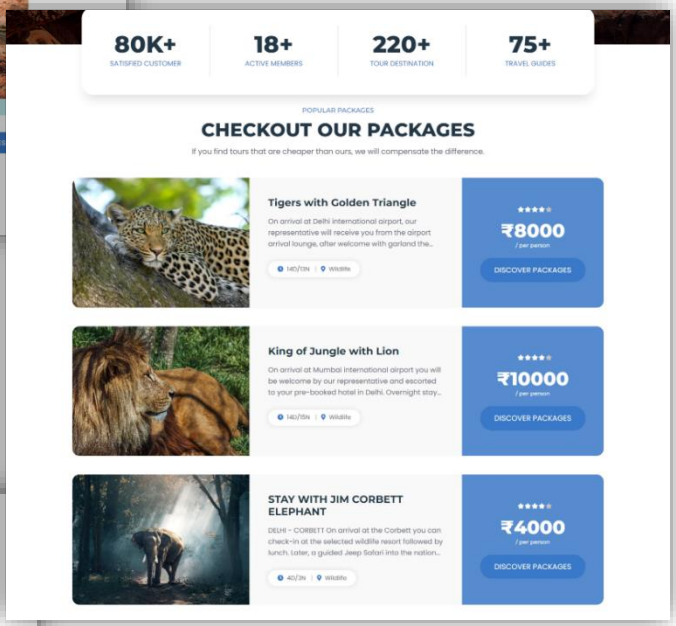


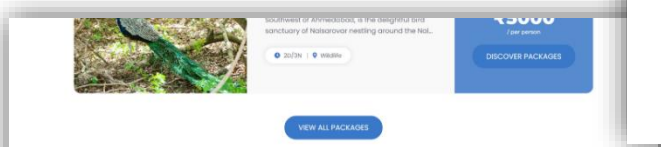
6. Future Enhancements

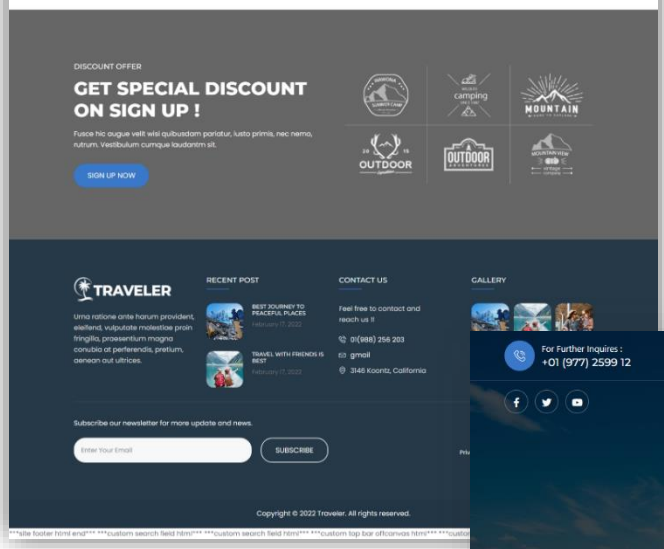
- In the future, we will try to return the refundable amount on their cancellation of their bookings.
- We will provide the map service, according to the map you can search the places.
- The message system is not supported yet for the user.
- Refundable amount is not provided on cancel bookings.

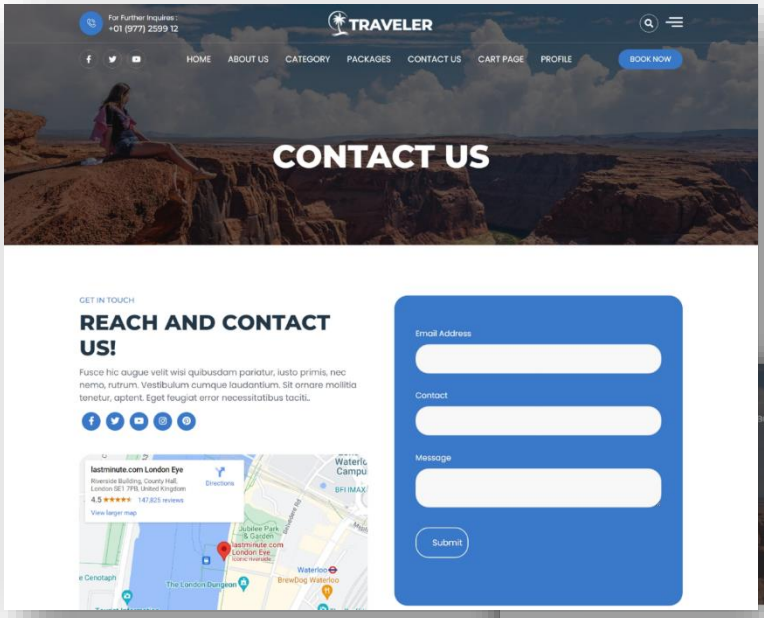
7. Interface Design







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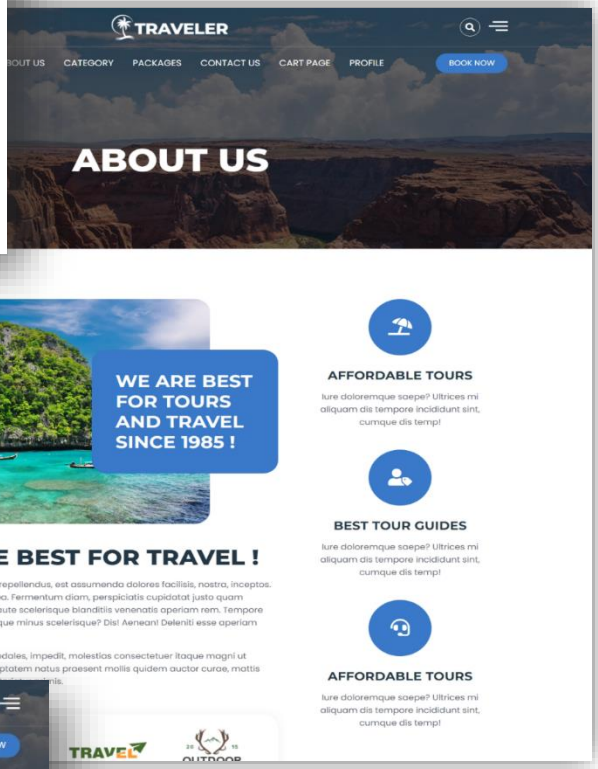
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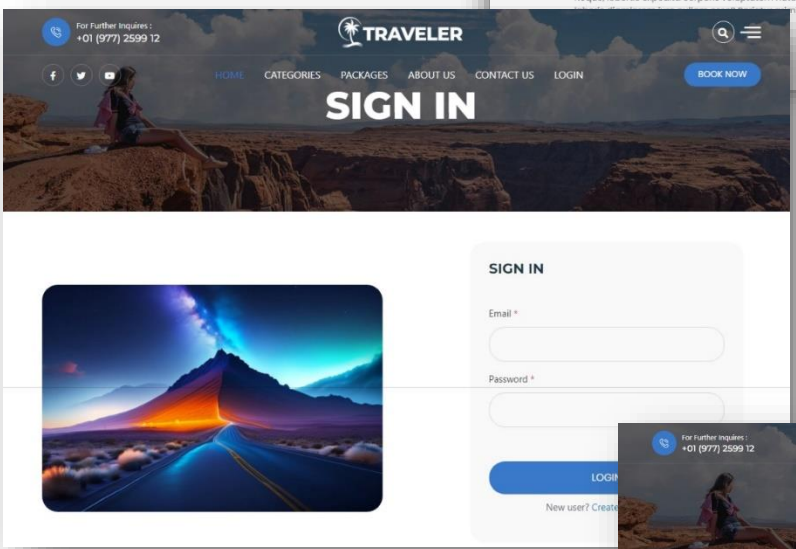
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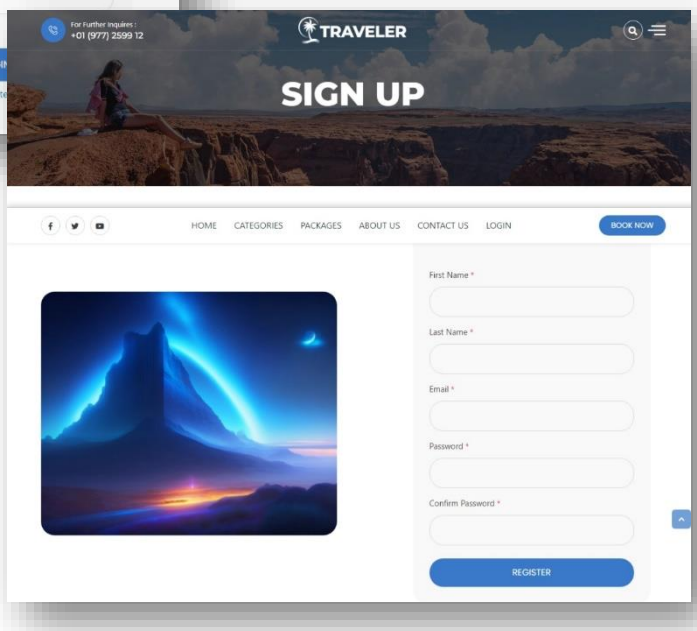
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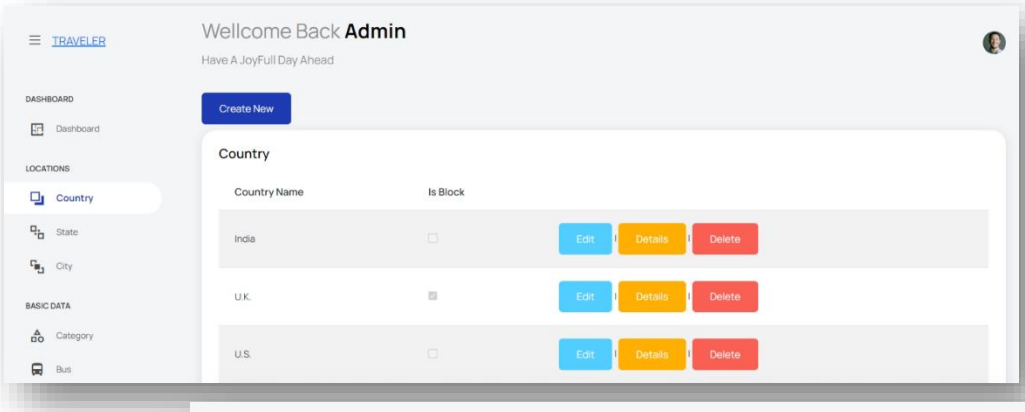
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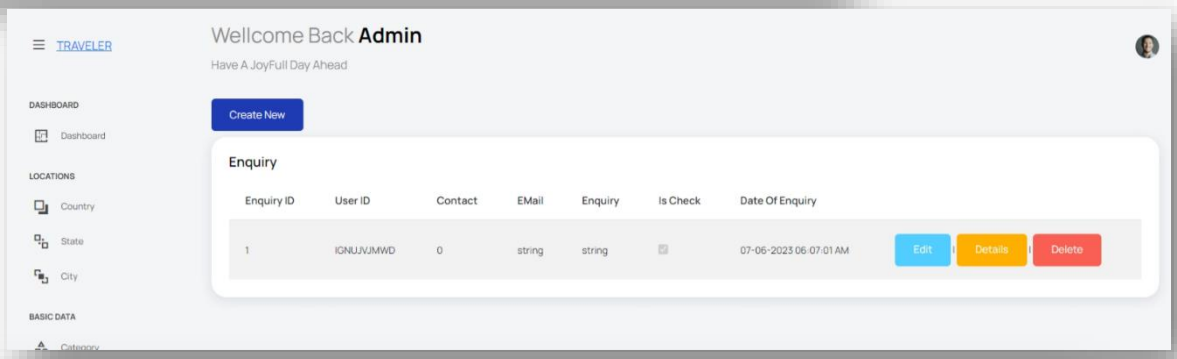
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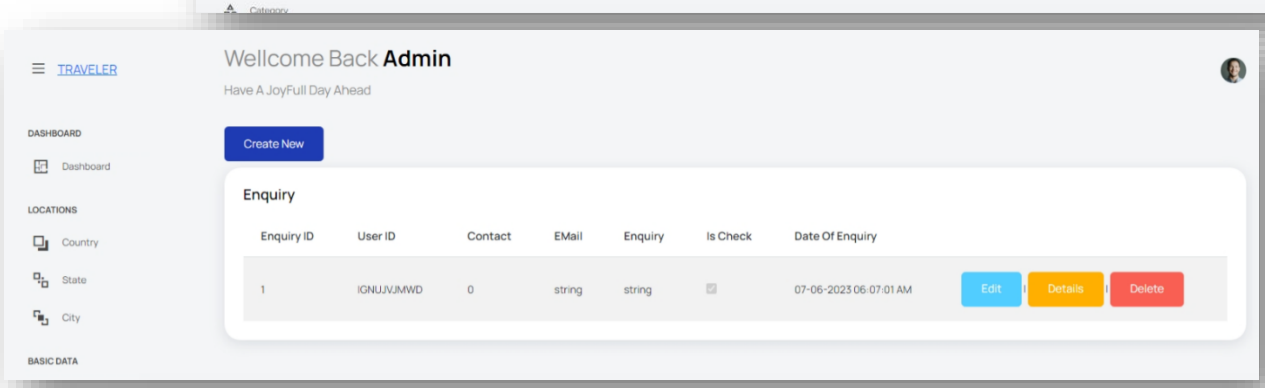
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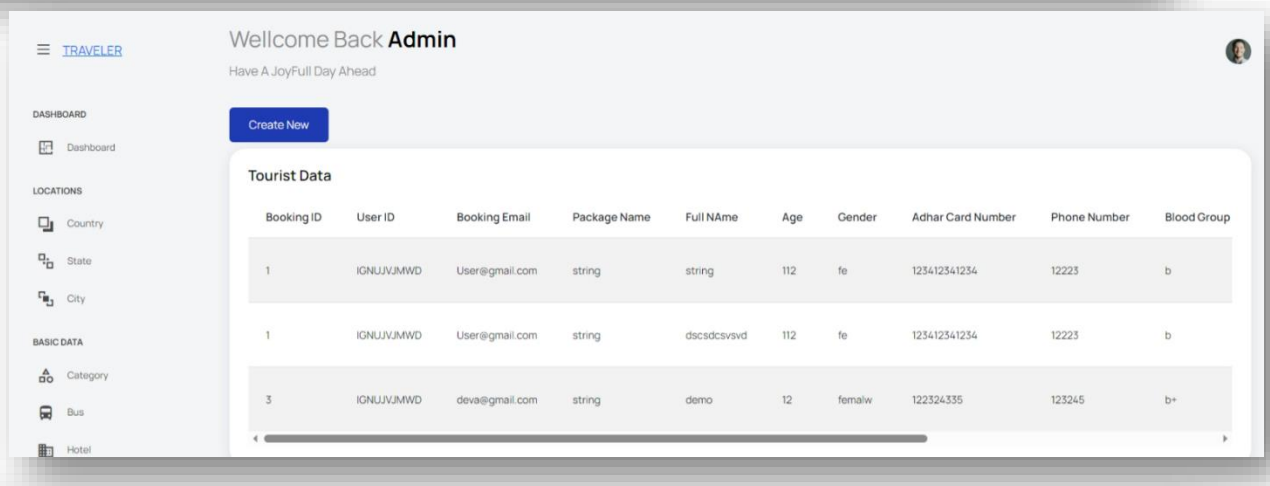
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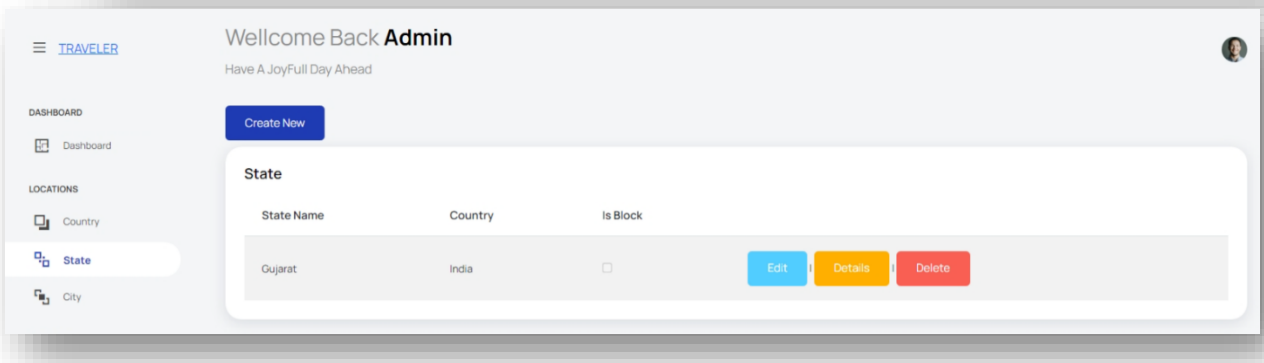
b
3
IGNUJVJMWD
deva@gmail.com
string
demo
12
femalw
122324335
123245
b+


TRAVELER
Wellcome Back Admin
Have A JoyFull Day Ahead
DASHBOARD
Dashboard
LOCATIONS
Country
State
City
Create New
State
State Name
Country
Is Block
Gujarat
India
Edit
Details
Delete

8. Testing

TEST CASE ID	DESCIPTION	INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	STATUS
Case 1.1: Case 1.2:	User Login	1.Username 2.Password	Appropriate message for invalid user Valid user should be redirected to intended page after logging	Message generated for invalid user Directed to intended page after logging	Unsuccessful Successful
Case 2: Case 2.1: Case 2.2:	User Home Page	Select the option to proceed Display the latest arrival Display proper layout for listing all properties	Test case would open the appropriate page as per option selected by user Test case would show the appropriate Packages , Hotels , Transportation Test case would redirect the user to intended page	Displays desired page Display proper Package , Hotel , Transportation Redirect to intended page after clicking button	Successful Successful Successful

Case 3:	Package Module	Fill the details to proceed	Appropriate message for invalid details Appropriate message and relatable packages will be shown	Message generated for invalid details Display proper package.	Unsuccessful Successful
Case 4: Case 4.1: Case 4.2:	Details Page	Details of specific package Booking form Payment	Test case would open appropriate page with the details of that hotel. Test case would open appropriate page for book	Details are generated Page is directed Page is	Successful Successful Successful
Case 5:		process	the package Test case would open appropriate page for payment	redirected	Successful

9. Bibliography

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- **https://learn.microsoft.com/en-us/dotnet/api/?view=efcore-7.0&preserve-view=true**