School of Computer Science and Engineering (SCOPE)

BCSE301P – SOFTWARE ENGINEERING LAB

PROJECT ON TRAVEL AND TOURISM MANAGEMENT SYSTEM

WEB APPLICATION

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INTRODUCTION

The main objective of the Tourism Management System is to manage the details of Customer, Hotel Booking, Cancellation and Tourism places. It manages all the information about Users, Hotel, Packages etc. The project is totally built at administrative end and thus only the administrator is guaranteed the access to the backend database. The purpose of this project is to build an application program to reduce the manual work for managing Tourists, Booking, Places etc.

This application will help in accessing the information related to the travel to the particular destination with great ease. The users can track the information related to their tours with great ease through this application. The travel agency information can also be obtained through this application. Through this system, the propose system is highly automated and makes the travelling activities much easier and flexible.

The user can get the very right information at the very right time. This system will include all the necessary fields which are required during online reservation time. This system will be easy to use and can be used by any person. The basic idea behind this project is to save data in a central database which can be accessed by any authorize person to get information and saves time and burden which are being faced by their customers.

Administrator can access and modify the information stored in the database of this system, this includes adding and updating of details, and it will give accurate information and simplifies manual work and also it minimizes the documentation related work. Provides up to date information. Finally booking confirmation notification will be send to the users. Tourists can register by providing personal details, make new reservation and book only one hotel and package and can make cancellation.

SCOPE OF THE PROJECT

A trip operation system (TMS) is a comprehensive software result designed to streamline and automate colourful aspects of trip planning, booking, and expenditure operation. It's generally used by associations, trip agencies, and commercial trip departments to grease effective trip arrangements for workers, guests, or other stakeholders.

The primary thing of a trip operation system is to simplify the entire trip process, from trip planning to expense reporting, while icing compliance with company programs and maximizing cost savings. The system integrates colourful functionalities and modules to give a centralized platform for managing all trip- related conditioning.

Then are some crucial factors and features generally set up in a trip operation system

Travel Policy Compliance: It applies company trip programs, icing that workers cleave to guidelines related to favoured merchandisers, reserving restrictions, trip classes, and expenditure limits. Policy compliance checks help control costs and maintain thickness.

Hotel booking

Tour packages

Travel itinerary management

Expenses

Login and forget password

Existing machine:

- Within the present device a consumer has to approach diverse organizations to locate details of places and to eBook tickets.
- This often calls for plenty of time and effort.
- A patron won't get the desired statistics from these offices and often the consumer can be erroneous.
- It's far tedious for a customer to devise a particular adventure and feature it carried out properly.

Proposed machine:

- The proposed gadget is a web based totally software and maintains a centralized repository of all related records.
- The machine allows one to easily access the relevant facts and make essential tour arrangements.
- Users can determine approximately locations they want to go to and make bookings on line for travel and lodging.

Study of the device:

To offer flexibility to the users, the interfaces have been evolved which can be reachable through a browser. The GUI'S on the pinnacle stage had been labelled as

1. Administrative person interface
2. The operational or everyday consumer interface

The 'administrative user interface' concentrates on the constant records that are practically, part of the organizational activities and which needs right authentication for the statistics series. Those interfaces help the directors with all of the transactional states like data insertion; facts deletion and Date updating along with the sizable facts seek abilities.

The 'operational or universal user interface' facilitates the end users of the device in transactions thru the prevailing records and required services. The operational consumer interface additionally

FEASIBILITY STUDY:

Preliminary investigation examines undertaking feasibility; the likelihood the device might be beneficial to the organisation. The main goal of the feasibility observe is to test the Technical, Operational and within your budget feasibility for adding new modules and debugging antique going for walks system. All systems are feasible if they are given unlimited sources and countless time. There are aspects inside the feasibility study part of the preliminary investigation:

• Technical Feasibility

• Operation Feasibility

• Low-cost Feasibility

TECHNICAL FEASIBILITY:

The technical problem normally raised throughout the feasibility degree of the research includes the following:

• Does the necessary technology exist to do what is recommended?

• Do the proposed equipment's have the technical capacity to keep the statistics required to apply the brand new gadget?

• Will the proposed device provide adequate reaction to inquiries, irrespective of the quantity or area of customers?

- Can the machine be upgraded if developed?

- Are there technical ensures of accuracy, reliability, ease of get entry to and data safety?

OPERATIONAL FEASIBILITY:

Proposed projects are beneficial most effective if they can be grew to become out into records systems, on the way to meet the enterprise's running necessities. Operational feasibility factors of the undertaking are to be taken as an essential a part of the task implementation. Some of the critical troubles raised are to check the operational feasibility of a challenge includes the subsequent: -

- Is there enough help for the control from the customers?

- Will the device be used and work properly if it's far being developed and carried out?

- Will there be any resistance from the user so that it will undermine the viable software advantages?

This system is centred to be according with the above-mentioned troubles. Ahead, the management problems and person requirements had been taken into consideration. So there's no doubt of resistance from the users which could undermine the viable application benefits.

The nicely-planned layout could make certain the optimal usage of the laptop assets and might help inside the development of overall performance repute.

FINANCIAL FEASIBILITY:

A machine may be developed technically and so as to be used if established should still be a terrific funding for the corporation. In the reasonable feasibility, the improvement price in creating the gadget is evaluated towards the last gain derived from the

new systems. Financial blessings ought to same or exceed the charges. The system is economically feasible. It does no longer require any additional hardware or software.

Practical requirements:

Variety of Modules

After cautious analysis the gadget has been identified to have the following modules:

1. Administrator module
2. Travels module
3. Routes module
4. Reservations module
5. Testimonials module

1. ADMINISTRATOR MODULE:

This module affords administrator associated capability. Administrator manages all statistics mission to rights to feature, delete, edit and look at the information associated with places, travels, routes, bookings, eating places and so forth.

2. TRAVELS MODULE:

This module provides the details of diverse journey businesses. A person can pick the proper company relying on comfort and accessibility.

3. ROUTES MODULE:

This module offers information related to diverse routes connecting assets and locations. For each course, facts consisting of supply, destination, fare, reservation info, select up factors and so forth are provides. Simplest administrator can add, delete, edit and manipulate the facts. Customers can simplest view the information.

4.   RESERVATIONS MODULE:

This module provides functionalities that permit a consumer to e book tickets or cancel previously booked tickets. The module continues the info of all reservations made to date and lets in administrator to both confirm and reject the bookings.

5.   TESTIMONIALS MODULE:

Users of this utility can put up their critiques, court cases and hints concerning this portal and services to the administrator. For this reason, the administrator can take numerous steps to behave on the lawsuits and pointers.

Analysis and Identification of the suitable process model (Gantt Chart)

Gantt Chart for "Trip Planner" and identify the suitable process model

The Gantt chart is designed for planning the time line of various activities for the project "Trip Planner" and suitable process model is identified.
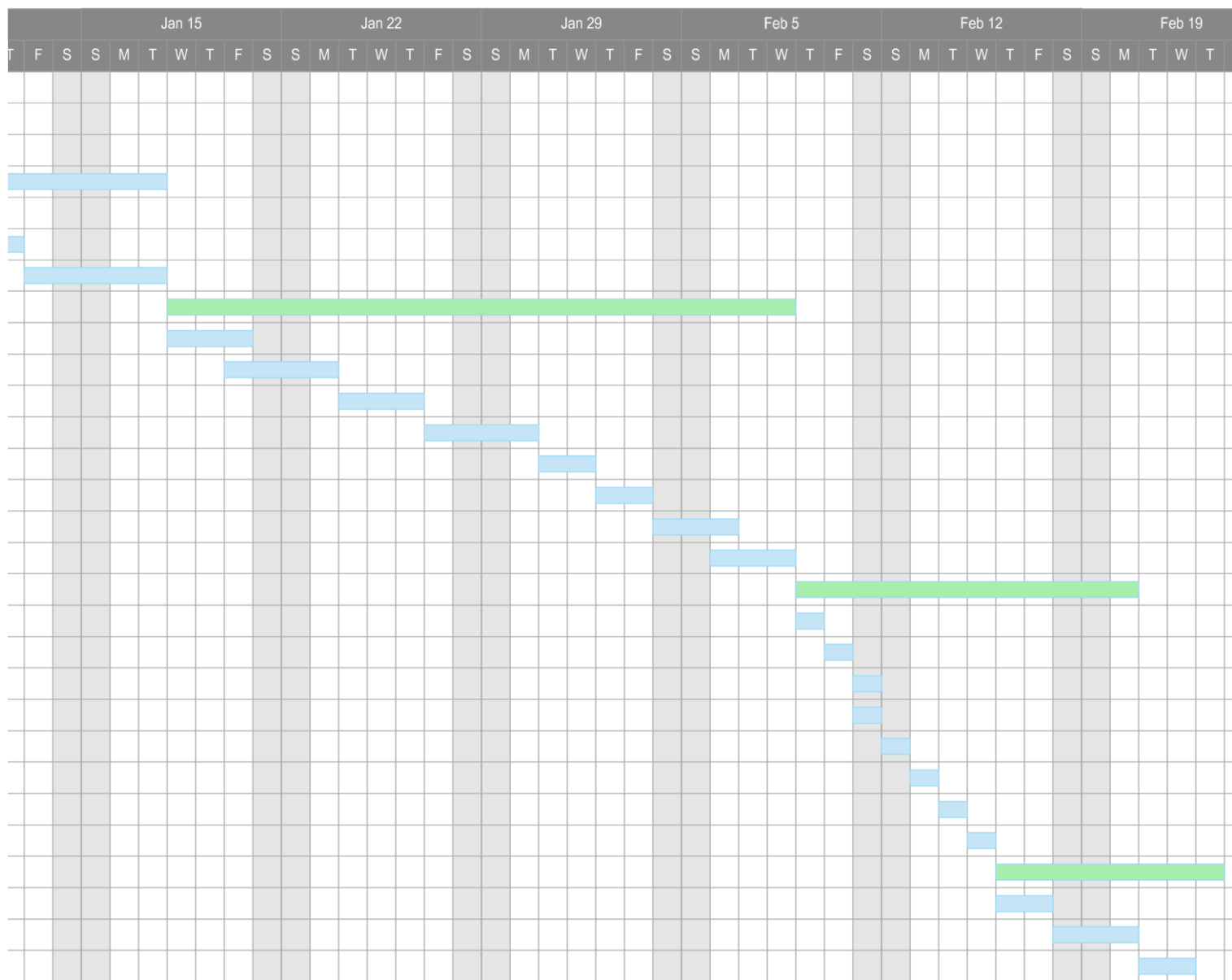
TRIP PLANNER

smartsheet

	Task Name				Jan 1								Jan 8		
		S	M	T	W	T	F	S	S	M	T	W			
1	Planning														
2	a)time-number of hours needed to complete a task														
3	b)budget-process of predicting the effort required to develop a software system														
4	Requirement Analysis														
5	a)requirement collection-identifying your project's exact requirements from start to finish														
6	b)requirement analysis-determines the needs and expectations of a new product.														
7	c)SRS document-describes what the software will do and how it will be expected to perform														
8	Modelling and Design/UML diagram														
9	a)User case diagram														
10	b)Class diagram														
	c)Introduction diagram														
12	d)Activity diagram														
13	e)State chart														
14	f)Component diagram														
15	g)Deployment diagram														
16	Coding/Implementation														
17	a)flight/train/bus tickets-book cheapest tickets available according to user's requirements														
18	b)cab/taxi service-book comfortable and affordable taxi to move around the place														
19	c)hotel-book hotel at great rates														
20	d)food-best restaurants near the hotel														
	e)tour guide-guides and takes you to the best tourist spots														
22	f)trip budget-according to user														
23	g)top places to visit														
24	h) itinerary-proper planning for every day of the trip														
25	Testing														
26	a)unit testing-testing the smallest testable unit of an application														
27	b)Integration testing-different units, modules or components of a software application are tested as a combined entity														
28	c)System testing-evaluates how the various components of an application interact together in the full, integrated system or application														
29	Deployment														

F	S	S	M	T	W	T		S	S	M	T	W	T		S
				Feb 26							Mar 5				

	Task Name	Jan 1							Jan 8			
		S	M	T	W	T	F	S	S	M	T	W
30	a)Alpha testing-validates whether a new product will perform as expected											
31	b)Beta testing-sample of the intended audience tries the product out											
32	Maintainence-process of changing, modifying, and updating software to keep up with customer needs											
33	Support-technical support or break/fix services that are delivered for specific software products											

	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T
				Jan 15							Jan 22							Jan 29							Feb 5							Feb 12							Feb 19				

	Feb 26							Mar 5						
F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S

Identification of suitable process model

RAD (rapid application development) model can be used in this case as:

- It offers improved flexibility as developers can adapt to required changes and incorporate new functionalities and features during the build process.
- You can create quick iterations that cut down time frames to make your delivery process a lot more streamlined.
- It is dependent on customer collaboration satisfying every stakeholder such as users, developers, and clients.
- It offers enhanced risk management solutions because code vulnerabilities are fixed before the final release.
- You can carry out integrations at the initial stages and reuse code at any point, which results in a shorter testing time.
- Fast reviews can be carried out, and hence you achieve more productivity with fewer people.

-

Prototyping model can also be used in this case as:

- Reduce the risk of incorrect user requirement
- Good where requirements are changing/uncommitted
- Regular visible process aids management
- Support early product marketing ☐ Reduce Maintenance cost.
- Errors can be detected much earlier as the system is made side by side.

Software Requirements Specification for

Trip Planner

Table of Contents

1. Introduction

1.1 Purpose

This document describes the nature of the project/ application "Trip Planner". This includes the purpose, scope, functional and nonfunctional requirements, software and hardware requirements of the project. In addition to this, it also contains the information about environmental conditions required, safety and security requirements and software quality attributes of the project. The purpose of this document is to help clients make travel arrangements.

1.2 Document Conventions

This document uses the following conventions.

Highlighted text	Important features
DB	Database
HW	Hardware
SW	Software
DDB	Distributed Database

1.3 Intended Audience and Reading Suggestions

This project is a prototype for Trip Management System. The document is intended for, travelers, developers, project managers, marketing staff, users, testers, and documentation writers. This document begins with the purpose, followed by the document conventions, intended audience, reading suggestions, product scope and references. It also contains the overall description of the product, external interface requirements, system features and other nonfunctional requirements.

1.4 Product Scope

The purpose of this project is to help clients make travel arrangements. From making reservations, booking flights and arranging transport, this application lets travelers book easily, explore new destinations and provide customized support features. One important reason to build this application is to that it allows you to budget for all aspects of your trip.

1.5 References

- https://www.w3schools.com

- https://www.javatpoint.com

- https://www.codecademy.com

- https://www.stackoverflow.com

- https://youtu.be/5vzCjvUwMXg

2. Overall Description

2.1 Product Perspective

This Trip Planning application stores the following information.
- *Flight/Train/Bus Details: It includes the originating and destination cities along with the stops in between, the number of seats booked, date and time of travel etc.*
- *Customer description: It includes customer code, name, address and phone number. This information may be used for keeping the records of the customer for any emergency or for any other kind of information.*
- *Reservation description: It includes customer details, code number, flight number, date of booking, date of travel, hotel booking etc.*

2.2 Product Functions

- *Login*
- *Registration*
- *Date Of Travel*
- *Originating and Destination cities*
- *Hotel type*
- *Taxi*

2.3 User Classes and Characteristics

Users of the system should be able to retrieve all trip related information required by them including reservation bills, accommodation, and taxi details etc. The system will support two types of user privileges, Customer, and Employee. Customers will have access to customer functions, and the employees will have access to both customer and trip management functions.

2.4 Operating Environment

Operating environment for the Trip Management System is as listed below.
- *Distributed database* ▪ *Client/server system*
- *Operating system: Windows.*
- *Database: sql+ database*
- *Platform: Python*

2.5 Design and Implementation Constraints

1)User Experience (UX): A trip planner website must have a user-friendly interface that allows users to easily navigate through the site. The website must provide users with clear instructions on how to use the site and access the features they need.

2) Integration with third-party services: A trip planner website may need to integrate with third party services such as hotel booking sites, transportation providers, and attraction ticket vendors. Integration with these services may require the use of APIs and may incur additional costs.

3) Performance: The website must be optimized for performance to provide users with a fast and responsive experience. This may require the use of caching, content delivery networks (CDNs), and other optimization techniques.

4) Budget: The design and implementation of a trip planner website can be expensive. The project must be scoped and budgeted appropriately to ensure that the website meets the desired requirements while staying within the available resources.

2.6 User Documentation

1)User Guide: A comprehensive guide on how to use the website, including step-by-step instructions on how to search, book, and manage trips.

2)Frequently Asked Questions (FAQs): A list of common questions and answers that users may have about the website's features, services, and policies.

3)Tutorials: Video or written guides that show users how to perform specific tasks on the website, such as how to use the search filters or how to book a hotel.
4)User Reviews: A section where users can leave feedback and reviews about their experiences using the website, which can help other users make informed decisions.

5)Contact Information: Information on how to contact customer support, including email, phone, and chat support options.

2.7 Assumptions and Dependencies

Assumptions:

- *Users have access to a device with an internet connection and a web browser.*
- *Users have a basic understanding of how to use a web browser and navigate websites.*
- *Users are interested in planning a trip or travel itinerary.*

- *Users will provide accurate and complete information about their travel preferences, such as destination, dates, budget, and activities.*

Dependencies:

- *Accurate and up-to-date information about destinations, including transportation options, lodging, and attractions.*
- *Integration with third-party services such as airline and hotel booking systems, mapping and navigation tools, and review sites.*
- *A secure and reliable server and hosting platform to ensure the website is available and accessible to users.*
- *Ongoing maintenance and updates to ensure the website remains functional and relevant to users.*

3. External Interface Requirements

3.1 User Interfaces

The user interface for the software shall be compatible to any browser such as Internet Explorer, Mozilla or Netscape Navigator by which user can access to the system.

The user interface shall be implemented using any tool or software package like Java Applet, MS Front Page, EJB etc.

3.2 Hardware Interfaces

Since the application must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN – LAN, Ethernet Cross-Cable.

3.3 Software Interfaces

Software used	Description
Operating system	We have chosen Windows operating system for its best support and user-friendliness.
Database	To save the flight records, passengers records we have chosen Python database.
VB.net	To implement the project we have chosen Vb.Net language for its more interactive support.

3.4 Communications Interfaces

The system shall use the HTTP protocol for communication over the internet and for the intranet communication will be through TCP/IP protocol suite.
This project supports all types of web browsers. We are using simple electronic forms for the reservation forms, ticket booking etc.

3.5 REQUIREMENTS SPECIFICATION

3.5.1 SOFTWARE SPECIFICATION • Operating system: Microsoft windows 10. • Integrated Development Environment: Netbeans • MySQL Command Line Client • Programming language: JAVA, VSCode, Atom

3.5.2HARDWARE SPECIFICATION • System type: 64-bit Operating System, x64-bassed processor. • Installed memory (RAM):8.00 GB (7.43 GB Usable) • Total size of Hard disk: 1 TB

4. System Features

User Registration and Login: The website should allow users to create an account, and once they have an account, they should be able to login with their credentials.

Trip Creation: Users should be able to create a trip by specifying the destination, travel dates, number of travelers, and other relevant details.

Itinerary Creation: Once the trip has been created, users should be able to create an itinerary by adding activities and accommodations for each day of the trip.

Travel Recommendations: The website should provide users with recommendations for activities and accommodations based on their destination, travel dates, and other preferences.

Booking Integration: The website should integrate with booking systems to allow users to book flights, hotels, and other activities directly through the site.

Maps and Directions: The website should provide users with maps and directions for their trip, including directions to activities and accommodations.

Budgeting and Expense Tracking: The website should allow users to create a budget for their trip and track their expenses.

Social Sharing: The website should allow users to share their trip itinerary and experiences with friends and family on social media.

User Reviews and Ratings: The website should allow users to leave reviews and ratings for activities and accommodations to help other users plan their trips.

Personalization: The website should provide personalized recommendations based on the user's travel history, preferences, and other data.

4.1 Destination Research

The website should provide detailed information about different travel destinations such as attractions, activities, local culture, weather, and travel advisories.

4.2 Flight and hotel booking

The website should have a feature that allows users to search and book flights, hotels, and other accommodations based on their travel itinerary and preferences.

4.3 Itinerary builder

The website should have an itinerary builder that allows users to plan and organize their travel schedule, including activities, tours, and transportation.

4.4 Customization options

The website should allow users to customize their travel itinerary according to their interests, preferences, and budget.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

Speed: The website should load quickly, with pages and search results appearing in under 3 seconds. Slow loading times can lead to user frustration and a higher bounce rate.

Responsiveness: The website should be responsive and able to adapt to different screen sizes and devices. This will ensure that users can access the site from their desktop computers, tablets, and mobile devices.

Availability: The website should be available 24/7 and not experience downtime. This will ensure that users can access the site whenever they need to and not be deterred by outages.

Scalability: The website should be able to handle large volumes of traffic during peak periods without slowing down or crashing. This will ensure that users can access the site even during busy periods.

Security: The website should be secure, with measures in place to protect user data and prevent unauthorized access. This will ensure that users can trust the site with their personal information.

Usability: The website should be easy to navigate and use, with clear and concise instructions and user-friendly interfaces. This will ensure that users can quickly find what they need and complete their tasks without frustration.

SEO: The website should be optimized for search engines to ensure that it appears high in search results for relevant keywords. This will ensure that users can find the site easily and increase traffic.

5.2 Safety Requirements

Secure user data: Ensure that user data is stored securely and that all communication between your website and users is encrypted. Implement secure login and registration processes, and regularly update security measures to protect against data breaches.

Privacy policy: Publish a clear and concise privacy policy that outlines how user data will be collected, used, and protected. Ensure that users can easily access and understand this policy.

Safe payment processing: If your website offers payment processing, ensure that it is secure and meets industry standards for online payments. Consider partnering with a trusted payment processing provider to ensure that users' financial data is protected.

Safety information: Provide safety information relevant to the destinations and activities that your website promotes. This may include information about local laws, customs, health and safety concerns, and travel advisories.

User-generated content moderation: If your website allows user-generated content such as reviews or comments, implement moderation processes to ensure that inappropriate or offensive content is not published.

Mobile-friendly: Ensure that your website is mobile-friendly and responsive, so that users can access information and services from any device.

Accessibility: Ensure that your website meets accessibility standards so that users with disabilities can easily access information and services.

5.3 Security Requirements

Secure user authentication: The website should require strong passwords, enforce password complexity requirements, and implement two-factor authentication to protect user accounts from unauthorized access.

Encryption: All sensitive data transmitted between the user's browser and the website's servers should be encrypted using SSL/TLS encryption. This includes login credentials, personal information, and payment details.

Secure payment processing: The website should use secure payment gateways that comply with PCI DSS standards to ensure the safety of payment information.

Data privacy: The website should clearly communicate its data privacy policy and adhere to applicable data protection laws, such as GDPR.

Regular security audits and updates: The website should undergo regular security audits and updates to address vulnerabilities and ensure that security measures are up-to-date.

Malware and virus protection: The website should have anti-malware and anti-virus software in place to detect and prevent security threats.

Access control: The website should restrict access to sensitive information and administrative functions to authorized personnel only.

Backup and disaster recovery: The website should have backup and disaster recovery procedures in place to ensure that data is recoverable in the event of a security breach or system failure.

User awareness: The website should provide clear guidelines for users on how to protect their personal information, such as advising them not to use public Wi-Fi when accessing the website or to avoid clicking on suspicious links.

5.4 Software Quality Attributes

Usability: A trip planner website should be easy to use, with intuitive navigation and clear instructions. Users should be able to find the information they need quickly and easily.

Reliability: A trip planner website should be reliable, with minimal downtime and fast response times. Users should be able to rely on the website to provide accurate and up-to-date information.

Security: A trip planner website should be secure, with appropriate measures in place to protect users' personal and financial information. This includes using SSL encryption, secure login procedures, and regular security updates.

Performance: A trip planner website should have good performance, with fast page load times and minimal lag. Users should be able to quickly access information and complete transactions without experiencing delays.

Scalability: A trip planner website should be scalable, with the ability to handle large volumes of traffic during peak periods. This includes having sufficient server resources and load balancing capabilities.

Maintainability: A trip planner website should be maintainable, with easy-to-use administrative tools and clear documentation. This makes it easier for developers to maintain and update the website over time.

Accessibility: A trip planner website should be accessible to users with disabilities, with features such as alternative text for images, keyboard navigation, and high contrast options.

5.5 Business Rules

User-centric design: The website should be designed with the user in mind, focusing on their needs and preferences. The website should be easy to use, with a simple and intuitive interface that allows users to find the information they need quickly.

Clear and concise information: The website should provide clear and concise information about destinations, attractions, accommodations, and transportation options. The information should be accurate and up-to-date, with useful insights and recommendations from travel experts.

Personalization: The website should allow users to personalize their trip plans, based on their interests, budget, and travel style. The website should provide customized recommendations and itineraries, based on the user's preferences and past travel experiences.

Seamless booking process: The website should provide a seamless booking process, with easy-to-use tools for searching and booking flights, hotels, and activities. The website should also provide secure payment options and a clear cancellation policy.

Social and community features: The website should provide social and community features, such as user reviews, ratings, and recommendations. Users should be able to share their travel experiences and connect with other travelers.

Mobile responsiveness: The website should be mobile-responsive, with a design that adapts to different screen sizes and resolutions. Users should be able to access the website and plan their trips on-the-go, using their smartphones or tablets.

Data privacy and security: The website should prioritize data privacy and security, with robust measures in place to protect user information. The website should comply with applicable data protection laws and regulations, and should implement industry-standard security protocols and practices.

6. Other Requirements

Data Protection Laws: Depending on the jurisdiction in which your website operates, you may be subject to data protection laws, such as the General Data Protection Regulation (GDPR) in the European Union or the California Consumer Privacy Act (CCPA) in the United States. These laws govern how personal data must be collected, used, and protected, and they may require you to obtain user consent for certain types of data processing.

Security: You have a legal obligation to protect the data you collect from unauthorized access or theft. This means you must implement appropriate security measures to protect against data breaches or other cyber attacks.

Privacy Policy: You should have a clear and comprehensive privacy policy that outlines what data you collect, how you use it, and how you protect it. Your privacy policy should be easily accessible to users and should be written in clear and concise language.

User Data Access and Deletion: Data protection laws may also require you to allow users to access and delete their personal data. You should have processes in place to facilitate these requests.

Payment Processing: If you are processing payments on your website, you may need to comply with additional legal requirements related to payment processing, such as the Payment Card Industry Data Security Standard (PCI DSS).

Appendix A: Glossary

Stakeholders: The individuals or organizations that have an interest or will be impacted by the software system.

Functional requirements: The specific tasks or functions the software system must perform to meet the stakeholder's needs.

Non-functional requirements: The characteristics of the software system, such as performance, reliability, security, and usability.

Use case: A description of the interactions between the stakeholders and the software system to achieve a particular goal.

System boundary: The physical or logical limits of the software system.

System architecture: The structure and components of the software system and how they interact.

System constraints: The limitations on the software system, such as technology limitations or regulatory requirements.

Assumptions: The beliefs or premises upon which the software system is based.

Risks: Potential problems or issues that could arise during the development or use of the software system.

Acceptance criteria: The criteria that must be met for the software system to be accepted by the stakeholders.

Appendix B: Analysis Models

SDLC methodology:

This record plays a crucial function within the development of lifestyles cycle (SDLC) because it describes the entire requirement of the system. It way for use by means of builders and will be the primary at some stage in trying out segment. Any changes made to the requirements in the future will have to undergo formal alternate approval method.

SPIRAL model turned into defined with the aid of Barry Boehm in his 1988 article, "A spiral version of software program improvement and Enhancement. This model turned into not the first model to discuss iterative development, however it changed into the primary model to provide an explanation for why the generation models.

As at the start anticipated, the iterations were generally 6 months to 2 years lengthy. Each section starts off evolved with a design goal and ends with a consumer reviewing the progress up to now. Analysis and engineering efforts are carried out at every section of the project, with an eye fixed towards the stop purpose of the venture.

The steps for Spiral model may be generalized as follows:

•The brand new device requirements are defined in as tons details as possible. This typically entails interviewing some of users representing all the outside or internal customers and other factors of the existing machine.

•A preliminary design is created for the new machine.

•A primary prototype of the new device is produced from the preliminary design. This is often a scaled-down gadget, and represents an approximation of the characteristics of the very last product.

•A second prototype is developed by way of a fourfold manner:

1. Comparing the first prototype in terms of its strengths, weakness, and dangers.
2. Defining the necessities of the second prototype.
3. Planning a designing the second one prototype.
4. Constructing and checking out the second prototype.

•At the purchaser alternative, the entire venture may be aborted if the hazard is deemed too fantastic. Danger factors might concerned development fee overruns, operating-price miscalculation, or another factor that might, in the purchaser's judgment, bring about a much less-than-nice final product.

•The existing prototype is evaluated within the identical manner as become the preceding prototype, and if important, every other prototype is evolved from it in line with the fourfold manner mentioned above.

•The previous steps are iterated till the client is satisfied that the subtle prototype represents the very last product preferred.

•The final gadget is constructed, primarily based at the delicate prototype.

•The final machine is thoroughly evaluated and examined. Habitual maintenance is carried on a continuing basis to save you huge scale failures and to minimize down time.

The subsequent diagram shows how a spiral model acts like:

Advantages:
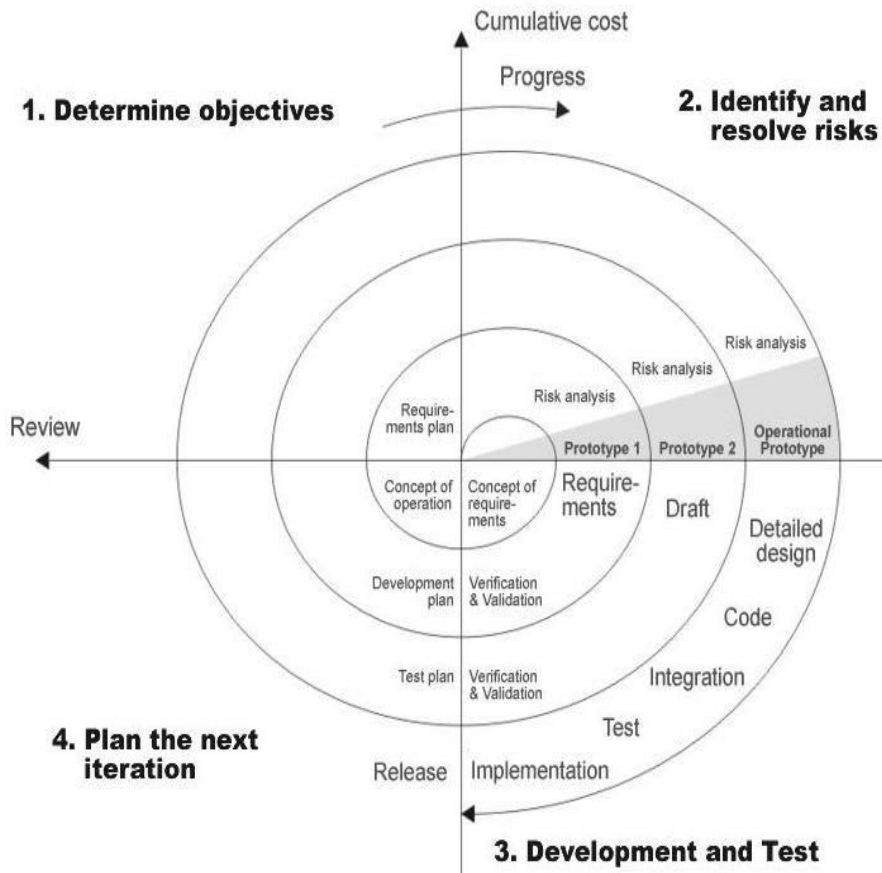
• Estimates (i.e. Price range, time table etc.) become more realistic as work progresses, due to the fact critical troubles discover earlier.

• It's far greater able to cope with the adjustments which can be software development generally entails.

Software engineers can get their fingers in and begin working at the core of a project earlier

Performance necessities:

Overall performance is measured in phrases of the output provided through the application.

Requirement specification performs a crucial part in the evaluation of a system. Only while the requirement specs are well given, it is possible to design a machine that allows you to match into required environment. It rests largely with the customers of the present machine to offer the requirement specifications because they're the folks who sooner or later use the machine. This is due to the fact the requirements

ought to be acknowledged in the course of the initial levels in order that the machine may be designed according to those requirements. It is very hard to exchange the system once it's been designed and alternatively designing a system, which does not cater to the requirements of the user, is of no use.

The requirement specification for any device can be broadly stated as given underneath:

•The device ought to be capable of interface with the present system

•The machine ought to be accurate

•The device needs to be better than the prevailing system

The existing machine is absolutely dependent on the user to carry out all of the duties.

Use Case Diagram

ACTIVITY DIAGRAM

ER Diagram

TRIP PLANNER

Customer

PK	Customer_id	INTEGER
	Customer_lname	VARCHAR(50)
	Customer_rname	VARCHAR(50)

Customer's booking details

Booking details

PK,FK	Booking_id	INTEGER
	Booking_type	VARCHAR(50)
	Booking_date	DATE

Travels

Travel

PK,FK	Mode of transport	VARCHAR(50)
	Transport_id	INTEGER
	Date of booking	DATE
	Date of travel	DATE
	Boarding_place	VARCHAR(50)
	Destination	VARCHAR(50)
	Departure_time	TIME
	Arrival_time	TIME

Transport

Stays

Cab/Taxi

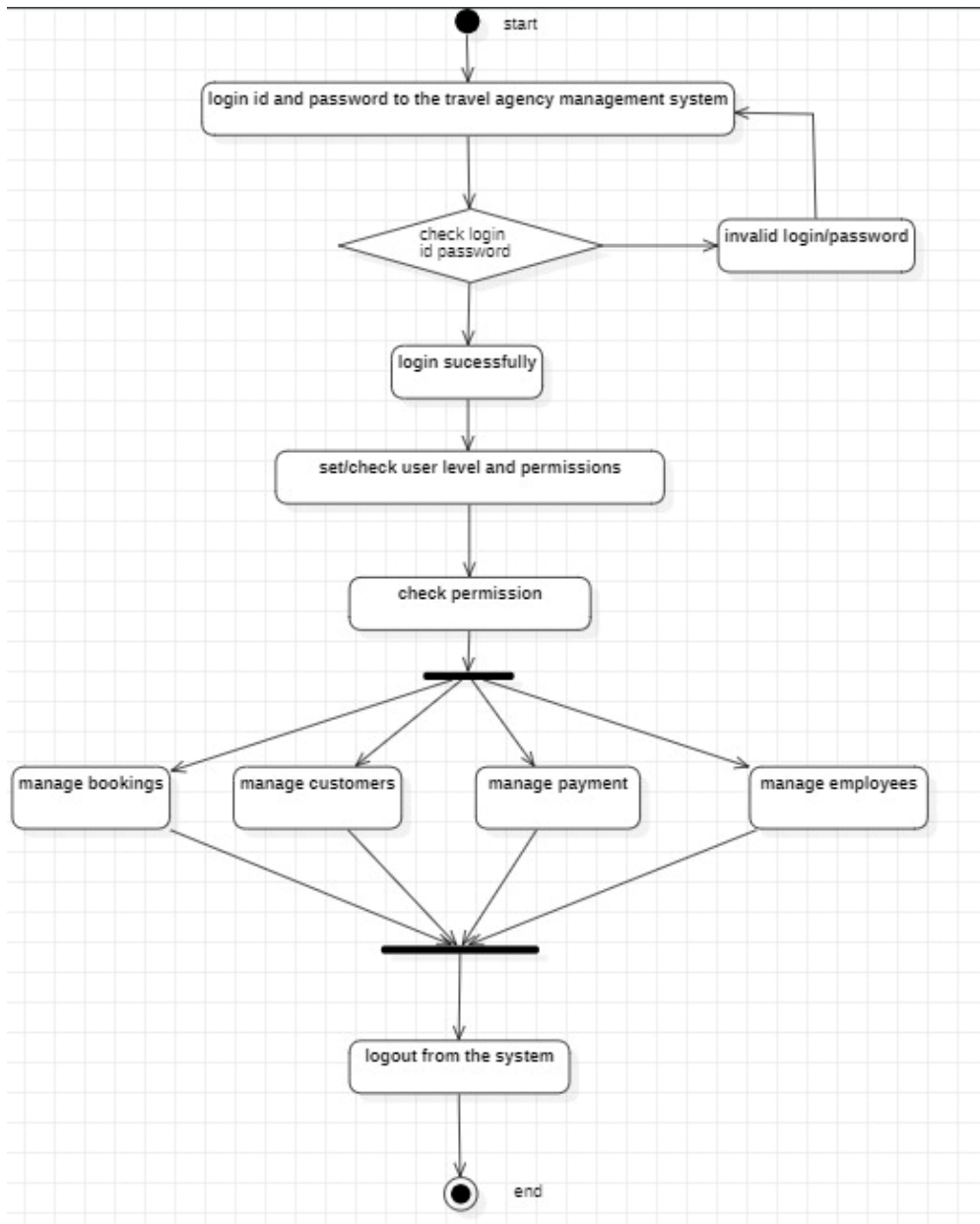| PK,FK | Taxi_id | INTEGER |
	Date of booking	DATE
	Cab options	VARCHAR(50)
	Pickup_point	VARCHAR(50)
	Destination	VARCHAR(50)
FK	Taxi_number	VARCHAR(50)
	Estimated wait time for taxi arrival	TIME
	Estimated cost	DECIMAL
	Vehicle tracking	VARCHAR(50)
	SMS alerts	VARCHAR(50)
	Payment options	VARCHAR(50)
	Auto generated bill	VARCHAR(50)

Accomodation

PK,FK	Hotel_id	INTEGER
	Hotel_name	VARCHAR(50)
	Hotel_location	VARCHAR(50)

Eats

Customer's tour packages

Tour Package

PK,FK	Tourist_places	VARCHAR(50)
	Tour_guide_id	INTEGER
	Attractions	VARCHAR(50)
	Sport activities	VARCHAR(50)
	Entertainment activities	VARCHAR(50)
	Events	VARCHAR(50)

Food

PK,FK	Restaurant_id	INTEGER
	Restaurant_name	VARCHAR(50)
	Restaurant_location	VARCHAR(50)

Data Flow Diagram

Trip Planning Management System

Context Flow Diagram- Level 0 DFD

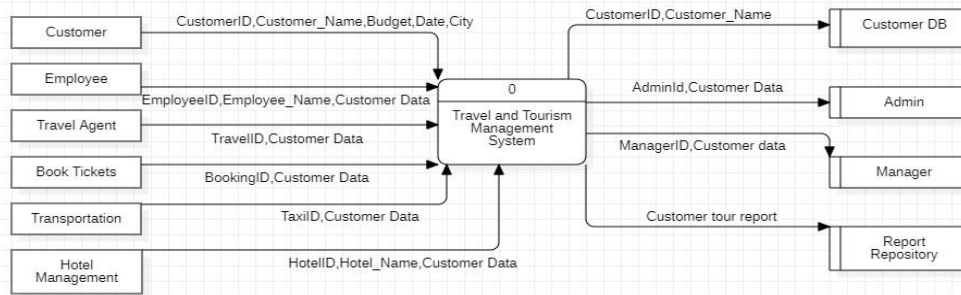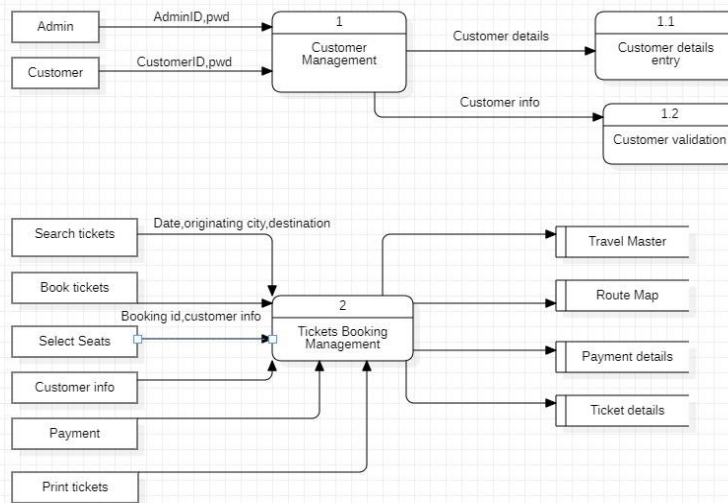|		
Customer	CustomerID,Customer_Name,Budget,Date,City	
Employee		CustomerID,Customer_Name → Customer DB
Travel Agent	EmployeeID,Employee_Name,Customer Data	
Book Tickets	TravelID,Customer Data	0 Travel and Tourism Management System
Transportation	BookingID,Customer Data	AdminId,Customer Data → Admin
Hotel Management	TaxiID,Customer Data	ManagerID,Customer data → Manager
	HotelID,Hotel_Name,Customer Data	Customer tour report → Report Repository

Level 1-DFD

Admin	AdminID,pwd	1 Customer Management	Customer details	1.1 Customer details entry
Customer	CustomerID,pwd		Customer info	1.2 Customer validation

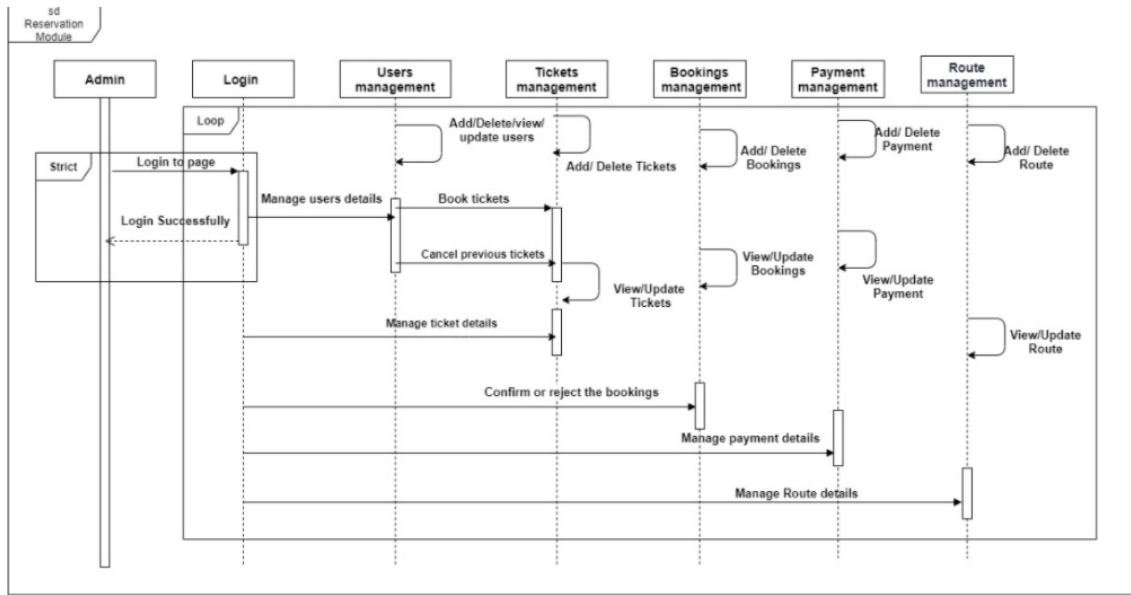| Search tickets	Date,originating city,destination		Travel Master
Book tickets		2 Tickets Booking Management	Route Map
Select Seats	Booking id,customer info		Payment details
Customer info			Ticket details
Payment			
Print tickets			

Sequence Diagram

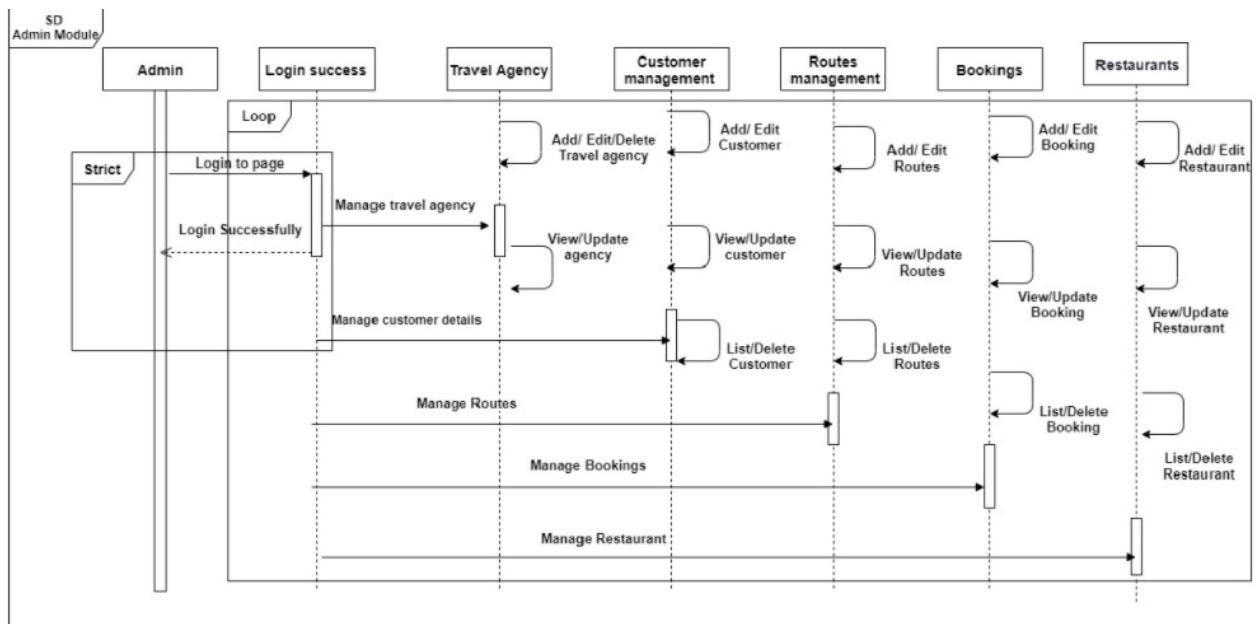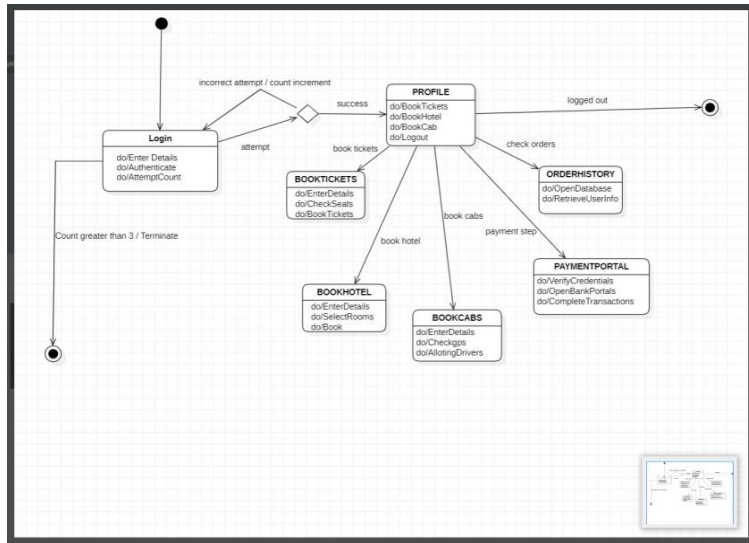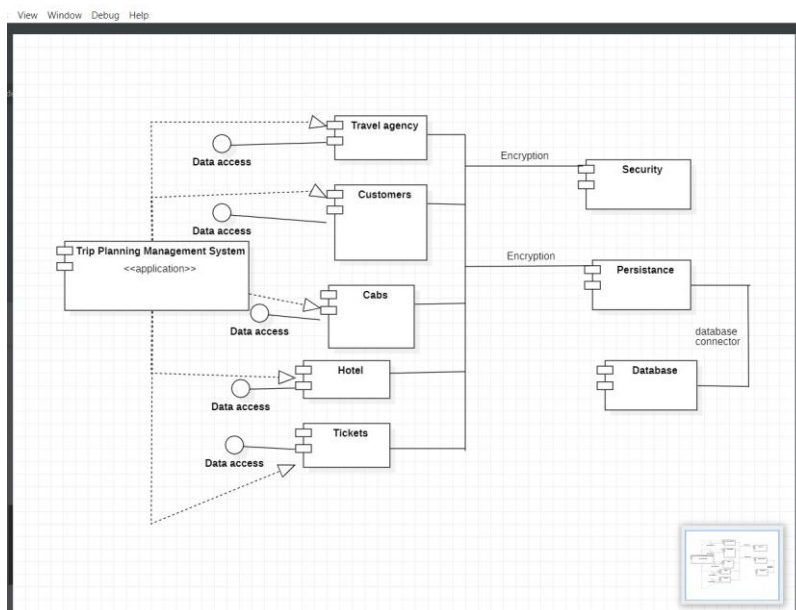## Sequence diagram for Admin

Sequence diagram for reservation

State Transition Diagram

Component Diagram

Architecture flow : (N-Tier)

N-Tier programs can without difficulty enforce the principles of disbursed software layout and structure. The N-Tier applications provide strategic blessings to agency solutions. At the same time as 2-tier, patron-server can help us create short and smooth solutions and can be used for rapid Prototyping, they are able to without difficulty grow to be protection and security night mare The N-tier programs offer precise benefits that are essential to the commercial enterprise continuity of the organization. Usual capabilities of a real lifestyles n-tier might also include the subsequent:

•Protection

•Availability and Scalability

•Manageability

•Smooth protection

•Statistics Abstraction

The above noted factors are some of the key layout dreams of success n-tier software that intends to provide a terrific commercial enterprise answer.

Definition:

Clearly stated, an n-tier application allows us distribute the general capability into numerous ranges or layers:

•Presentation Layer

•Commercial enterprise common sense layer

•Facts link Layer

•Database/statistics shop

Every layer can be evolved independently of the other furnished that it adheres to the requirements and communicates with the alternative layers as consistent with the specs. This is the only of the biggest advantages of the n-tier application. Each layer can potentially treat the opposite layer as a 'Block-box'. In other words, every layer does no longer care how different layer processes the facts as long because it sends the right facts in a correct format.
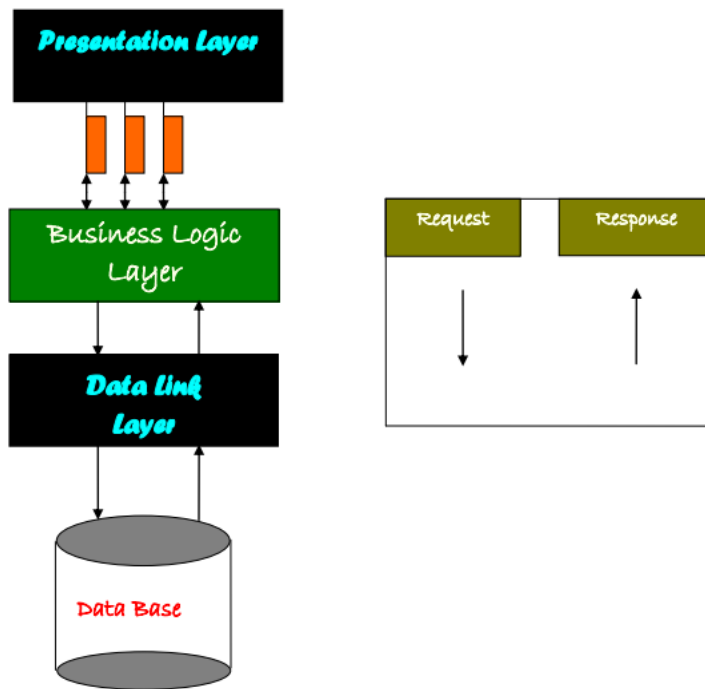
Fig: N-Tier Architecture

1.   Presentation Layer:

Additionally called as consumer layer, accommodates of components which are committed to offering the data to the consumer. As an instance: windows/internet paperwork and buttons, edit packing containers, text packing containers, labels, grids, and so forth.

2.   Enterprise good judgment Layer:

This sediment encapsulates the commercial enterprise rules or the commercial enterprise good judgment of the encapsulations. To have a separate layer for enterprise logic is of a remarkable gain. This is due to the fact any changes in commercial enterprise policies can be easily handled on this layer. So long as the interface between the layers remains the equal, any modifications to the functionality/processing common sense in this layer may be made without impacting the others. Numerous client-server apps failed to put in force effectively as changing the enterprise good judgment become a painful system.

3.   Records link Layer:

This layer incorporates of additives that assist in getting access to the Database. If used in the right way, this residue offers a level of abstraction for the database systems. Virtually positioned adjustments made to the database, tables, and so on do no longer have an effect on the rest of the application because of the information get admission to layer. The unique utility layers ship the facts requests to this deposit and get hold of the response from this sediment.

4.   **Database Layer:**

This layer incorporates of the Database additives along with DB files, Tables, perspectives, and many others. The actual database could be created using square Server, Oracle, Flat documents, and so on. In an n-tier utility, the entire application can be applied in one of this manner that it's miles unbiased of the real Database. As an instance, you may trade the Database vicinity with minimum adjustments to facts get admission to Layer. The relaxation of the application has to stay unaffected.

Appendix C: To Be Determined List

User interface design: The design of the user interface may not be fully specified at the time the SRS is written, and some aspects of it may be marked as TBD.

Performance requirements: Specific performance requirements, such as response time or throughput, may need to be determined later based on testing or further analysis.

Error handling: The exact error messages or error handling procedures may not be determined yet.

Compatibility requirements: Compatibility requirements, such as compatibility with specific hardware or software, may be TBD at the time of writing the SRS.

Security requirements: Some aspects of security, such as specific encryption algorithms or access control policies, may be TBD until further analysis is done.

PSEUDOCODE AND ALGORITHM

Pseudocode:

FUNCTION displayMainMenu():

   PRINT "1. Book a Trip"

   PRINT "2. Cancel a Trip"

   PRINT "3. View Bookings"

   PRINT "4. Exit"

FUNCTION bookTrip():

   // Prompt user for necessary details

   INPUT tripDetails

   // Validate and process trip details

   IF tripDetails are valid:

     // Generate a unique booking ID

     bookingID = generateBookingID()

     // Save booking details to the database

     SAVE tripDetails and bookingID

```
        // Display booking confirmation to the user

        PRINT "Booking successful. Your Booking ID is " + bookingID

    ELSE:

        PRINT "Invalid trip details. Please try again."



FUNCTION cancelTrip():

    // Prompt user for booking ID

    INPUT bookingID



    // Check if the booking ID exists in the database

    IF bookingID exists:

        // Retrieve and display booking details

        bookingDetails = GET bookingDetails using bookingID

        PRINT bookingDetails



        // Confirm cancellation with the user

        INPUT cancellationConfirmation



        IF cancellationConfirmation is 'yes':

            // Delete the booking from the database
```

```
            DELETE booking using bookingID

            PRINT "Booking cancelled successfully."

        ELSE:

            PRINT "Cancellation aborted."

    ELSE:

        PRINT "Invalid booking ID. Please try again."




FUNCTION viewBookings():

    // Retrieve all bookings from the database

    bookings = GET all bookings



    // Display bookings to the user

    FOR each booking in bookings:

        PRINT booking



// Main program flow

WHILE true:

    displayMainMenu()

    INPUT choice
```

IF choice is 1:

    bookTrip()

ELSE IF choice is 2:

    cancelTrip()

ELSE IF choice is 3:

    viewBookings()

ELSE IF choice is 4:

    BREAK

ELSE:

    PRINT "Invalid choice. Please try again."

Back - end Pseudocode:

```
class CheckHotels extends JFrame implements Runnable:

    JLabel l1, l2, l3, l4, l5, l6, l7, l8, l9, l10, l11, l12, l13, l14, l15, l16, l17, l18, l19

    JLabel caption

    Thread th


    method run():

        try:

            l2.setVisible(true)

            caption.setText("JW Marriott Hotel")
```

```
l2.add(caption)

Thread.sleep(2800)

l2.setVisible(false)

l3.setVisible(true)

caption.setText("Mandarin Oriental Hotel")

l3.add(caption)

l3.setVisible(true)

Thread.sleep(2800)

l3.setVisible(false)

l4.setVisible(true)

caption.setText("Four Seasons Hotel")

l4.add(caption)

Thread.sleep(2800)

l4.setVisible(false)

l5.setVisible(true)

caption.setText("Radisson Hotel")

l5.add(caption)

Thread.sleep(2800)

l5.setVisible(false)

l6.setVisible(true)
```

```
caption.setText("Classio Hotel")

l6.add(caption)

Thread.sleep(2800)

l6.setVisible(false)

l7.setVisible(true)

caption.setText("The Bay Club Hotel")

l7.add(caption)

Thread.sleep(2800)

l7.setVisible(false)

l8.setVisible(true)

caption.setText("Breeze Blows Hotel")

l8.add(caption)

Thread.sleep(2800)

l8.setVisible(false)

l9.setVisible(true)

caption.setText("Quick Stop Hotel")

l9.add(caption)

Thread.sleep(2800)

l9.setVisible(false)

l10.setVisible(true)
```

```
            caption.setText("Happy Mornings Motel")

            l10.add(caption)

            Thread.sleep(2800)

            l10.setVisible(false)

            l11.setVisible(true)

            caption.setText("Moss View Hotel")

            l11.add(caption)

            Thread.sleep(2800)

            l11.setVisible(false)



            this.setVisible(false)

        catch Exception e:

            print(e)



    constructor CheckHotels():

        setBounds(580, 220, 900, 700)

        getContentPane().setBackground(new Color(220, 250, 250))



        th = new Thread(this)
```

```java
caption = new JLabel()

caption.setBounds(50, 550, 1000, 70)

caption.setForeground(Color.WHITE)

caption.setFont(new Font("Tahoma", Font.PLAIN, 40))

add(caption)




i1 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel1.jpg"))

i2 = i1.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i3 = new ImageIcon(i2)

l2 = new JLabel(i3)

l2.setBounds(0, 0, 900, 700)

add(l2)




setLayout(null)




i4 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel2.jpg"))

i5 = i4.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i6 = new ImageIcon(i5)
```

```java
l3 = new JLabel(i4)

l3.setBounds(0, 0, 900, 700)

add(l3)

l3.setVisible(false)




i7 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel3.jpg"))

i8 = i7.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i9 = new ImageIcon(i8)

l4 = new JLabel(i9)

l4.setBounds(0, 0, 900, 700)

add(l4)

l4.setVisible(false)




i10 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel4.jpg"))

i11 = i10.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i12 = new ImageIcon(i11)

l5 = new JLabel(i12)

l5.setBounds(0, 0, 900, 700)

add(l5)
```

```
l5.setVisible(false)



i13 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel5.jpg"))

i14 = i13.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i15 = new ImageIcon(i14)

l6 = new JLabel(i15)

l6.setBounds(0, 0, 900, 700)

add(l6)

l6.setVisible(false)



i16 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel6.jpg"))

i17 = i16.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i18 = new ImageIcon(i17)

l7 = new JLabel(i18)

l7.setBounds(0, 0, 900, 700)

add(l7)

l7.setVisible(false)



i19 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel7.jpg"))
```

```java
i20 = i19.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i21 = new ImageIcon(i20)

l8 = new JLabel(i21)

l8.setBounds(0, 0, 900, 700)

add(l8)

l8.setVisible(false)

i22 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel8.jpg"))

i23 = i22.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i24 = new ImageIcon(i23)

l9 = new JLabel(i24)

l9.setBounds(0, 0, 900, 700)

add(l9)

l9.setVisible(false)

i25 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel9.jpg"))

i26 = i25.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i27 = new ImageIcon(i26)

l10 = new JLabel(i27)
```

```
l10.setBounds(0, 0, 900, 700)

add(l10)

l10.setVisible(false)


i28 = new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icons/hotel10.jpg"))

i29 = i28.getImage().getScaledInstance(900, 700, Image.SCALE_DEFAULT)

i30 = new ImageIcon(i29)

l11 = new JLabel(i30)

l11.setBounds(0, 0, 900, 700)

add(l11)

l11.setVisible(false)


th.start()


method main(args[]):

    create an instance of CheckHotels

    set the frame's visibility to true
```

ALGORITHM

Front - end algorithm:

1. Start

2. Load the HTML document.

3. Parse and render the HTML content.

4. Display the webpage with its initial layout.

5. Handle user interactions and events.

6. If the "Login" link is clicked:

   - Navigate to the "login.html" page.

7. If the "home" link is clicked:

   - Scroll to the section with the id "home".

8. If the "Hotels & Tours" link is clicked:

   - Navigate to the "hotel.html" page.

9. If the "package" link is clicked:

   - Scroll to the section with the id "places".

10. If the "blog" link is clicked:

    - Open the "blog.html" page in a new tab or window.

11. If the "about us" link is clicked:

    - Scroll to the section with the id "about".

12. If the "contact us" link is clicked:

    - Scroll to the section with the id "cont".

13. If the "book" button in the form is clicked:

    - Perform validation on the input fields.

    - If the input is valid, proceed with the booking process.

- Otherwise, display an error message to the user.

14. Handle other interactions and events as necessary.

15. End.

<u>Back- end Algorithm</u>

The provided code appears to be a Java Swing application for checking hotels. Here's the step-by-step algorithm for the code:

1. Start

2. Create a class named `CheckHotels` that extends `JFrame` and implements the `Runnable` interface.

3. Define the necessary instance variables and components, including `JLabel` objects and an instance of the `Thread` class.

4. Implement the `run()` method:

   - Within the `run()` method, perform the following steps for each hotel:

   - Show the corresponding hotel image and set the caption label with the hotel name.

   - Pause the thread for a specific duration to display the hotel information.

   - Hide the hotel image.

   - Once all hotels have been displayed, hide the frame.

5. Implement the `CheckHotels` constructor:

   - Set the frame's position, size, and background color.

   - Create an instance of the caption label.

   - Create `JLabel` objects for each hotel image and set their bounds.

- Start the thread.

6. Implement the `main()` method:

   - Create an instance of `CheckHotels`.

   - Set the frame's visibility to true.

7. End.

SOURCE CODE:

<u>Front End</u>

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="index.css">
    <title>Go Trip</title>
</head>

<body>

    <body>

        <!--==========Nav Bar================-->
        <section class="nav-bar">
            <div class="logo">Go Trip</div>
            <ul class="menu">
              <li>
                <a href="login.html">Login</a>
              </li>
                <li><a href="#home">home</a></li>
                <li><a href="hotel.html">Hotels & Tours</a></li>
                <li><a href="#places"><id="packagebtn">
                package</id></a></li>
                <!-- <li><a href="#">blog</a></li> -->
                <li><a href="blog.html" target="_blank">blog</a></li>
                <li><a href="#about">about us</a></li>
                <li><a href="#cont"><id="contactBtn">
                contact us</id></a></li>
            </ul>
```

```html
                    <!-- </div> -->

        </section>
        <!--==============Banner================-->
        <section class="banner">
            <div class="banner-text-item" id="home">
                <div class="banner-heading">
                    <h1>Find your Next tour!</h1>
                </div>
                <form class="form">
                    <input type="text" list="mylist" placeholder="Where would
you like to go?">
                    <datalist id="mylist">
                        <option>London</option>
                        <option>Canada</option>
                        <option>Monaco</option>
                        <option>France</option>
                        <option>Japan</option>
                        <option>Switzerland</option>
                        <option>Seoul</option>
                    </datalist>
                    <input type="date" class="date">
                    <a href="#" class="book">book</a>
                </form>
            </div>
        </section>

        <!--=========Services================-->
        <section class="services">
            <div class="service-item" id="about">
                <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293634/tour-
guide_onzla9.png">
                <h2>8000+ Our Local Guides</h2>
            </div>
            <div class="service-item">
                <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293738/reliability
_jbpn4g.png">
                <h2>100% Trusted Tour Agency</h2>
            </div>
            <div class="service-item">
                <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293635/experience_
a3fduk.png">
                <h2>28+ Years of Travel Experience</h2>
            </div>
            <div class="service-item">
                <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293634/feedback_s8
z7d9.png">
```

```html
                <h2>98% Our Travelers are Happy</h2>
            </div>
        </section>
        <!--==============Places==================-->
        <section class="places">
            <div class="places-text" id="places">
                <small>FEATURED TOURS PACKAGES</small>
                <h2>Favourite Places</h2>
            </div>

            <div class="cards">
                <div class="card">
                    <div class="zoom-img">
                        <div class="img-card">
                            <img
                                src="https://res.cloudinary.com/dxssqb6l8/imag
e/upload/v1605293736/james-wheeler_xqmq2y.jpg">
                        </div>
                    </div>

                    <div class="text">
                        <span class="rating">★ ★ ★ ★ ★</span>
                        <h2>The Dark Forest Adventure</h2>
                        <p class="cost">$1870 / Per Person</p>
                        <div class="card-box">
                            <p class="time">🕐 3 Days</p>
                            <p class="location">✈ Vancouver, Canada</p>
                        </div>
                    </div>

                </div>
                <div class="card">
                    <div class="zoom-img">
                        <div class="img-card">
                            <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293755/paris_uj8wu
m.jpg">
                        </div>
                    </div>

                    <div class="text">
                        <span class="rating">★ ★ ★ ★ ★</span>
                        <h2>The Dark Forest Adventure</h2>
                        <p class="cost">$1870 / Per Person</p>
                        <div class="card-box">
                            <p class="time">🕐 3 Days</p>
                            <p class="location">✈ Paris, France</p>
                        </div>
                    </div>

                </div>
```

```html
                <div class="card">
                    <div class="zoom-img">
                        <div class="img-card">
                            <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293955/monaco_usu7
xb.jpg">
                        </div>
                    </div>

                    <div class="text">
                        <span class="rating">★ ★ ★ ★ ★</span>
                        <h2>The Dark Forest Adventure</h2>
                        <p class="cost">$1870 / Per Person</p>
                        <div class="card-box">
                            <p class="time">🕐 3 Days</p>
                            <p class="location">✈ Monaco, Monaco</p>
                        </div>
                    </div>

                </div>
                <div class="card">
                    <div class="zoom-img">
                        <div class="img-card">
                            <img
                                src="https://res.cloudinary.com/dxssqb6l8/imag
e/upload/v1605293874/switzerland_tubxcm.jpg">
                        </div>
                    </div>

                    <div class="text">
                        <span class="rating">★ ★ ★ ★ ★</span>
                        <h2>The Dark Forest Adventure</h2>
                        <p class="cost">$1870 / Per Person</p>
                        <div class="card-box">
                            <p class="time">🕐 3 Days</p>
                            <p class="location">✈ Bern, Switzerland</p>
                        </div>
                    </div>

                </div>
                <div class="card">
                    <div class="zoom-img">
                        <div class="img-card">
                            <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293673/korea_bxrcj
5.jpg">
                        </div>
                    </div>

                    <div class="text">
                        <span class="rating">★ ★ ★ ★ ★</span>
```

```html
                <h2>The Dark Forest Adventure</h2>
                <p class="cost">$1870 / Per Person</p>
                <div class="card-box">
                    <p class="time">🕐 3 Days</p>
                    <p class="location">✈ Seoul, South Korea</p>
                </div>
            </div>

        </div>
        <div class="card">
            <div class="zoom-img">
                <div class="img-card">
                    <img
                        src="https://res.cloudinary.com/dxssqb6l8/imag
e/upload/v1605293673/night-4336403_1920_demehp.jpg">
                </div>
            </div>

            <div class="text">
                <span class="rating">⭐ ⭐ ⭐ ⭐ ⭐</span>
                <h2>The Dark Forest Adventure</h2>
                <p class="cost">$1870 / Per Person</p>
                <div class="card-box">
                    <p class="time">🕐 3 Days</p>
                    <p class="location">✈ Tokyo, japan</p>
                </div>
            </div>
        </div>
    </div>
</section>
<!--==========About Us==============-->
<section class="about">
    <div class="about-img" id="cont">
        <img
src="https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293719/outdoor_tjj
hxk.jpg">
    </div>
    <div class="about-text">
        <small>ABOUT OUR COMPANY</small>
        <h2>We are Go Trip Ravels Support Company</h2>
        <p>Go Trip is a trusted travel agency that makes travel easy,
affordable, and unforgettable. With a passion for adventure and a commitment
to customer satisfaction, we offer personalized services tailored to your
unique preferences. Our experienced team takes care of all the logistics, from
flights and accommodations to tours and activities. We believe in making
travel affordable without compromising on quality, thanks to our strong
partnerships with airlines, hotels, and local suppliers. Join us on an
extraordinary journey and let Go Trip be your trusted companion in creating
memorable travel experiences.</p>
```

```html
                <label><input type="checkbox" checked>Exceptional Customer
Service</label>
                <label><input type="checkbox" checked>Unforgettable
Experiences</label>
                <label><input type="checkbox" checked>Affordable
Luxury</label>
                <label><input type="checkbox" checked>Reliable and
Trustworthy</label>
                <a href="#">ABOUT US</a>
            </div>
        </section>

        <!--==========Footer================-->
        <div class="footer">
            <div class="links">
                <h3>Quick Links</h3>
                <ul>
                    <li>Offers & Discounts</li>
                    <li>Get Coupon</li>
                    <li>Contact Us</li>
                    <li>About</li>
                </ul>
            </div>
            <div class="links">
                <h3>New Products</h3>
                <ul>
                  <li>instagram: @gotrip</li>
                  <li>twitter: @gotrip</li>
                  <li>gmail: gotrip@gmail.com</li>
                  <li>website:www.gotrip.com</li>
                </ul>
            </div>
            <div id="links class="links">
                <h3>Support</h3>
                <ul>
                    <li>Frequently Asked Questions</li>
                    <li>Report a Payment Issue</li>
                    <li>Terms & Conditions</li>
                    <li>Privacy Policy</li>
                </ul>
            </div>
        </div>
        <script src="index.js"></script>
    </body>

</html>
```

CSS

```css
@import
url("https://fonts.googleapis.com/css2?family=Barlow+Condensed:wght@500&displa
y=swap");
@import url("https://fonts.googleapis.com/css2?family=Satisfy&display=swap");
@import
url("https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=swap");

* {
  box-sizing: border-box;
  margin: 0;
}

body,
html {
  margin: 0;
  padding: 0;
}

/*---------------------Scroll Bar---------------------*/
::-webkit-scrollbar {
  width: 20px;
}

::-webkit-scrollbar-track {
  box-shadow: inset 0 0 5px grey;
  border-radius: 10px;
}

::-webkit-scrollbar-thumb {
  background-color: #fde65e;
  border-radius: 10px;
}

::-webkit-scrollbar-thumb:hover {
  background-color: #fde02f;
}

/*=======================Nav Bar=======================*/
.nav-bar {
  display: flex;
  flex-flow: row wrap;
  width: 100%;
  height: 90px;
  background-color: #fff;
  box-shadow: 3px 3px 10px lightslategray;
  align-items: center;
  justify-content: center;
  position: sticky;
  top: 0;
  z-index: 1;
}
```

```css
.logo {
  flex: 1;
  font-size: 40px;
  padding: 20px;
  margin-left: 50px;
  font-family: Satisfy;
}

ul.menu {
  flex: 1;
  display: flex;
  flex-flow: row wrap;
}

.menu li {
  flex: 1;
  list-style-type: none;
  font-size: 16px;
  font-family: "Barlow Condensed";
  text-align: center;
}

.menu li a {
  text-decoration: none;
  color: #000;
  text-transform: uppercase;
}

.menu li a:hover {
  color: midnightblue;
  text-decoration: underline;
}

/*============================Banner============================*/
.banner {
  background-image:
url("https://res.cloudinary.com/dxssqb6l8/image/upload/v1605294054/young-
woman-enjoying-beautiful-scenery-of-lago-di-braies-italy-picjumbo-
com_aa0fvw.jpg");
  background-size: cover;
  background-repeat: no-repeat;
  background-position: center;
  /*overflow: hidden;*/
  width: 100%;
  height: 100vh;
  text-align: center;
  position: relative;
  display: flex;
  justify-content: center;
  align-items: center;
```

```css
}

.banner::before {
  content: "";
  position: absolute;
  display: block;
  top: 0;
  left: 0;
  bottom: 0;
  right: 0;
  background-color: rgba(0, 0, 0, 0.2);
  /*background-size: 100%;*/
}

.banner-text-item {
  position: absolute;
  width: 100%;
  text-align: center;
  display: flex;
  flex-flow: column wrap;
  justify-content: center;
  align-items: center;
}

.banner-heading {
  flex: 1;
}

.banner-heading h1 {
  font-size: 100px;
  font-weight: normal;
  color: #fde02f;
  font-family: Satisfy;
}

.banner-text-item .form {
  flex: 1;
  display: flex;
  flex-flow: row wrap;
  justify-content: center;
  align-items: center;
  background-color: rgba(255, 255, 255, 0.2);
  border-radius: 5px;
  width: 70%;
  padding: 1% 2%;
}

.banner-text-item input,
.banner-text-item .date,
.banner-text-item .book {
  padding: 15px;
```

```css
    margin-right: 10px;
    font-size: 18px;
    font-family: Roboto;
    border-radius: 5px;
    outline: 0;
    border: none;
}

.banner-text-item input {
    width: 50%;
    flex: 2;
}

.banner-text-item .date {
    width: 20%;
    flex: 1;
}

.banner-text-item .book {
    width: 20%;
    flex: 1;
}

.banner-text-item .book {
    text-decoration: none;
    color: #000;
    text-transform: uppercase;
    padding: 15px;
    cursor: pointer;
    background-color: #fde02f;
    font-size: 16px;
    font-weight: normal;
    font-family: "Barlow Condensed";
    width: 20%;
}

/*===========================Services===========================*/
.services {
    display: flex;
    flex-flow: row;
    align-items: center;
    justify-content: center;
}

.service-item {
    flex: 1;
    padding: 50px 10px;
    border: lightcyan solid 1px;
    text-align: center;
    margin: 180px 50px;
    transition: all 1s;
```

```css
  display: flex;
  flex-flow: column;
  align-items: center;
  justify-content: center;
}

.service-item:hover {
  box-shadow: 3px 3px 20px lightsteelblue;
}

.service-item h2 {
  font-family: Barlow Condensed;
  font-size: 18px;
  width: 120px;
  color: #001f38;
  flex: 1;
}

.service-item img {
  width: 60px;
  height: 60px;
  flex: 1;
}

/*=============================Places==============================*/
.places-text {
  text-align: center;
  margin-bottom: 50px;
}

.places-text small {
  font-family: Roboto;
  color: #ffc342;
  font-size: 15px;
  font-weight: bolder;
}

.places-text h2 {
  font-family: Barlow Condensed;
  font-size: 55px;
  color: #191d34;
  letter-spacing: 1px;
}

.cards {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  grid-template-rows: repeat(2, 1fr);
  grid-gap: 30px;
  align-items: center;
  justify-items: center;
```

```css
    text-align: center;
}

.card {
  border: 1px solid lightgray;
  box-shadow: 2px 2px 6px 0 rgba(0, 0, 0, 0.3);
  border-top-left-radius: 8px;
  border-top-right-radius: 8px;
  width: 80%;
  height: auto;
}

.card img {
  max-width: 100%;
  height: 300px;
  border-radius: 8px;
  cursor: pointer;
}

.cards .text {
  padding: 20px;
  font-family: Barlow Condensed;
  line-height: 50px;
}

.cards .card-box {
  display: flex;
  flex-flow: row;
  background-color: #fde02f;
  font-size: 18px;
  font-family: Roboto;
  align-items: center;
  justify-content: center;
  text-align: center;
}

.cards .time {
  flex: 1;
}

.cards .location {
  flex: 2;
}

.cards .cost {
  color: #4cafad;
  font-size: 20px;
}

/*-----------Zoom in Photos--------------*/
.zoom-img {
```

```css
  float: left;
  position: relative;
  width: 100%;
  height: 320px;
  overflow: hidden;
}

.zoom-img .img-card {
  position: absolute;
  overflow: hidden;
}

.img-card img {
  -webkit-transition: 0.8s ease;
  transition: 0.8s ease;
}

.card:hover .zoom-img img {
  -webkit-transform: scale(1.1);
  transform: scale(1.1);
}

/*=======================About Us=======================*/
.about {
  display: flex;
  flex-flow: row wrap;
  align-items: center;
  justify-content: center;
  padding: 150px;
}

.about-img {
  flex: 1;
}

.about-img img {
  width: 500px;
  height: 700px;
  box-shadow: 2px 2px 6px 0 rgba(0, 0, 0, 0.3);
}

.about-text {
  flex: 1;
  /*width: 100px;*/
  display: flex;
  flex-flow: column wrap;
}

.about-text small,
.about-text p,
.about-text input,
```

```css
.about-text a {
  flex: 1;
  font-family: Roboto;
}

.about-text small {
  color: #ffc342;
  font-size: 18px;
}

.about-text h2 {
  flex: 1;
  font-family: Barlow Condensed;
  font-size: 60px;
  color: #191d34;
  width: 450px;
}

.about-text label {
  padding-bottom: 10px;
  color: #506172;
  font-weight: bolder;
  font-family: Roboto;
  letter-spacing: 1px;
}

.about-text p {
  width: 500px;
  line-height: 30px;
  color: #506172;
  font-weight: bolder;
  padding: 50px 0;
}

.about-text a {
  background-color: #fff;
  border: 2px solid #014b85;
  text-decoration: none;
  border-radius: 5px;
  width: 180px;
  padding: 20px;
  text-align: center;
  margin-top: 50px;
  color: #014b85;
  font-weight: bolder;
  font-size: 14px;
}

.about-text a:hover {
  background-color: #014b85;
  color: #fff;
```

```css
}

/*===============Footer==================*/
.footer {
  background-image:
url("https://res.cloudinary.com/dxssqb6l8/image/upload/v1605293781/pine-
tree_mq2sgp.jpg");
  background-size: cover;
  background-repeat: no-repeat;
  background-position: center;
  width: 100%;
  height: 670px;
  position: relative;
  display: flex;
  flex-flow: row wrap;
  justify-content: center;
  align-items: center;
}

.footer::before {
  position: absolute;
  content: "";
  display: block;
  background-color: rgba(0, 0, 36, 0.8);
  top: 0;
  left: 0;
  bottom: 0;
  right: 0;
}

.footer .links {
  position: relative;
  color: #fff;
  flex: 1;
  display: flex;
  flex-flow: column;
  justify-content: center;
  align-items: center;
}

.links ul {
  list-style-type: none;
}

.links h3 {
  font-family: Barlow Condensed;
  font-weight: normal;
  font-size: 23px;
  margin-bottom: 15px;
}
```

```css
.links li {
  font-family: Roboto;
  cursor: pointer;
  padding: 15px 0;
}

.links li:hover {
  color: #ffa801;
}

/*=========================Responsive============================*/
@media all and (max-width: 1172px) {
  .banner-text-item .form {
    display: flex;
    flex-flow: column;
    justify-content: center;
    align-items: center;
    width: 50%;
  }

  .banner-text-item .form input,
  .banner-text-item .form .date,
  .banner-text-item .form a {
    flex: 1;
    margin-bottom: 5px;
    font-size: 14px;
  }

  .banner-text-item .form input {
    width: 60%;
  }

  .banner-text-item .form .date {
    width: 30%;
  }

  .banner-text-item .form .book {
    width: 10%;
    font-size: 14px;
  }

  .banner-heading h1 {
    font-size: 60px;
  }
}

@media all and (max-width: 1414px) {
  .banner-text-item .form input {
    width: 40%;
  }
}
```

```css
  .banner-text-item .form .date {
    width: 30%;
  }

  .banner-text-item .form .book {
    width: 20%;
    font-size: 14px;
  }
}

@media all and (max-width: 942px) {
  .nav-bar {
    display: flex;
    flex-flow: column wrap;
    justify-content: center;
    align-items: center;
    width: 100%;
    height: auto;
    text-align: center;
    position: static;
  }

  .logo {
    flex: 1;
    font-size: 30px;
    margin: 10px auto;
    font-family: Satisfy;
    color: #fde02f;
  }

  .nav-bar ul {
    display: none;
  }

  .nav-bar ul li {
    flex: 1;
    margin-bottom: 5px;
    font-size: 14px;
  }

  .services {
    display: flex;
    flex-flow: column wrap;
  }

  .services .service-item {
    flex: 1;
    margin-bottom: -130px;
    width: 400px;
  }
```

```css
  .places-text {
    margin-top: 200px;
  }
}

@media all and (max-width: 928px) {
  .banner .form input,
  a {
    font-size: 12px;
  }
}

@media all and (max-width: 1173px) {
  .banner .form {
    background-color: transparent;
  }
}

@media all and (max-width: 1194px) {
  .places .card-box p {
    font-size: 14px;
  }
}

@media all and (max-width: 1086px) {
  .places .cards .text {
    line-height: 40px;
  }

  .cards .text .h2 {
    font-size: 12px;
  }

  .cards .img-card img {
    height: 260px;
  }
}

@media all and (max-width: 974px) {
  .cards {
    display: grid;
    grid-template-columns: repeat(1, 1fr);
    grid-template-rows: repeat(6, 1fr);
    grid-gap: 20px;
  }

  .card {
    width: 300px;
    height: 500px;
    margin: auto;
  }
```

```css
    .cards .text {
      padding: 5px;
      font-family: Barlow Condensed;
    }
}

@media all and (max-width: 1334px) {
  .about-img img {
    width: 300px;
    height: 500px;
  }
}

@media all and (max-width: 1116px) {
  .about {
    display: flex;
    flex-flow: column wrap;
    justify-content: center;
    align-items: center;
  }

  .about-img {
    flex: 1;
    margin-bottom: 20px;
  }

  .about-text {
    flex: 1;
    margin: auto;
    text-align: center;
    display: flex;
    flex-flow: column;
    justify-content: center;
    align-items: center;
  }

  .about-text h2 {
    font-size: 35px;
  }

  .about-img img {
    width: 400px;
    height: 400px;
  }
}

@media all and (max-width: 708px) {
  .footer {
    width: 100%;
    height: 670px;
```

```css
    position: relative;
    display: flex;
    flex-flow: column wrap;
    justify-content: center;
    align-items: center;
  }
}
```

JavaScript

```javascript
window.onload = function() {
  var contactBtn = document.getElementById("contactBtn");
  var packageBtn = document.getElementById("packageBtn");
  var linksDiv = document.getElementById("links");
  var placesSection = document.getElementById("places");

  contactBtn.addEventListener("click", function() {
    linksDiv.scrollIntoView({ behavior: "smooth" });
  });

  packageBtn.addEventListener("click", function() {
    placesSection.scrollIntoView({ behavior: "smooth" });
  });
};
```
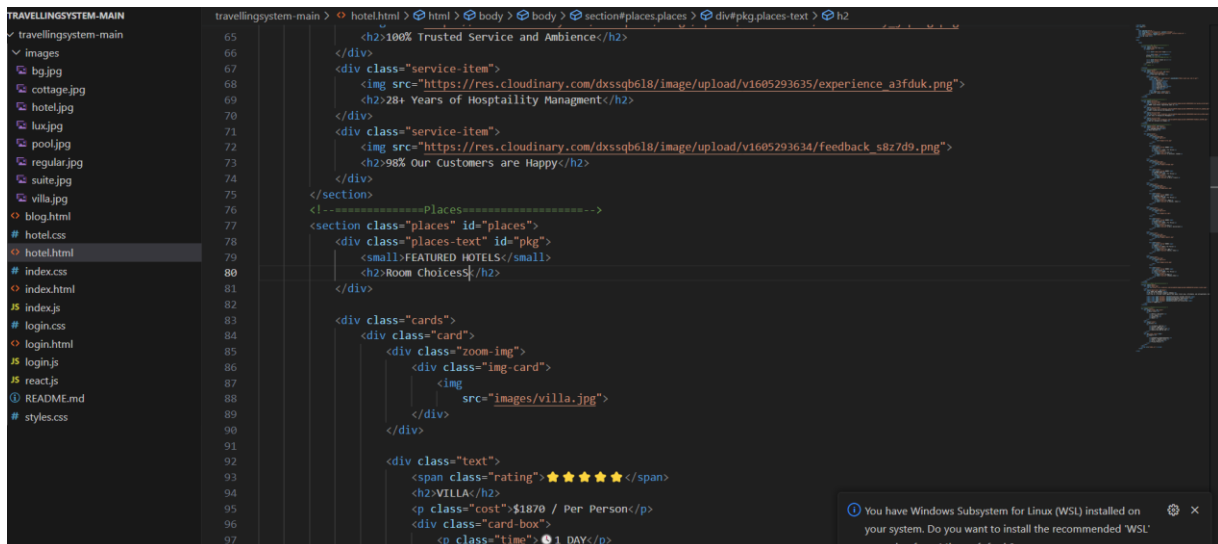

Back End Source Code

Java

```java
package travel.management.system;



import java.awt.*;

import javax.swing.*;

import java.sql.*;

import java.awt.event.*;

import javax.swing.border.*;



public class Signup extends JFrame implements ActionListener{



    private JPanel contentPane;

    private JTextField textField;

    private JTextField textField_1;

    private JTextField textField_2;

    private JTextField textField_3;

    private JButton b1, b2;

    private JComboBox comboBox;



    public static void main(String[] args) {
```

```java
            new Signup().setVisible(true);

    }


    public Signup() {

        setBounds(600, 250, 700, 406);

            contentPane = new JPanel();

            contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

            setContentPane(contentPane);

        contentPane.setBackground(Color.WHITE);

            contentPane.setLayout(null);



            JLabel lblUsername = new JLabel("Username :");

            lblUsername.setForeground(Color.DARK_GRAY);

            lblUsername.setFont(new Font("Tahoma", Font.BOLD, 14));

            lblUsername.setBounds(99, 86, 92, 26);

            contentPane.add(lblUsername);



            JLabel lblName = new JLabel("Name :");

            lblName.setForeground(Color.DARK_GRAY);

            lblName.setFont(new Font("Tahoma", Font.BOLD, 14));

            lblName.setBounds(99, 123, 92, 26);
```

```java
contentPane.add(lblName);


JLabel lblPassword = new JLabel("Password :");

lblPassword.setForeground(Color.DARK_GRAY);

lblPassword.setFont(new Font("Tahoma", Font.BOLD, 14));

lblPassword.setBounds(99, 160, 92, 26);

contentPane.add(lblPassword);


JLabel lblAnswer = new JLabel("Answer :");

lblAnswer.setForeground(Color.DARK_GRAY);

lblAnswer.setFont(new Font("Tahoma", Font.BOLD, 14));

lblAnswer.setBounds(99, 234, 92, 26);

contentPane.add(lblAnswer);


comboBox = new JComboBox();

comboBox.setModel(new DefaultComboBoxModel(new String[] { "Your NickName?", "Your Lucky Number?",

                "Your child SuperHero?", "Your childhood Name ?" }));

comboBox.setBounds(265, 202, 148, 20);

contentPane.add(comboBox);
```

```java
JLabel lblSecurityQuestion = new JLabel("Security Question :");

lblSecurityQuestion.setForeground(Color.DARK_GRAY);

lblSecurityQuestion.setFont(new Font("Tahoma", Font.BOLD, 14));

lblSecurityQuestion.setBounds(99, 197, 140, 26);

contentPane.add(lblSecurityQuestion);


ImageIcon c1 = new
ImageIcon(ClassLoader.getSystemResource("Travel/Management/System/icons/signup.png"
));

Image i1 = c1.getImage().getScaledInstance(200, 200,Image.SCALE_DEFAULT);

ImageIcon i2 = new ImageIcon(i1);


JLabel l6 = new JLabel(i2);

l6.setBounds(460, 70, 200, 200);

add(l6);


textField = new JTextField();

    textField.setBounds(265, 91, 148, 20);

    contentPane.add(textField);

    textField.setColumns(10);


    textField_1 = new JTextField();
```

```java
        textField_1.setColumns(10);

        textField_1.setBounds(265, 128, 148, 20);

        contentPane.add(textField_1);


    textField_2 = new JTextField();

        textField_2.setColumns(10);

        textField_2.setBounds(265, 165, 148, 20);

        contentPane.add(textField_2);


        textField_3 = new JTextField();

        textField_3.setColumns(10);

        textField_3.setBounds(265, 239, 148, 20);

        contentPane.add(textField_3);


        b1 = new JButton("Create");

        b1.addActionListener(this);

        b1.setFont(new Font("Tahoma", Font.BOLD, 13));

        b1.setBounds(140, 289, 100, 30);

    b1.setBackground(Color.BLACK);

    b1.setForeground(Color.WHITE);

        contentPane.add(b1);
```

```java
        b2 = new JButton("Back");

        b2.addActionListener(this);

        b2.setFont(new Font("Tahoma", Font.BOLD, 13));

        b2.setBounds(300, 289, 100, 30);

        b2.setBackground(Color.BLACK);

    b2.setForeground(Color.WHITE);

        contentPane.add(b2);


        JPanel panel = new JPanel();

        panel.setForeground(new Color(34, 139, 34));

        panel.setBorder(new TitledBorder(new LineBorder(new Color(128, 128, 0), 2),
"Create-Account",

                    TitledBorder.LEADING, TitledBorder.TOP, null, new Color(34, 139,
34)));

        panel.setBounds(31, 30, 640, 310);

    panel.setBackground(Color.WHITE);

        contentPane.add(panel);

    }



    public void actionPerformed(ActionEvent ae){

        try{
```

```java
        Conn con = new Conn();

    if(ae.getSource() == b1){

        String sql = "insert into account(username, name, password, question, answer)
values(?, ?, ?, ?, ?)";

            PreparedStatement st = con.c.prepareStatement(sql);

            st.setString(1, textField.getText());

        st.setString(2, textField_1.getText());

            st.setString(3, textField_2.getText());

            st.setString(4, (String) comboBox.getSelectedItem());

            st.setString(5, textField_3.getText());

            int i = st.executeUpdate();

            if (i > 0){

            JOptionPane.showMessageDialog(null, "Account Created Successfully ");

        }

        textField.setText("");

        textField_1.setText("");

            textField_2.setText("");

            textField_3.setText("");
```

```java
            }

            if(ae.getSource() == b2){

                this.setVisible(false);

                new Login().setVisible(true);



            }

        }catch(Exception e){

            System.out.println(e);

        }

    }

}
```

Java

```java
package travel.management.system;

import java.awt.*;

import javax.swing.*;

import java.awt.event.*;

import java.sql.*;

public class Login extends JFrame implements ActionListener{

    private JPanel panel;

    private JTextField textField;

    private JPasswordField passwordField;
```

```java
private JButton b1,b2,b3;

    public Login() {

    setBackground(new Color(255, 255, 204));

setBounds(550, 250, 700, 400);



panel = new JPanel();

    panel.setBackground(Color.WHITE);

    setContentPane(panel);

    panel.setLayout(null);



    JLabel l1 = new JLabel("Username : ");

    l1.setBounds(124, 89, 95, 24);

    panel.add(l1);



    JLabel l2 = new JLabel("Password : ");

    l2.setBounds(124, 124, 95, 24);

    panel.add(l2);



    textField = new JTextField();

    textField.setBounds(210, 93, 157, 20);

    panel.add(textField);
```

```java
        passwordField = new JPasswordField();

        passwordField.setBounds(210, 128, 157, 20);

        panel.add(passwordField);



        JLabel l3 = new JLabel("");

        l3.setBounds(377, 79, 46, 34);

        panel.add(l3);



        JLabel l4 = new JLabel("");

        l4.setBounds(377, 124, 46, 34);

        panel.add(l3);



    ImageIcon c1 = new
ImageIcon(ClassLoader.getSystemResource("Travel/Management/System/icons/login.png"))
;

    Image i1 = c1.getImage().getScaledInstance(150, 150,Image.SCALE_DEFAULT);

    ImageIcon i2 = new ImageIcon(i1);




    JLabel l6 = new JLabel(i2);

    l6.setBounds(480, 70, 150, 150);
```

```java
        add(l6);



        b1 = new JButton("Login");

        b1.addActionListener(this);



        b1.setForeground(new Color(46, 139, 87));

        b1.setBackground(new Color(176, 224, 230));

        b1.setBounds(149, 181, 113, 25);

        panel.add(b1);



    b2 = new JButton("SignUp");

        b2.addActionListener(this);



        b2.setForeground(new Color(139, 69, 19));

        b2.setBackground(new Color(255, 235, 205));

        b2.setBounds(289, 181, 113, 25);

        panel.add(b2);



        b3 = new JButton("Forgot Password");

        b3.addActionListener(this);
```

```java
        b3.setForeground(new Color(205, 92, 92));

        b3.setBackground(new Color(253, 245, 230));

        b3.setBounds(199, 231, 179, 25);

        panel.add(b3);



        JLabel l5 = new JLabel("Trouble in Login?");

        l5.setFont(new Font("Tahoma", Font.PLAIN, 15));

        l5.setForeground(new Color(255, 0, 0));

        l5.setBounds(70, 235, 110, 20);

        panel.add(l5);



    JPanel panel2 = new JPanel();

    panel2.setBackground(new Color(255, 255, 204));

    panel2.setBounds(24, 40, 434, 263);

    panel.add(panel2);

        }



    public void actionPerformed(ActionEvent ae){

        if(ae.getSource() == b1){

            Boolean status = false;
```

```java
        try {

            Conn con = new Conn();

            String sql = "select * from account where username=? and password=?";

            PreparedStatement st = con.c.prepareStatement(sql);


            st.setString(1, textField.getText());

            st.setString(2, passwordField.getText());


            ResultSet rs = st.executeQuery();

            if (rs.next()) {

                this.setVisible(false);

                new Loading(textField.getText()).setVisible(true);

            } else

                    JOptionPane.showMessageDialog(null, "Invalid Login or Password!");


            } catch (Exception e2) {

            e2.printStackTrace();

            }

    }

    if(ae.getSource() == b2){

        setVisible(false);
```

```java
            Signup su = new Signup();

            su.setVisible(true);

        }

    if(ae.getSource() == b3){

        setVisible(false);

            ForgotPassword forgot = new ForgotPassword();

            forgot.setVisible(true);

        }

    }


    public static void main(String[] args) {

        new Login().setVisible(true);

    }



}
```

<u>Database: MySQL</u>

```sql
-- phpMyAdmin SQL Dump
-- version 4.9.0.1
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: May 11, 2021 at 06:38 AM
-- Server version: 10.3.15-MariaDB
-- PHP Version: 7.2.19

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
```

```sql
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;


--
-- Database: `tms`
--


-- --------------------------------------------------------


--
-- Table structure for table `admin`
--

CREATE TABLE `admin` (
  `id` int(11) NOT NULL,
  `UserName` varchar(100) DEFAULT NULL,
  `Password` varchar(100) DEFAULT NULL,
  `updationDate` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `admin`
--

INSERT INTO `admin` (`id`, `UserName`, `Password`, `updationDate`) VALUES
(1, 'admin', 'f925916e2754e5e03f75dd58a5733251', '2020-05-11 11:18:49');


-- --------------------------------------------------------


--
-- Table structure for table `tblbooking`
--

CREATE TABLE `tblbooking` (
  `BookingId` int(11) NOT NULL,
  `PackageId` int(11) DEFAULT NULL,
  `UserEmail` varchar(100) DEFAULT NULL,
  `FromDate` varchar(100) DEFAULT NULL,
  `ToDate` varchar(100) DEFAULT NULL,
  `Comment` mediumtext DEFAULT NULL,
  `RegDate` timestamp NULL DEFAULT current_timestamp(),
  `status` int(11) DEFAULT NULL,
  `CancelledBy` varchar(5) DEFAULT NULL,
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```sql
--
-- Dumping data for table `tblbooking`
--

INSERT INTO `tblbooking` (`BookingId`, `PackageId`, `UserEmail`, `FromDate`,
`ToDate`, `Comment`, `RegDate`, `status`, `CancelledBy`, `UpdationDate`)
VALUES
(1, 1, 'test@gmail.com', '2020-07-11', '2020-07-18', 'I want this package.',
'2020-07-08 06:38:36', 2, 'u', '2020-07-08 06:53:45'),
(2, 2, 'test@gmail.com', '2020-07-10', '2020-07-13', 'There is some discount',
'2020-07-08 06:43:25', 1, NULL, '2020-07-08 06:52:44'),
(3, 4, 'abir@gmail.com', '2020-07-11', '2020-07-15', 'When I get
conformation', '2020-07-08 06:44:39', 2, 'a', '2020-07-08 06:49:55');


-- --------------------------------------------------------


--
-- Table structure for table `tblenquiry`
--

CREATE TABLE `tblenquiry` (
  `id` int(11) NOT NULL,
  `FullName` varchar(100) DEFAULT NULL,
  `EmailId` varchar(100) DEFAULT NULL,
  `MobileNumber` char(10) DEFAULT NULL,
  `Subject` varchar(100) DEFAULT NULL,
  `Description` mediumtext DEFAULT NULL,
  `PostingDate` timestamp NULL DEFAULT current_timestamp(),
  `Status` int(1) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `tblenquiry`
--

INSERT INTO `tblenquiry` (`id`, `FullName`, `EmailId`, `MobileNumber`,
`Subject`, `Description`, `PostingDate`, `Status`) VALUES
(1, 'Jone Paaire', 'jone@gmail.com', '4646464646', 'Enquiry for Manali Trip',
'Kindly provide me more offer.', '2020-07-08 06:30:32', 1),
(2, 'Kishan Twaerea', 'kishan@gmail.com', '6797947987', 'Enquiry', 'Any Offer
for North Trip', '2020-07-08 06:31:38', NULL),
(3, 'Jacaob', 'Jai@gmail.com', '1646689721', 'Any offer for North', 'Any Offer
for north', '2020-07-08 06:32:41', 1);


-- --------------------------------------------------------


--
-- Table structure for table `tblissues`
--
```

```sql
CREATE TABLE `tblissues` (
  `id` int(11) NOT NULL,
  `UserEmail` varchar(100) DEFAULT NULL,
  `Issue` varchar(100) DEFAULT NULL,
  `Description` mediumtext DEFAULT NULL,
  `PostingDate` timestamp NULL DEFAULT current_timestamp(),
  `AdminRemark` mediumtext DEFAULT NULL,
  `AdminremarkDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblissues`
--

INSERT INTO `tblissues` (`id`, `UserEmail`, `Issue`, `Description`,
`PostingDate`, `AdminRemark`, `AdminremarkDate`) VALUES
(1, NULL, NULL, NULL, '2020-07-08 06:33:20', NULL, NULL),
(2, NULL, NULL, NULL, '2020-07-08 06:33:56', NULL, NULL),
(3, NULL, NULL, NULL, '2020-07-08 06:34:20', NULL, NULL),
(4, NULL, NULL, NULL, '2020-07-08 06:34:38', NULL, NULL),
(5, NULL, NULL, NULL, '2020-07-08 06:35:06', NULL, NULL),
(6, 'test@gmail.com', 'Booking Issues', 'I am not able to book package',
'2020-07-08 06:36:03', 'Ok, We will fix the issue asap', '2020-07-08
06:55:22'),
(7, 'test@gmail.com', 'Refund', 'I want my refund', '2020-07-08 06:56:29',
NULL, NULL);

-- --------------------------------------------------------

--
-- Table structure for table `tblpages`
--

CREATE TABLE `tblpages` (
  `id` int(11) NOT NULL,
  `type` varchar(255) DEFAULT '',
  `detail` longtext DEFAULT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblpages`
--

INSERT INTO `tblpages` (`id`, `type`, `detail`) VALUES
(1, 'terms', '                    <p align=\"justify\"><font
size=\"2\"><strong><font color=\"#990000\">(1) ACCEPTANCE OF
TERMS</font><br><br></strong>Welcome to Yahoo! India. 1Yahoo Web Services
India Private Limited Yahoo\", \"we\" or \"us\" as the case may be) provides
the Service (defined below) to you, subject to the following Terms of Service
(\"TOS\"), which may be updated by us from time to time without notice to you.
You can review the most current version of the TOS at any time at: <a
```

href=\"http://in.docs.yahoo.com/info/terms/\">http://in.docs.yahoo.com/info/terms/. In addition, when using particular Yahoo services or third party services, you and Yahoo shall be subject to any posted guidelines or rules applicable to such services which may be posted from time to time. All such guidelines or rules, which maybe subject to change, are hereby incorporated by reference into the TOS. In most cases the guides and rules are specific to a particular part of the Service and will assist you in applying the TOS to that part, but to the extent of any inconsistency between the TOS and any guide or rule, the TOS will prevail. We may also offer other services from time to time that are governed by different Terms of Services, in which case the TOS do not apply to such other services if and to the extent expressly excluded by such different Terms of Services. Yahoo also may offer other services from time to time that are governed by different Terms of Services. These TOS do not apply to such other services that are governed by different Terms of Service. </p>\r\n<p align=\"justify\">Welcome to Yahoo! India. Yahoo Web Services India Private Limited Yahoo\", \"we\" or \"us\" as the case may be) provides the Service (defined below) to you, subject to the following Terms of Service (\"TOS\"), which may be updated by us from time to time without notice to you. You can review the most current version of the TOS at any time at: http://in.docs.yahoo.com/info/terms/. In addition, when using particular Yahoo services or third party services, you and Yahoo shall be subject to any posted guidelines or rules applicable to such services which may be posted from time to time. All such guidelines or rules, which maybe subject to change, are hereby incorporated by reference into the TOS. In most cases the guides and rules are specific to a particular part of the Service and will assist you in applying the TOS to that part, but to the extent of any inconsistency between the TOS and any guide or rule, the TOS will prevail. We may also offer other services from time to time that are governed by different Terms of Services, in which case the TOS do not apply to such other services if and to the extent expressly excluded by such different Terms of Services. Yahoo also may offer other services from time to time that are governed by different Terms of Services. These TOS do not apply to such other services that are governed by different Terms of Service. </p>\r\n<p align=\"justify\">Welcome to Yahoo! India. Yahoo Web Services India Private Limited Yahoo\", \"we\" or \"us\" as the case may be) provides the Service (defined below) to you, subject to the following Terms of Service (\"TOS\"), which may be updated by us from time to time without notice to you. You can review the most current version of the TOS at any time at: http://in.docs.yahoo.com/info/terms/<font size=\"2\">. In addition, when using particular Yahoo services or third party services, you and Yahoo shall be subject to any posted guidelines or rules applicable to such services which may be posted from time to time. All such guidelines or rules, which maybe subject to change, are hereby incorporated by reference into the TOS. In most cases the guides and rules are specific to a particular part of the Service and will assist you in applying the TOS to that part, but to the extent of any inconsistency between the TOS and any guide or rule, the TOS will prevail. We may also offer other services from time to time that are governed by different Terms of Services, in which case the TOS do not apply to such other services if and to the extent expressly excluded by such different

```
Terms of Services. Yahoo also may offer other services from time to time that
are governed by different Terms of Services. These TOS do not apply to such
other services that are governed by different Terms of Service.
</font></p>\r\n                        '),
(2, 'privacy', '                        <span style=\"color: rgb(0, 0, 0); font-
family: &quot;Open Sans&quot;, Arial, sans-serif; font-size: 14px; text-align:
justify;\">At vero eos et accusamus et iusto odio dignissimos ducimus qui
blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas
molestias excepturi sint occaecati cupiditate non provident, similique sunt in
culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et
harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum
soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime
placeat facere possimus, omnis voluptas assumenda est, omnis dolor
repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum
necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae
non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut
reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus
asperiores repellat</span>\r\n                        '),
(3, 'aboutus', '<div><span style=\"color: rgb(0, 0, 0); font-family: Georgia;
font-size: 15px; text-align: justify; font-weight: bold;\">Welcome to Tourism
Management System!!!</span></div><span style=\"font-family: &quot;courier
new&quot;;\"><span style=\"color: rgb(0, 0, 0); font-size: 15px; text-align:
justify;\">Since then, our courteous and committed team members have always
ensured a pleasant and enjoyable tour for the clients. This arduous effort has
enabled Shreya Tour &amp; Travels to be recognized as a dependable Travel
Solutions provider with three offices Delhi.</span><span style=\"color:
rgb(80, 80, 80); font-size: 13px;\"> We have got packages to suit the
discerning traveler\'s budget and savor. Book your dream vacation online.
Supported quality and proposals of our travel consultants, we have a tendency
to welcome you to decide on from holidays packages and customize them
according to your plan.</span></span>'),
(11, 'contact', '                        <span style=\"color:
rgb(0, 0, 0); font-family: &quot;Open Sans&quot;, Arial, sans-serif; font-
size: 14px; text-align: justify;\">Address------J-890 Dwarka House New Delhi-
110096</span>');

-- --------------------------------------------------------

--
-- Table structure for table `tbltourpackages`
--

CREATE TABLE `tbltourpackages` (
  `PackageId` int(11) NOT NULL,
  `PackageName` varchar(200) DEFAULT NULL,
  `PackageType` varchar(150) DEFAULT NULL,
  `PackageLocation` varchar(100) DEFAULT NULL,
  `PackagePrice` int(11) DEFAULT NULL,
  `PackageFetures` varchar(255) DEFAULT NULL,
  `PackageDetails` mediumtext DEFAULT NULL,
  `PackageImage` varchar(100) DEFAULT NULL,
```

```sql
  `Creationdate` timestamp NULL DEFAULT current_timestamp(),
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `tbltourpackages`
--

INSERT INTO `tbltourpackages` (`PackageId`, `PackageName`, `PackageType`,
`PackageLocation`, `PackagePrice`, `PackageFetures`, `PackageDetails`,
`PackageImage`, `Creationdate`, `UpdationDate`) VALUES
(1, 'Swiss Paris Delight Premium 2020 (Group Package)', 'Group Package',
'Paris and Switzerland', 6000, ' Round trip Economy class airfare valid for
the duration of the holiday - Airport taxes - Accommodation for 3 nights in
Paris and 3 nights in scenic Switzerland - Enjoy continental breakfasts every
morning - Enjoy 5 Indian dinners in Mainland Europe - Exp', 'Pick this holiday
for a relaxing vacation in Paris and Switzerland. Your tour embarks from
Paris. Enjoy an excursion to popular attractions like the iconic Eiffel Tower.
After experiencing the beautiful city, you will drive past mustard fields
through Burgundy to reach Switzerland. While there, you can opt for a tour to
Interlaken and then to the Trummelbach Falls. Photostop at Zurich Lake and a
cable car ride to Mt. Titlis are the main highlights of the holiday.',
'1581490262_2_1.jpg', '2020-07-08 05:21:58', NULL),
(2, 'Bhutan Holidays - Thimphu and Paro Special', 'Family Package', 'Bhutan',
3000, 'Free Wi-fi, Free Breakfast, Free Pickup and drop facility ', 'Visit to
Tiger\'s Nest Monastery | Complimentary services of a Professional Guide',
'BHUTAN-THIMPU-PARO-PUNAKHA-TOUR-6N-7D.jpeg', '2020-07-08 05:37:40', '2020-07-
08 06:09:01'),
(3, 'Soulmate Special Bali - 7 Nights', 'Couple Package', 'Indonesia(Bali)',
5000, 'Free Pickup and drop facility, Free Wi-fi , Free professional guide',
'Airport transfers by private car | Popular Sightseeing included | Suitable
for Couple and budget travelers', '1583140977_5_11.jpg', '2020-07-08
05:41:07', '2020-07-09 05:23:27'),
(4, 'Kerala - A Lovers Paradise - Value Added', 'Family Package', 'Kerala',
1000, 'Free Wi-fi, Free pick up and drop facility,', 'Visit Matupetty Dam, tea
plantation and a spice garden | View sunset in Kanyakumari | AC Car at
disposal for 2hrs extra (once per city)', 'images (2).jpg', '2020-07-08
05:45:58', NULL),
(5, 'Short Trip To Dubai', 'Family', 'Dubai', 4500, 'Free pick up and drop
facility, Free Wi-fi, Free breakfast', 'A Holiday Package for the entire
family.', 'unnamed.jpg', '2020-07-08 05:49:13', NULL),
(6, 'Sikkim Delight with Darjeeling (customizable)', 'Group', 'Sikkim', 3500,
'Free Breakfast, Free Pick up drop facility', 'Changu Lake and New Baba Mandir
excursion | View the sunrise from Tiger Hill | Get Blessed at the famous
Rumtek Monastery', 'download (2).jpg', '2020-07-08 05:51:26', NULL),
(7, '6 Days in Guwahati and Shillong With Cherrapunji Excursion', 'Family
Package', 'Guwahati(Sikkim)', 4500, 'Breakfast,  Accommodation » Pick-up »
Drop » Sightseeing', 'After arrival at Guwahati airport meet our
representative & proceed for Shillong. Shillong is the capital and hill
station of Meghalaya, also known as Abode of Cloud, one of the smallest states
in India. En route visit Barapani lake. By afternoon reach at Shillong. Check
```

```sql
in to the hotel. Evening is leisure. Spent time as you want. Visit Police
bazar. Overnight stay at Shillong.', '95995.jpg', '2020-07-08 05:54:42',
NULL),
(8, 'Grand Week in North East - Lachung, Lachen and Gangtok', 'Domestic
Packages', 'Sikkim', 4500, 'Free Breakfast, Free Wi-fi', 'Changu Lakeand New
Baba Mandir excursion | Yumthang Valley tour | Gurudongmar Lake excursion |
Night stay in Lachen', 'download (3).jpg', '2020-07-08 06:05:24', NULL),
(9, 'Gangtok & Darjeeling Holiday (Without Flights)', 'Family Package',
'Sikkim', 1000, 'Free Wi-fi, Free pickup and drop facility', 'Ideal tour for
Family | Sightseeing in Gangtok and Darjeeling | Full day excursion to idyllic
Changu Lake | Visit to Ghoom Monastery',
'1540382781_shutterstock_661867435.jpg.jpg', '2020-07-08 06:07:48', NULL);


-- --------------------------------------------------------

--
-- Table structure for table `tblusers`
--

CREATE TABLE `tblusers` (
  `id` int(11) NOT NULL,
  `FullName` varchar(100) DEFAULT NULL,
  `MobileNumber` char(10) DEFAULT NULL,
  `EmailId` varchar(70) DEFAULT NULL,
  `Password` varchar(100) DEFAULT NULL,
  `RegDate` timestamp NULL DEFAULT current_timestamp(),
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblusers`
--

INSERT INTO `tblusers` (`id`, `FullName`, `MobileNumber`, `EmailId`,
`Password`, `RegDate`, `UpdationDate`) VALUES
(1, 'Manju Srivatav', '4456464654', 'manju@gmail.com',
'202cb962ac59075b964b07152d234b70', '2020-07-08 06:33:20', NULL),
(2, 'Kishan', '9871987979', 'kishan@gmail.com',
'202cb962ac59075b964b07152d234b70', '2020-07-08 06:33:56', NULL),
(3, 'Salvi Chandra', '1398756416', 'salvi@gmail.com',
'202cb962ac59075b964b07152d234b70', '2020-07-08 06:34:20', NULL),
(4, 'Abir', '4789756456', 'abir@gmail.com',
'202cb962ac59075b964b07152d234b70', '2020-07-08 06:34:38', NULL),
(5, 'Test', '1987894654', 'anuj@gmail.com',
'f925916e2754e5e03f75dd58a5733251', '2020-07-08 06:35:06', '2021-05-11
04:37:41');


--
-- Indexes for dumped tables
--
```

```sql
--
-- Indexes for table `admin`
--
ALTER TABLE `admin`
  ADD PRIMARY KEY (`id`);


--
-- Indexes for table `tblbooking`
--
ALTER TABLE `tblbooking`
  ADD PRIMARY KEY (`BookingId`);


--
-- Indexes for table `tblenquiry`
--
ALTER TABLE `tblenquiry`
  ADD PRIMARY KEY (`id`);


--
-- Indexes for table `tblissues`
--
ALTER TABLE `tblissues`
  ADD PRIMARY KEY (`id`);


--
-- Indexes for table `tblpages`
--
ALTER TABLE `tblpages`
  ADD PRIMARY KEY (`id`);


--
-- Indexes for table `tbltourpackages`
--
ALTER TABLE `tbltourpackages`
  ADD PRIMARY KEY (`PackageId`);


--
-- Indexes for table `tblusers`
--
ALTER TABLE `tblusers`
  ADD PRIMARY KEY (`id`),
  ADD KEY `EmailId` (`EmailId`),
  ADD KEY `EmailId_2` (`EmailId`);


--
-- AUTO_INCREMENT for dumped tables
--


--
-- AUTO_INCREMENT for table `admin`
--
```

```sql
ALTER TABLE `admin`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;


--
-- AUTO_INCREMENT for table `tblbooking`
--
ALTER TABLE `tblbooking`
  MODIFY `BookingId` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;


--
-- AUTO_INCREMENT for table `tblenquiry`
--
ALTER TABLE `tblenquiry`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;


--
-- AUTO_INCREMENT for table `tblissues`
--
ALTER TABLE `tblissues`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;


--
-- AUTO_INCREMENT for table `tblpages`
--
ALTER TABLE `tblpages`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=22;


--
-- AUTO_INCREMENT for table `tbltourpackages`
--
ALTER TABLE `tbltourpackages`
  MODIFY `PackageId` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=10;


--
-- AUTO_INCREMENT for table `tblusers`
--
ALTER TABLE `tblusers`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

NetBeans used for Back end.

TEST PLAN METHODS

TESTING

Test cases No.	Test case	Input Data	Steps to execute the test case	Expected Result	Actual Result	Pass/Fail
1	Login Screen	Wrong username or password	After entering the data click on the login button	A proper message indicating the error should appear and the user should be redirected to login screen.	A message was displayed saying Invalid username or password	Pass
2	Insertion	If any field was not entered.	After entering the data click on the create button	A proper message indicating the error should appear and the user should be redirected to customer screen.	A message was displayed saying Enter all the details properly	Pass
3	Deletion	If any field was not entered.	After entering the data click on the delete button	A proper message indicating the error should appear and the user should be redirected to customer screen.	A message was displayed saying Enter all the details properly	Pass

4	Update	If any field was not entered.	After entering the data click on the update button	A proper message indicating the error should appear and the user should be redirected to update customer screen.	A message was displayed saying Enter all the details properly	Pass

Screenshots of the Website

<u>Home Page</u>
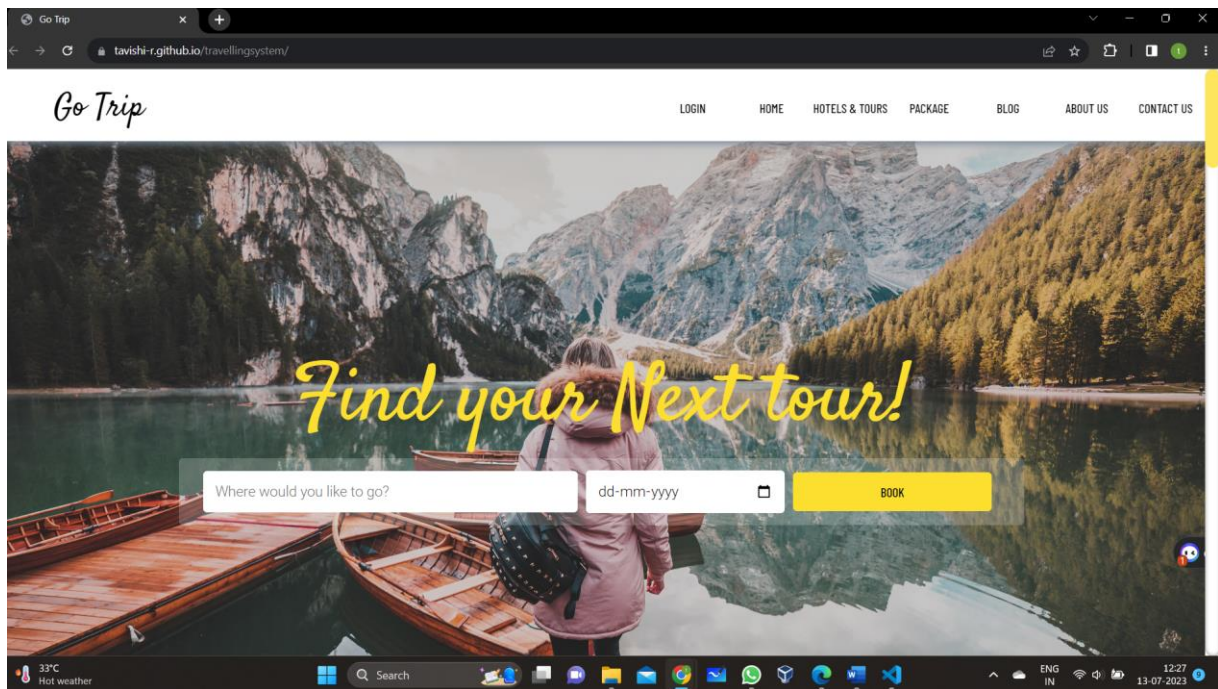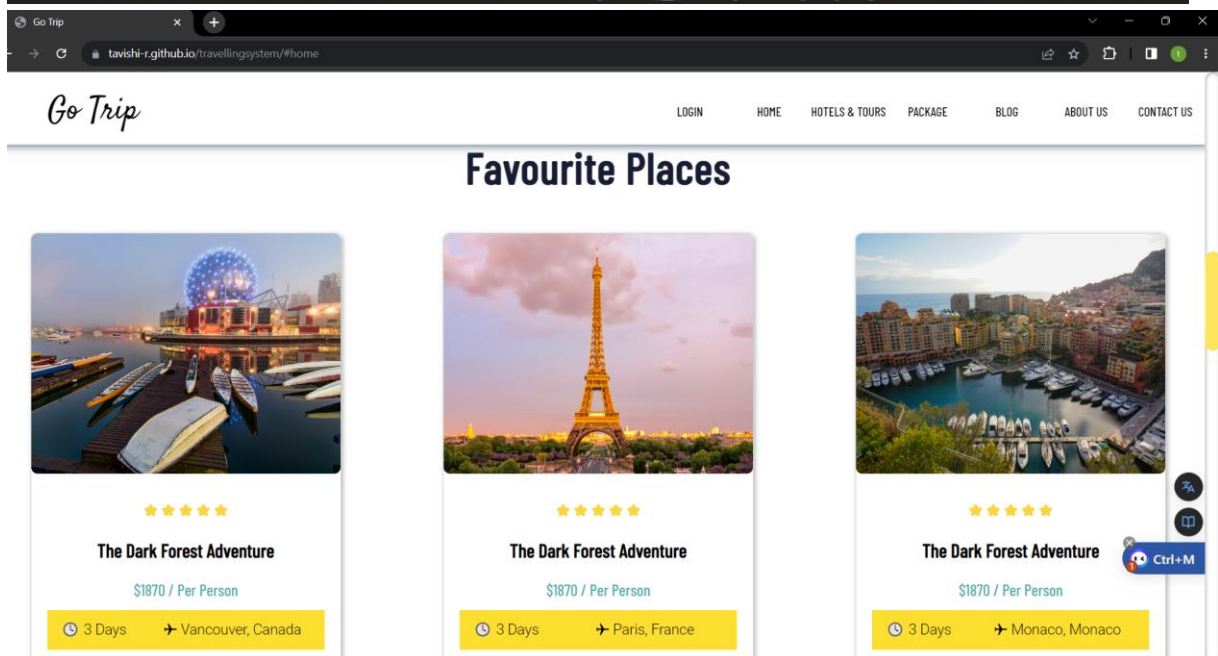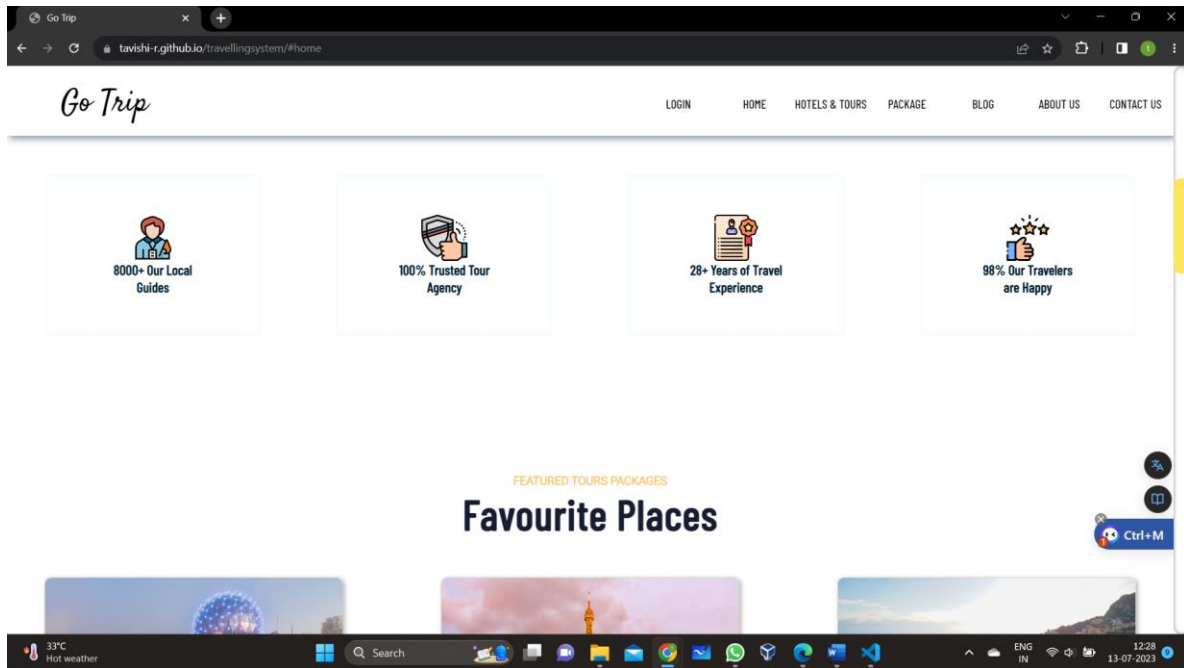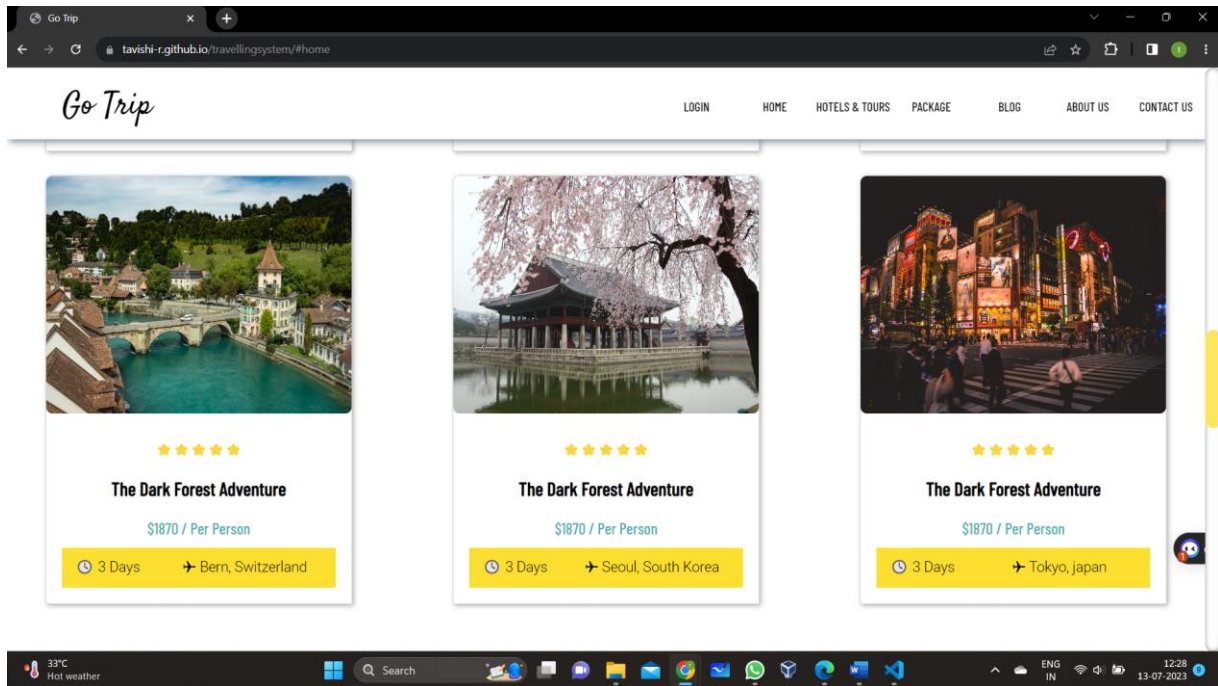
Login Page
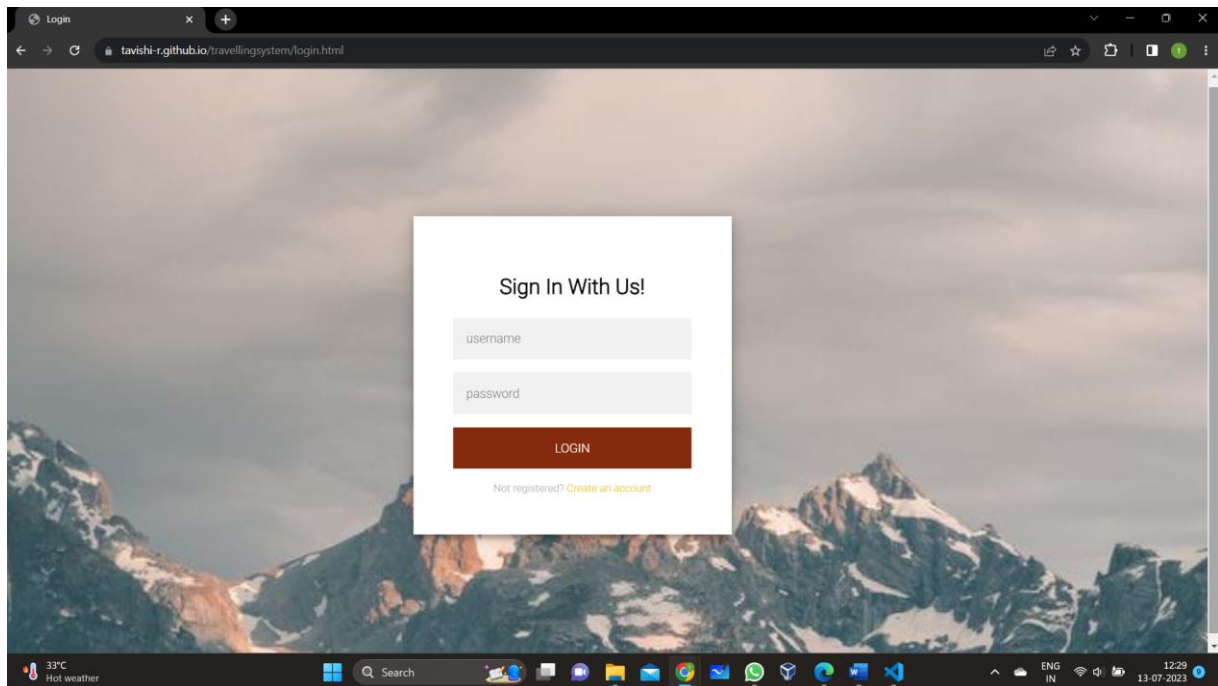
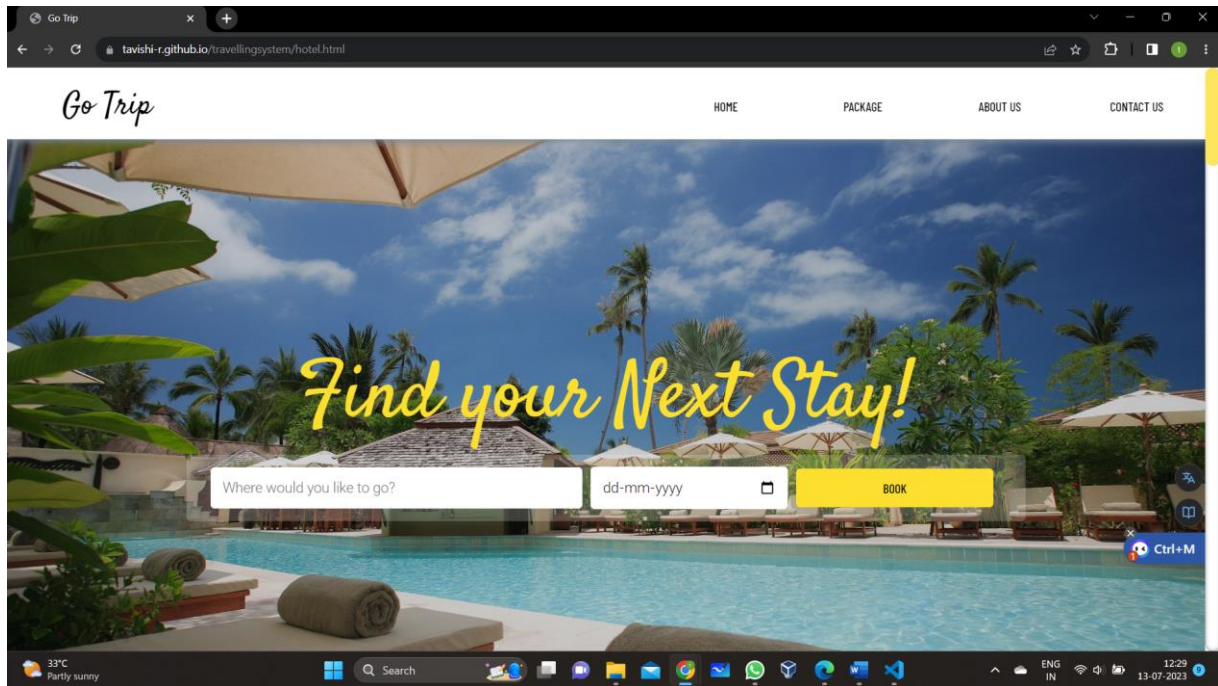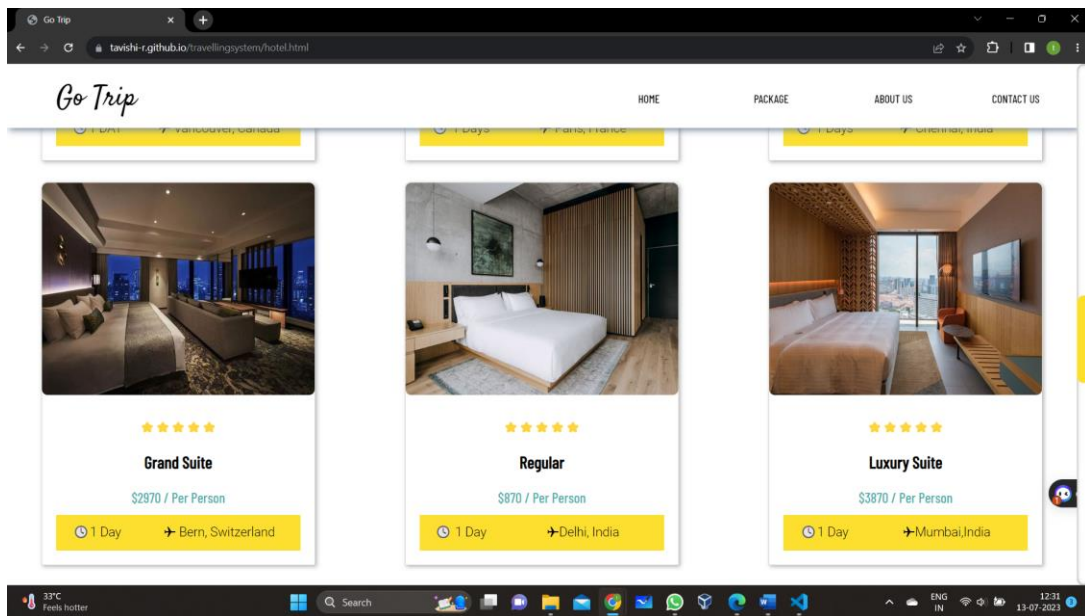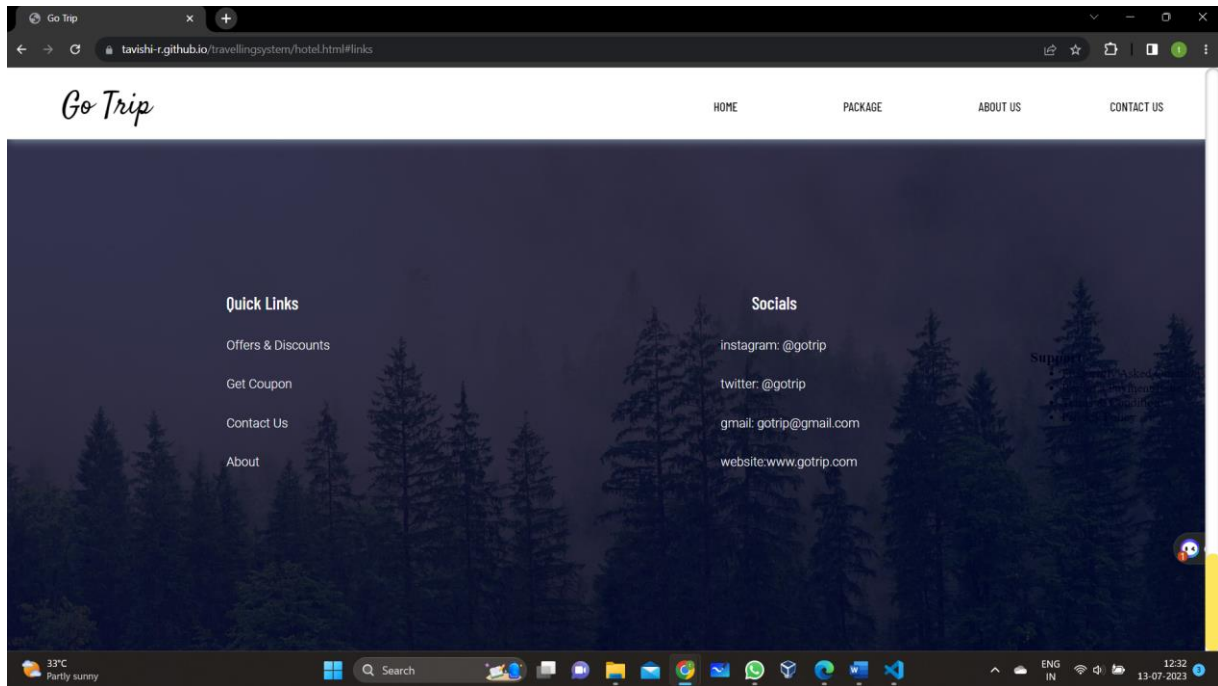Hotels and Tour Page
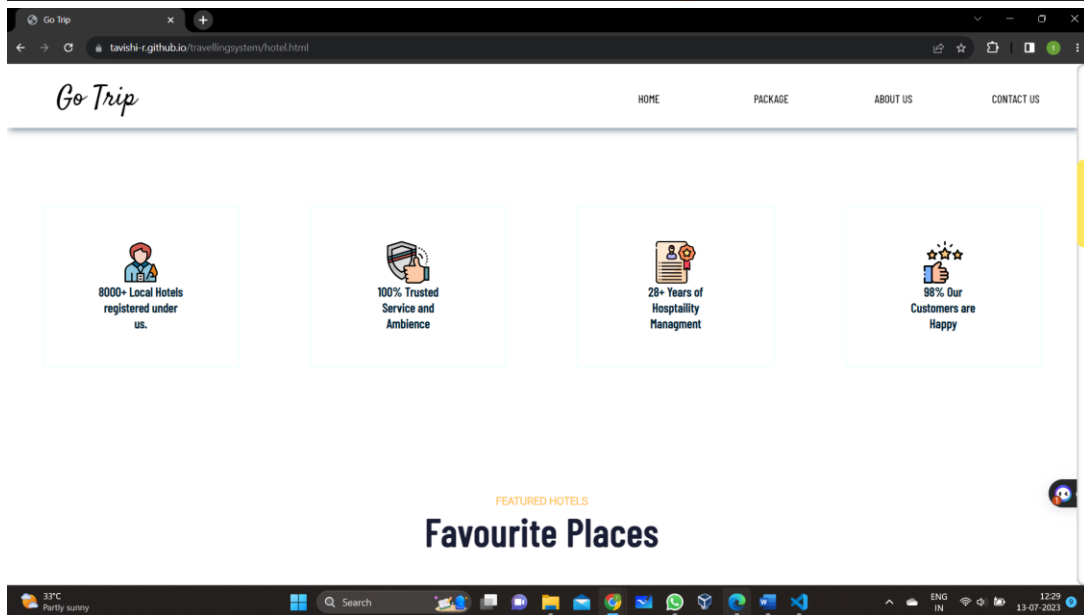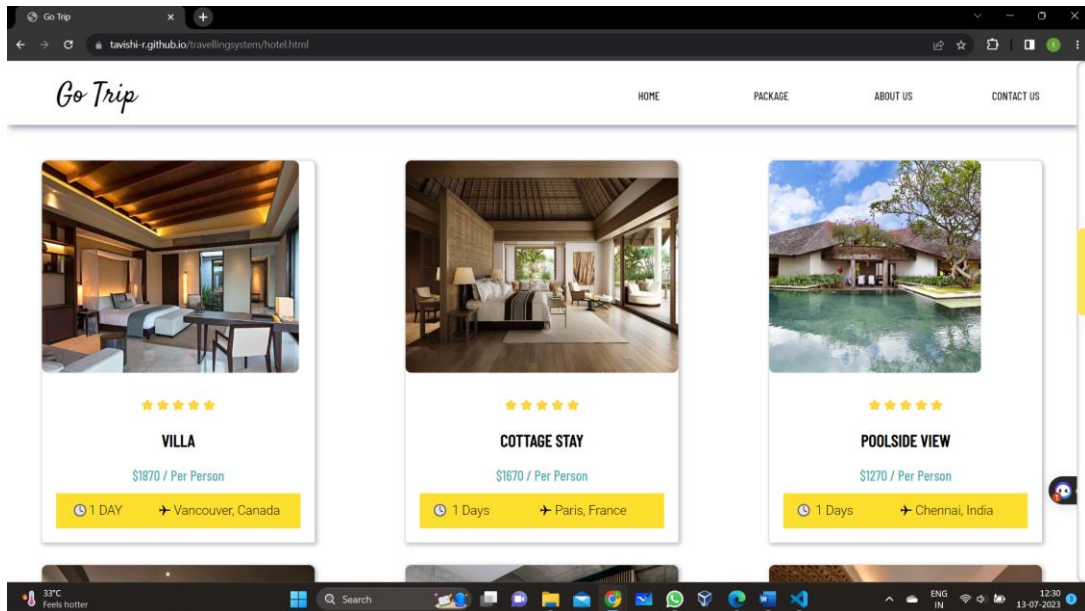
About Us Page
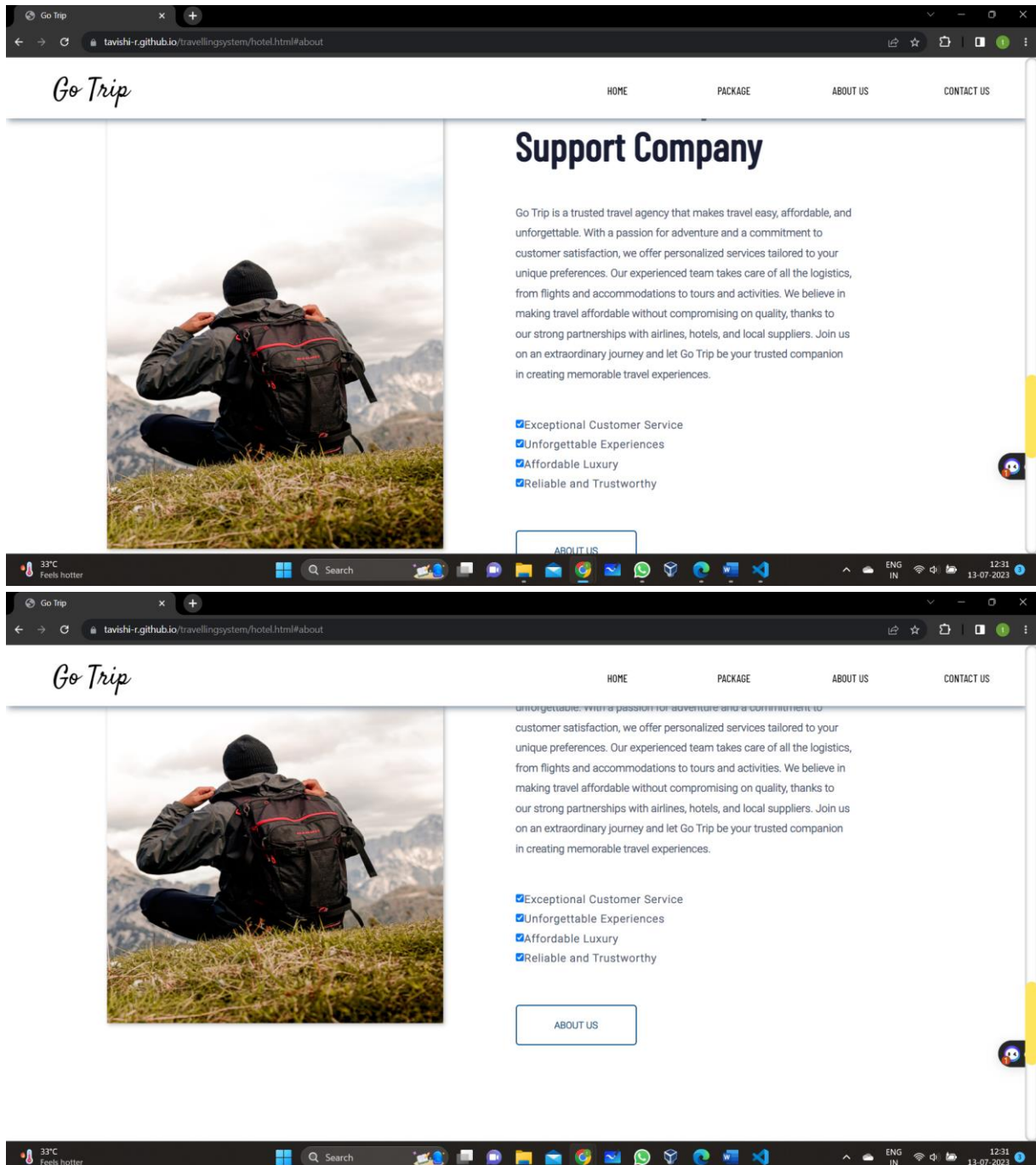
Contact Us Page

Conclusion and Future Work

The process of the system we can consider here, can maintain the databases of the system. We can insert to the databases and retrieve all the information.

The main aim of this project is to help the tourists to manage their trip. It makes all operation of the tour company easy and accurate. The standalone platform makes tourism management easy by handling requests and providing servers for the customers located at different parts of the various

cities. Different modules have been incorporated in this project to handle different parts and sector of the tour management field.