

TOURS AND TRAVEL MANAGEMENT SYSTEM
LAB REPORT

Submitted by

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In partial satisfaction of the requirements for the degree of

BACHELOR OF TECHNOLOGY
in
COMPUTER SCIENCE ENGINEERING

with specialization in Computer Science and Engineering

SCHOOL OF COMPUTING

COLLEGE OF ENGINEERING AND TECHNOLOGY
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR - 603203

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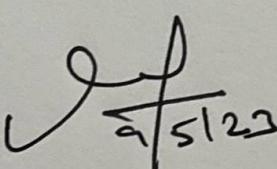


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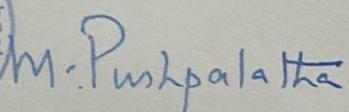
Register No. RA2111003011553 Certified to be the bonafide work done by
HARSHITHA RAO .J of II Year/IV Sem B. Tech Degree Course in the **Practical Software Software Engineering and Project Management 18CSC206J** in SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Kattankulathur during the academic year 2022 – 2023.

S. 
LAB INCHARGE

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Date : 09/05/2023

ABSTRACT

The Tours and Travel Management System project is a web-based application that aims to simplify the process of managing and booking tours and travel-related services. The system enables tour operators and travel agents to manage their services and offerings, and also provides customers with a user-friendly platform to browse and book trips. The system includes features such as online booking and payment, itinerary planning, customer management, and reporting. It is designed to streamline the entire process of tour and travel management, from the initial inquiry to the final payment, and to provide an efficient and effective solution for both service providers and customers. This paper provides an overview of the project, including its objectives, features, and implementation details.

TABLE OF CONTENTS

| CHAPTER NO | TITLE | PAGE NO |
|------------|--|---------|
| | ABSTRACT | iii |
| | LIST OF FIGURES | v |
| | LIST OF TABLES | vi |
| | LIST OF ABBREVIATIONS | vii |
| 1 | PROBLEM STATEMENT | 1 |
| 2 | STAKEHOLDERS & PROCESS MODELS | 9 |
| 3 | IDENTIFYING REQUIREMENTS | 14 |
| 4 | PROJECT PLAN & EFFORT | 19 |
| 5 | WORK BREAKDOWN STRUCTURE & RISK ANALYSIS | 30 |
| 6 | SYSTEM ARCHITECTURE, USE CASE & CLASS DIAGRAM | 38 |
| 7 | ENTITY RELATIONSHIP DIAGRAM | 43 |
| 8 | DATA FLOW DIAGRAM | 47 |
| 9 | SEQUENCE & COLLABORATION DIAGRAM | 50 |
| 10 | DEVELOPMENT OF TESTING FRAMEWORK/USER INTERFACE | 54 |
| 11 | TEST CASES & REPORTING | 64 |
| 12 | ARCHITECTURE/DESIGN/FRAMEWORK/IMPLEMENTATION | 72 |
| | CONCLUSION | 82 |
| | REFERENCES | 83 |

LIST OF FIGURES

| FIGURE NO | TITLE | PAGE NO |
|------------------|---|----------------|
| 1 | WORK BREAKDOWN STRUCTURE EXAMPLE | 31 |
| 2 | SYSTEM ARCHITECTURE | 40 |
| 3 | USE CASE DIAGRAM | 41 |
| 4 | CLASS DIAGRAM | 42 |
| 5 | ER DIAGRAM OF TOURS AND TRAVEL MANAGEMENT SYSTEM | 45 |
| 6 | ZERO LEVEL DFD TOURS AND MANAGEMENT SYSTEM | 48 |
| 7 | FIRST LEVEL DFD FOR TOURS AND TRAVEL MANAGEMENT SYSTEM | 49 |
| 8 | SEQUENCE DIAGRAM FOR PROJECT TOURS AND TRAVEL MANAGEMENT SYSTEM | 51 |
| 9 | COLLBORATION DIAGRAM FOR PROJECT TOURS AND TRAVELS MANAGEMENT SYSTEM | 52 |
| 10 | ABOUT PAGE IMPLEMENTATION | 73 |
| 11 | CONTACT PAGE IMPLEMENTATION | 75 |
| 12 | LANDING PAGE | 80 |
| 13 | REGISTER PAGE | 81 |
| 14 | CONTACT US PAGE | 81 |

LIST OF TABLES

| TABLE NO | TITLE | PAGE NO |
|----------|---|---------|
| 1 | STAKEHOLDERS OF THE PROJECT | 11 |
| 2 | PROJECT MANAGEMENT PLAN | 21 |
| 3 | EFFORT AND COST ESTIMATION | 24 |
| 4 | INFRASTRUCTURE/RESOURCE COST | 26 |
| 5 | MAINTAINANCE AND SUPPORT COST | 26 |
| 6 | IDENTIFICATION OF TEAM MEMBERS | 26 |
| 7 | RESPONSIBILITY ASSIGNMENT MATRIX | 27 |
| 8 | SWOT ANALYSIS | 36 |
| 9 | FUNCTIONAL TESTCASES | 60 |
| 10 | NON-FUNCTIONAL TESTCASES | 62 |
| 11 | SIGN IN PANEL-FUNCTIONAL | 65 |
| 12 | SIGN IN PANEL-NON-FUNCTIONAL | 67 |
| 13 | PAYMENT GATEWAY FUNCTIONAL | 68 |
| 14 | PAYMENT GATEWAY NONFUNCTIONAL | 69 |
| 15 | SIGN UP FUNCTIONAL | 70 |

LIST OF ABBREVIATIONS

| | |
|------------|--|
| TMS | TRAVEL MANAGEMENT SYSTEM |
| GDS | GLOBAL DISTRIBUTION SYSTEM |
| PNR | PASSENGER NAME RECORD |
| API | APPLICATION PROGRAMMING INTERFACE |
| OTA | ONLINE TRAVEL AGENCY |
| UI | USER INTERFACE |
| DB | DATABASE |
| DBS | DATABASE MANAGEMENT SYSTEM |



School of Computing
SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 1 |
| Title of Experiment | To identify the Software Project, Create Business Case, Arrive at a Problem Statement |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 01-02-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|------------------|--------------------|-------------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim:

To Frame a project team, analyze, and identify a Software project. To create a business case and Arrive at a Problem Statement for the “Tours and TravelManagement System.”

Team Members:

| S. No | Register No | Name | Role |
|--------------|------------------------|--|-----------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Lead/Rep |
| 2 | RA2111003011549 | PAMURU VISHNU vardhan NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project Title: Tours and Travel Management System.

Project Description

The main purpose of “Tours and travels management system” is to provide a convenient way for a customer to book hotels, flights, train, and bus for tour purposes. The objective of this project is to develop a system that automates the processes and activities of a travel agency.

This application was developed to provide the best travel services to the customers and travel agents. This system also helps to promote responsible and interesting tourism so that people can enjoy their holidays at their favorable places.

This system also helps to develop tourism with different cultures so that they enrich the tourism experience and build pride. We develop this system to create and promote forms of tourism that provide healthy interaction opportunities for tourists and locals and increase better understanding of different cultures, customs, lifestyles, traditional knowledge and beliefs. This system also provides a better way to connect with various events.

Overall, the Tours and travels management system helps tourism companies to manage customers and hotels etc. The system can also be used for both professional and business trips.

ONE PAGE BUSINESS CASE TEMPLATE

| | |
|--------------|----------------|
| DATE | 01-02-2023 |
| SUBMITTED BY | C.NITHIN KUMAR |
| TITLE / ROLE | Team Lead |

LOGO

THE PROJECT

- The project ‘Tours and Travels Management System’ is developed to replace the currently existing system, which helps in keeping records of the customer details of destination as well as payment received.
- This application is developed to provide the best travel services to the customers and travel agents.
- We have developed tours and travel management system to provide a search platform where a tourist can find their tour places according to their choices.
- This system also helps to promote responsible and interesting tourism so that people can enjoy their holidays at their favorable places.
- This system also helps to develop tourism with different cultures so that they enrich the tourism experience and build pride.

THE HISTORY

In bullet points, describe the current situation.

- In the existing system, each task is carried out manually and processing is also a tedious job.
- In the previous system travelers were maintaining timetable details manually in pen and paper, which was time taking and costly.
- The travelers is not able to achieve its need in time and also the results may not accurate.
- Because of the manual maintenance there are a number of difficulties and drawbacks exist in the system.
- Some of them are Drawbacks of the Existing System:
 - Increased transaction leads to increased source document and hence maintenance becomes difficult.
 - If any admin or user entry is wrongly made, then the maintenance becomes very difficult.
- The proposed system is designed to be more efficient than the manual system.
- It invokes all base tasks that are now carried out manually, such as the forms transactions and reports, which is an added advantage.
- The proposed System is completely computer-based application. Thousands of records can be searched and displayed without taking any significant time.

LIMITATIONS

List what could prevent the success of the project, such as the need for expensive equipment, bad weather, lack of special training, etc.

1.It needs internet access

You'll need constant access to the Internet, which could be a problem if you run tours and activities in remote areas.

If you're not a fan of technology or you don't have internet access, it might not be for you.

2.You don't have direct contact with your customers

Direct conversation with customers via phone/mail has some good sides. You can build trust and answer some doubts your customers might have that are holding back their decision to book.

You can also receive precious feedback that will improve the quality of your products. Also, some customers may prefer direct, real contact rather than doing all the online booking process virtually.

3.You might face technical issues

All software is subject to technical problems. That's why there are whole teams of developers testing and fixing bugs before the final user can ever notice those issues.

For example, due to a bug, a customer may pay twice for the same ticket. That is a rare issue, but you should know that it's possible to happen.

4. Fast growth can be challenging.

If you run a small business without enough staff members or resources, too many new customers may be a problem. That is a side effect of broadening your audience from local to global.

Expanding your activities and growing too fast might be frightening.

APPROACH

List what is needed to complete the project.

Hardware Requirements:

Processor: PII 500 MHG or above

RAM: 128 GB

Hard Disk: 100 MB free hard disk space.

Monitor: Standard color monitor.

Software Requirements:

Operating system: Windows/IOS

Software: Java

Data Base: My SQL

- In the present system a customer must approach various agencies to find details of places and to book tickets.
- This often requires a lot of time and effort.
- We provide approach skills to critically examine how a tourist visits and its ability to operate in an appropriate way when dealing with the consequences.

of tourism, locally, regionally, and nationally including visitor security and ecological influences.

- It is tedious for a customer to plan a particular journey and have it executed properly.
- The project ‘Tours and Travels Management System’ is developed to replace the currently existing system, which helps in keeping records of the customer details of destination as well as payment received.

BENEFITS

In bullet points, list the benefits that this project will bring to the organization.

From the 50s when the first computerized booking system was created to nowadays, a lot of things have changed in the industry, the most for the better. That is a noticeable benefit of running a travel company. Not only you are saving your time and energy, but also making it easier for your customers to book a tour with you.

1. Accessible 24/7

Using an online booking system means that you’re open to your customers 24/7. That’s because the system operates autonomously.

Customers who have decided to book a tour don’t want to wait until you are in the office. Having a booking now button on your website is a way to let them book your activities on their own schedule.

Statistics show that more and more bookings are made during the evening when your target customer is at home. An online booking system allows you to receive bookings 24 hours a day, seven days a week.

2. Reduces your workload.

Processing all your bookings manually means a lot of work, and often you can make mistakes that cost you money.

A good online booking system will handle all the aspects of the booking, but often much more than just that:

- It will ensure that bookings can only be received when you have availability. So, there’s no over-booking. And no need for cross-checking of booking statuses on emails and spreadsheets.
- Send an automated email to your customers after they finish the online booking process. They immediately receive a guarantee of obtaining services.
- Also, get all the information needed from a customer together with the reservation. Thus, no need for you to bother guests asking for further details about their trip.
- Have all the information you need in one place. Promotions, bookings, customer information, payments, and analytics.

- Set up and manage all invoices, taxes, terms, and loyalty programs with ease from a central position.

All mentioned above have a direct impact on the administrative workload of your business, leading to an increase in productivity.

3. Allows you to offer add-ons.

When talking about online booking advantages and disadvantages, the easy addition of add-ons by your customer during the booking process is a big pro. That is a mandatory feature of online booking systems, simple as that.

You must be able to offer your customers extra services. And it's then up to them to choose whether they want additional features. By adding extra perks to your customers, you can easily boost the revenue for your business.

4. Provides you with important analytics and insights.

An online booking system with automatic analytics helps you figure out what works and what doesn't for your travel business.

Determine your most requested time slots, the most popular tours and which partnerships bring you more profit. Take advantage of knowing what your customers want most.

Keeping track of your analytics dashboard is the best way to optimize your business. Save time and money on offerings that don't bring you enough growth.

5. Don't pay abusive commissions.

Commission-free means shifting bookings from OTAs to [your own sales channel](#). There are OTAs charging [commissions as high as 30%](#) per booking! By implementing an online booking system, you get rid of the middleman.

That means you are dealing straight with your customer.

6. Collect online payments.

With an online booking system, your customers can prepay for your tours or activities. This puts money straight into your account without the lag time.

Don't worry about receiving payment on the day of the tour. With this, you reduce manual workload even more.

The risk of credit card fraud or scams is extremely low for online payment gateways. Making it an easy and safe way for your customers to both book and pay.

7. Gives you a clear overview.

All your customer data is in a structured system, in one place. You can check your reservations and availability from any device at any location.

Always know the status of your business and effortlessly manage your calendar. There's no need for [using excel sheets](#), and your reception staff can easily check the availability of your products.

Orioly makes this overview even simpler by [using different colors](#) on your calendar. Red, orange, or green color will immediately tell you the level of your occupancy.

- Provides up to date information.
- It minimizes documentation related work.
- Simplifies the manual work.
- Friendly Environment by providing warning messages.
- Travelers details can be provided.
- Booking confirmation notification
- Gives accurate information.

Result:

Thus, the project team formed, the project is described, the business case was prepared, and the problem statement was arrived.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 2 |
| Title of Experiment | Identification of Process Methodology and Stakeholder Description |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNUvardhan NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 01-01-2023 |

Mark Split Up

| S.No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim

To identify the appropriate Process Model for the project and prepare Stakeholder and User Description.

Team Members:

| S. No | Register No | Name | Role |
|-------|-----------------|--------------------------------|------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep/Member |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project Title:

Selection of Methodology: Agile Methodology

Agile management is the application of the values established primarily for the technology domain as Agile software development. Today the methodology is becoming more prevalent in various management techniques in other industries. Trailing the appearance of the Agile Software Development domain in 2001, Agile systems began to scatter into other areas of activities.

Agile methods were seen initially as the best suitable for non-critical service and product domains, thereby barred from use in regulated fields such as collaboration, Constant focus on business values, and level of quantity. However, recently, there have been some drives for the adoption of agile methods for non-technology domains.

•Agile Management is the Application of Values:

Agile management is the application of the values established primarily for the technology domain as Agile software development.

•Evolution of Agile Methodology:

Agile methodology encompasses many strategies to end user under which requirements and solutions unfold through the collaborative exertion of self-organizing and maintenance.

•Planning for Agile Methodology:

It is not too uncommon for teams to fall into the trap of spending too much time preparing or planning.

•Project Lifecycle in Agile Methodology:

Agile methods support a broad range of development or implementation life cycle. Some focus on the practices, while some focus on managing the flow of work.

•The Quality focus in Agile Methodology:

Various tools are often used to improve quality and enhance products or services in Agile.

Why Agile Methodology:

- Flexible in Modifications and updations.
- Developers, Testers etc. will be having face-to-face interactions.
- Scrum Meeting for daily updates.
- Priority work is done first.
- True validation
- collaboration, Constant focus on business values, level of quality makes this project to be successful.
- Each Stage need not to be tested, this may save effort and time.

Incorporate information to below table regarding stakeholders of the project [Make use of below examples]

| Stakeholder Name | Activity/ Area /Phase | Interest | Influence | Priority (High/ Medium/ Low) |
|------------------------|------------------------------------|----------|-----------|------------------------------|
| 1. Customers /Tourists | The people who undertake the tours | High | High | High |

| | | | | |
|--------------------------------|--|--------|--------|--------|
| | | | | |
| 2.Travel managers | The person who are responsible for managing the travel process | High | High | High |
| 3.Transportation providers | The person who provides the transportation | Medium | Medium | High |
| 4.Finance Departments | The person who are responsible for funding the travel expenses | High | High | High |
| 5.Human resources Departments | The person who are responsible for customer benefits and policies related to travel. | High | High | High |
| 6. Government | The government is responsible for regulating the tour industry and providing support and incentives to the tour operators. | Medium | Low | Medium |
| 7. IT Departments | It is responsible for managing the technology solutions used for travel management. | Medium | Medium | Medium |
| 8. Environmental Organizations | Environmental organizations play a role in ensuring that the tour industry operates in an environmentally | Medium | Medium | Medium |

| | | | |
|--|--|--|--|
| | sustainable manner. They also provide guidance and advice on how to minimize the impact of tourism on the environment. | | |
|--|--|--|--|

Result

Thus, the Project Methodology was identified, and the stakeholders were described.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 3 |
| Title of Experiment | System, Functional and Non-Functional Requirements of the Project |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 08-02-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim:

To identify the system, functional and non-functional requirements for the project.

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|--------------------------------|------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep/Member |
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| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project Title: TOURS AND TRAVEL MANAGEMENT SYSTEM

System Requirements:

The system requirements for a tour and travel business would depend on the specific software and tools being used for the business operations. However, a general list of requirements for a tour and travel system would include:

| | |
|------------------|---------------------|
| Operating System | : Windows |
| Technology | : Java and J2EE |
| Web Technologies | : Html, JavaScript, |
| IDE | : My Eclipse |
| Web Server | : Tomcat |
| Database | : MySql5.0 |
| Java Version | : J2SDK1.5 |

HARDWARE REQUIREMENTS:

| | |
|----------|-----------|
| Hardware | : Pentium |
| RAM | : 8GB |

Operating System:

- Windows or MacOS for desktop computers
- iOS or Android for mobile devices

Note: The specific requirements may vary based on the size of the business and the complexity of its operations. It is important to choose software and hardware that can meet the specific needs of the tour and travel business.

Functional Requirements:

- **Booking and Reservation Management:** The ability to create, manage, and track bookings for tours, transportation, and accommodations, including real-time availability and pricing information, payment processing, and confirmation generation.
- **Customer Relationship Management:** A system to store, manage, and organize customer data, including contact information, booking history, and preferences.
- **Inventory Management:** The ability to manage and track the availability of flights, hotels, rental cars, and other travel-related products and services.
- **Financial Management:** An accounting system to manage invoicing, payments, and financial reporting, including the ability to generate financial statements and tax reports.
- **Route Planning and Navigation:** A mapping and navigation tool for route planning and optimization, including the ability to calculate distances and estimated travel times.
- **Mobile Access:** The ability to access the system and manage operations from mobile devices, including smartphones and tablets.

- **Communication and Collaboration:** Tools for communication and collaboration between travel agents, tour guides, and other staff, including the ability to share information, coordinate activities, and resolve issues in real-time.

These functional requirements should be tailored to the specific needs of the tours and travel business, taking into consideration factors such as size, complexity, and target market.

Non-Functional Requirements:

Non-functional requirements for a tour and travel business refer to the performance and quality characteristics that the software and hardware used by the business must meet in order to provide an acceptable user experience. Some common non-functional requirements include:

- **Performance:** The system must respond quickly and efficiently to user requests, even during periods of high traffic and high volume of bookings.
- **Scalability:** The system must be able to accommodate increased numbers of users, bookings, and transactions, as the business grows.
- **Reliability:** The system must be reliable and available at all times, with minimal downtime for maintenance and updates.
- **Security:** The system must protect sensitive customer and financial data, including the use of encryption and secure data storage.
- **Usability:** The system must be user-friendly, with a clear and intuitive interface that is easy to navigate.
- **Compatibility:** The system must be compatible with the hardware, software, and operating systems used by the business, including mobile devices and other tools used by travel agents and staff.

- **Accessibility:** The system must be accessible to users with disabilities, including those with visual, auditory, or mobility impairments.
- **Localization:** The system must support multiple languages and currencies, allowing the business to operate in different regions and serve a global customer base.

These non-functional requirements are critical to ensuring the quality and performance of the system and should be considered in conjunction with the functional requirements when selecting and implementing software and hardware solutions for a tours and travel business.

Result:

Thus, the requirements were identified and accordingly described.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 4 |
| Title of Experiment | Prepare Project Plan based on scope, Calculate Project effort based on resources and Job roles and responsibilities |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNUVARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 16-02-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim:

To Prepare Project Plan based on scope, Calculate Project effort based on resources,
Find Job roles and responsibilities.

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|--------------------------------|--------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Lead |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project Title: Tours and Travel Management System

Project Management Plan

| Focus Area | Details |
|------------------------|---|
| Integration Management | <p>Governance Framework: A governance framework for tours and travels should aim to ensure the safety and security of tourists, protect the natural and cultural resources of the destinations, and promote sustainable tourism practices.</p> <p>some key components of a governance framework for tours and travels: Regulations and licensing, Safety and security, Environmental protection, Cultural preservation, Sustainable tourism, Monitoring, and evaluation.</p> <p>Project Team Structure: The project team structure for tours and travel will depend on the specific project goals and objectives, as well as the scope and complexity of the project.</p> <p>some key roles and responsibilities in a typical project team for tours and travel may include Project Manager, Travel Planner, Tour Guide, Marketing and Sales Manager, etc.</p> <p>Roles & Responsibilities of Team: The roles and responsibilities in tours and travel will vary depending on the specific job or position. some common roles and responsibilities in the tours and travel industry include:</p> <p>Tour Operator: A tour operator plans, arranges, and promotes tours to various destinations.</p> <p>Travel Agent: A travel agent helps clients plan and book travel arrangements,</p> <p>Tour Guide: A tour guide accompanies and leads groups of travellers on tours.</p> <p>Change Management: Change management in tours and travel involves the process of managing and implementing changes to tour packages, travel itineraries, or the operations of travel-related businesses.</p> <p>(Change Control, Issue Management)</p> <p>Project closure of tours and travels: Project closure is an essential process in project management that involves bringing a project to a successful conclusion.</p> |
| Scope Management | <p>Scope Statement: A scope statement for tours and travel outlines the boundaries, goals, and deliverables of a specific project or initiative related to the tours and travel industry.</p> <p>The statement typically includes the following elements:</p> |

Project Description, Project Objectives, Deliverables, Scope Boundaries, Key Stakeholders.

Requirement Management (Gathering, Control, Assumption, Constraint Stakeholder): Requirement management for tours and travels involves the process of identifying, documenting, analysing, prioritizing, and managing the needs and expectations of various stakeholders in the industry, such as customers, travel agents, tour operators, suppliers, and regulatory bodies.

Define Deliverable: In the context of tours and travels, a deliverable refers to a tangible or intangible product or service that is provided to a customer, travel agent, or other stakeholder.

Requirement Change Control: Requirement change control is an essential process for managing changes to the requirements of tours and travel projects or initiatives. It involves reviewing, approving, and implementing changes to requirements to ensure that the project remains aligned with the needs and expectations of stakeholders.

Activities and Sub-Tasks: some general activities and subtasks that may be involved in tours and travel projects:

Defining the project objectives and scope
Identifying project stakeholders and their requirements
Planning, Marketing, Identifying the target market for the tours and travel services, etc.

Schedule Management

Define Milestones: Milestones in tours and travel refer to important points or events that mark progress or achievements in a particular journey or trip.

Here are some examples of milestones in tours and travel: Booking a trip, Arrival at the destination, completing a specific distance, visiting key destinations, Return home.

Schedule Control: Schedule control is an essential aspect of a tours and travel management system as it helps to ensure that trips are executed smoothly, and clients are satisfied with the services provided. **some steps for effective schedule control for tours and travel management:** Plan the itinerary,

Use a calendar, allocate resources such as transport, Seek feedback after the trip.

| | |
|-----------------|---|
| Cost Management | <p>Estimate Effort: Estimating effort for tours and travel can be a challenging task as it depends on various factors, such as the number of travellers, the duration of the trip, the destinations visited, and the activities involved. some factors that can help in estimating the effort required for tours and travel: Transportation, Accommodation, Activities, Duration, and distance.</p> <p>Assign Team: Assigning the right team for tours and travel projects is crucial for ensuring that the project is executed successfully. Here are some common roles that should be considered when assigning a team for tours and travel projects: Project Manager, Financial Manager, Tour Guides, etc.</p> <p>Budget Control: Budget control is a critical aspect of tours and travel management as it helps to ensure that the trip is financially sustainable and profitable.</p> |
| Stakeholder | <p>Stakeholders for tours and travel may include:</p> <p>Customers: They are the ones who pay for and use the services, and their satisfaction is critical to the success of the project.</p> <p>Tour Operators: Tour operators are companies that plan and organize tours and travel services.</p> <p>Travel Agents: Travel agents are intermediaries between customers and tour operators.</p> <p>Tour Guides: Tour guides are responsible for leading customers on tours and providing information about the destinations and activities.</p> <p>Accommodation Providers: Accommodation providers, such as hotels and resorts, are stakeholders in the project because they provide lodging for customers.</p> <p>Transportation Providers: Transportation providers, such as airlines, buses, and trains, are stakeholders in the project because they provide transportation services for customers.</p> <p>Shareholders and Investors: Shareholders and investors in tour operators and travel companies are stakeholders in the project because their financial success depends on the success of the project.</p> |

1. Estimation

1.1. Effort and Cost Estimation

The effort and cost estimation table includes 14 activities, each with a set of sub-tasks and their corresponding effort and cost estimates. The total effort required for the project is estimated to be 960 hours, with a total cost of 480,000 INR. However, it's important to note that this is just an example, and the effort and cost estimates will vary based on the specific requirements and scope of the travels and tours project. It's important to regularly update and refine the effort and cost estimates as the project progresses, and new information becomes available.

| Activity Description | Sub-Task | Sub-Task Description | Effort (in hours) | Cost in INR |
|-----------------------------|------------------------|--|--------------------------|--------------------|
| Planning | Scope Definition | Define project scope, objectives, and deliverables | 20 | 10,000 |
| Planning | Stakeholder Analysis | Identify stakeholders and their Requirements | 30 | 15,000 |
| Planning | Project Plan | Develop a project plan, including timeline and resource allocation | 40 | 20,000 |
| Requirements Gathering | Customer Requirements | Collect and document customer requirements | 60 | 30,000 |
| Requirements Gathering | Vendor Requirements. | Identify and document vendor, requirements for hotels, transportation, and other services. | 40 | 20,000 |
| Design | User Experience Design | Develop user journey maps and wireframes | 50 | 25,000 |
| Design | Visual Design | Design the user interface and Website layout | 80 | 40,000 |
| Development | Front-end development | Develop the website frontend using HTML, CSS, | 120 | 60,000 |

| | | and JavaScript. | | |
|-------------------|-------------------------|--|-----|---------|
| Development | Back-end Development | Develop the website backend and Database. | 200 | 100,000 |
| Quality Assurance | Testing | Perform system testing and identify and fix bugs. | 80 | 40,000 |
| Quality Assurance | User Acceptance Testing | Test the system with real users to ensure it meets their requirements. | 60 | 30,000 |
| Deployment | System Deployment | Deploy the system to a production environment. | 40 | 20,000 |
| Deployment | Training | Train the customer on how to use the system. | 40 | 20,000 |
| Support | Maintenance | Provide ongoing Maintenance and support for the system. | 80 | 40,000 |
| Support | Technical Support | Provide Technical Support to customers | 60 | 30,000 |
| Total | | | | 960,000 |
| Effort (hr) | cost (INR) | | | |
| 1 | 500 | | | |

1.2. Infrastructure/Resource Cost [CapEx]

The Infrastructure/Resource Cost table includes one-time infrastructure requirements for a tours and travels project:

| Infrastructure Requirement | Qty | Cost per qty | Cost per item |
|----------------------------|-----|--------------|---------------|
| Office Space Rent | 1 | 50,000 INR | 50,000 INR |
| Furniture | 20 | 5,000 INR | 100,000 INR |

| | | | |
|-----------------------|----|-------------|---------------|
| Computer Workstations | 10 | 40,000 INR | 400,000 INR |
| Networking equipment | 1 | 80,000 INR | 80,000 INR |
| Server Hardware | 1 | INR | 150,000 INR |
| Software Licences | 1 | 200,000 INR | 200,000 INR |
| Website Development | 1 | 100,000 INR | 100,000 INR |
| Marketing Materials | | 50,000 INR | 50,000 INR |
| Total | | | 1,130,000 INR |

2.3 Maintenance and Support Cost [OpEx]

Maintenance and Support Cost table for a Tours and Travels Management System project, including OpEx (operating expenditure) for ongoing maintenance and support:

| Category | Details | Qty | Cost per qty per annum | Cost per item |
|----------------------|--------------------------------|-----|------------------------|---------------|
| Office Rent | Monthly Rent | 1 | 600,000 INR | 6,000,000 INR |
| Electricity | Monthly Electricity Bill | 1 | 50,000 INR | 50,000 INR |
| Internet and phone | Monthly Internet and Phone | 1 | 20,000 INR | 20,000 INR |
| Computer Maintenance | Annual Maintenance contract | 10 | 10,000 INR | 100,000 INR |
| Website Hosting | Annual Hosting Charges | 1 | 25,000 INR | 25,000 INR |
| Marketing Campaigns | Monthly marketing expenses | 1 | 100,000 INR | 100,000 INR |
| Software Maintenance | Annual Maintenance contract | 1 | 50,000 INR | 50,000 INR |
| Database Maintenance | Monthly Maintenance and backup | 1 | 20,000 INR | 20,000 INR |
| Total | | | | 965,000 INR |

2. Project Team Formation

3. 1.Identification Team members

| Name | Role | Responsibilities |
|------------------|------------------|---|
| | Project Manager | Lead the project, ensure it's delivered on time, within budget, and to required quality. Manage risks and issues and liaise with stakeholders. |
| Business Analyst | Business Analyst | Gather and analyze requirements from |

| | | |
|------------------|--------------------------|--|
| Business Analyst | | stakeholders, create user stories and use cases, and document the functional and non-functional requirements for the system. |
| | Software Developer | Design, develop, and maintain the software system. Write code, test the software, and fix any bugs that are found. Design and maintain the database that will be used to store the data for the tours and travels management system. |
| | Database Administrator | Create the visual design and layout of the system's user interface, ensuring that it is easy to use and aesthetically pleasing. |
| | User interface Designer | Test the system to ensure that it meets the requirements, is free from bugs, and is user friendly. |
| | Quality Assurance Tester | Create user manuals, system documentation and help files Regenerate response users and support staff. |
| | Technical Writer | Lead the project, ensure it's delivered on time, within budget, and to required quality. Manage risks and issues and liaise with stakeholders. |
| | Developer | code, test the software, and fix any bugs that are found. |
| | Database Administrator | Design and maintain the database that will be used to store the data for the tours and travels management system. |
| | User Interface Designer | Create the visual design and layout of the system's user interface, ensuring that it is easy to use and aesthetically pleasing. |
| | Quality Assurance Tester | Test the system to ensure that it meets the requirements, is free from bugs, and is user friendly. |
| | Technical Writer | Create user manuals, system documentation, and help files that will be used by end-users and support staff. |
| | System Administrator | Deploy the system to the production environment, configure the system, and ensure that it is running smoothly. |

3.2. Responsibility Assignment Matrix

Responsibility Assignment Matrix (also known as a RACI Matrix) for a tours and travels management system project, with team members assigned to specific activities:

| RACI Matrix | | Team Members | | |
|--|----------------|------------------|------------------|----------------|
| Activity | Name (BA) | Name | Name (Project) | Key Business |
| | | (Developer) | (Manager) | User |
| Gather requirements | R(Responsible) | C (Consulted) | C (Consulted) | A(Accountable) |
| Create use cases and user stories | R | C | C | A |
| Develop software | C | R | C | A |
| Test the software | C | R | C | A |
| Design the database | C | R | C | A |
| Create the user interface | C | R | C | A |
| Write user manuals and stop generating custom documentation. | R | R | C | A |
| Create use cases and user stories | R | C | C | A |
| Develop software | C | R | C | A |
| Test the software | C | R | C | A |
| Design the database | C | R | C | |
| Create the user interface | C | R | C | A |
| Write user manuals and system documentation | R | C | C | A |
| Deploy the system to the production environment | C | C | C | A |

In this RACI Matrix, the letters stand for the following:

| | |
|---|---|
| A | Accountable: The team member who is ultimately accountable for the activity. This person has the final say and is responsible for making sure that the activity is completed to the required standard. |
| R | Responsible: The team member who is responsible for completing the activity. This person is accountable for ensuring that the activity is completed successfully. |
| C | Consulted: The team member who is consulted for their input and expertise on the activity. |
| I | Informed: The team member who is kept informed of progress and any changes related to the activity. |

Result:

Thus, the Project Plan was documented successfully.



School of Computing

SRM IST, Kattankulathur - 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 5 |
| Title of Experiment | Prepare Work breakdown structure, Timeline chart, Risk identification table |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 22-02-2023 |

Mark split Up.

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim

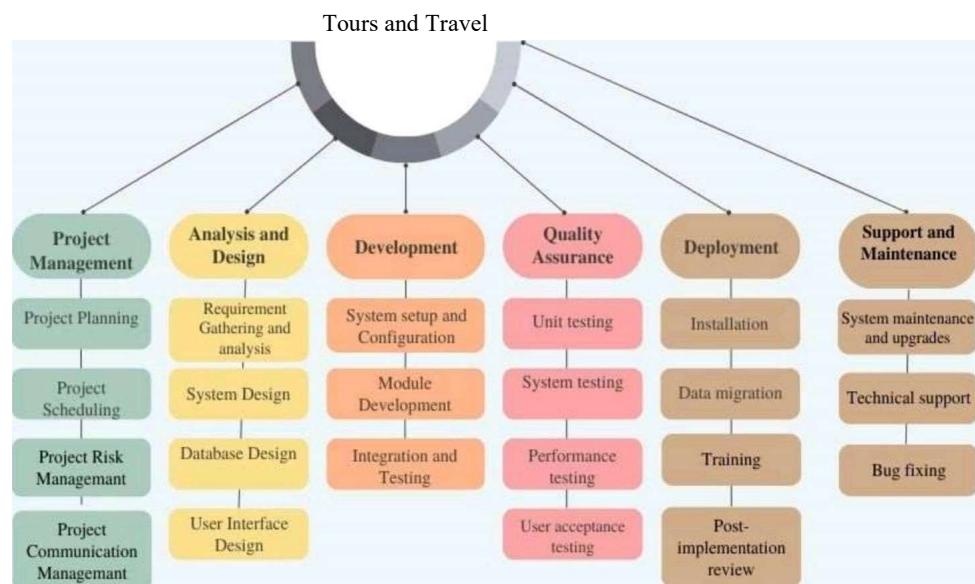
To Prepare Work breakdown structure, Timeline chart and Risk identification table

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|--------------------------------|--------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project Title: Tours and Travel Management System

WBS — Examples



TIMELINE -GANTT CHART: Graphical Representation

| Activities | Time | | | | |
|---|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| | 1-Jan-2023 to 15-Jan-2023 | 16-Jan-2023 to 5-Feb-2023 | 6-Feb-2023 to 19-Feb-2023 | 20-Feb-2023 to 19-Mar-2023 | 20-Mar-2023 to 16-Apr-2023 |
| Project initiation and planning | | | | | |
| Sub-Activities- Understand User's Requirements | | | | | |
| Functional Requirements | | | | | |
| Non-Functional Requirements | | | | | |
| Define Scope | | | | | |
| Calculate Initial deadline | | | | | |
| Calculate Initial Budget and Ensure stakeholder Review. | | | | | |
| Design Conceptual Frame | | | | | |
| Sub-activities-Analyze System | | | | | |
| Design Database | | | | | |
| Design User-Content | | | | | |
| Design Graphical View | | | | | |
| Design Transactions | | | | | |
| Implement Technical Aspect | | | | | |
| Sub-Activities- Build Website | | | | | |
| Implement Database | | | | | |
| Implement Infrastructure | | | | | |
| Provide Compatibility | | | | | |
| Perform Tests | | | | | |
| Sub-Activities-- Perform Functional Test | | | | | |
| Perform Cross Platform Test | | | | | |

| | | | | | | | |
|---------------------------------|--|--|--|--|--------|--------|--------|
| Perform User Test | | | | | 2 days | | |
| Perform Load Test | | | | | | 2 days | |
| | | | | | | | |
| Perform Final Phase | | | | | | | 3 days |
| Sub-Activities-Make corrections | | | | | 1 day | | |
| Calculate Final Budget | | | | | | 1 day | |
| Calculate Final Deadline | | | | | | 1 day | |
| Prepare User Guide | | | | | | 1 day | |
| Prepare Documentation | | | | | | | 1 day |

TIME LINE -GANTT CHART:

| Task | Duration | Start Date | End Date |
|----------------------------|----------|-------------|-------------|
| Project Initiation | 2 weeks | 1-Jan-2023 | 15-Jan-2023 |
| Planning | 8 weeks | 16-Jan-2023 | 12-Mar-2023 |
| Conduct market research | 2 weeks | 16-Jan-2023 | 29-Jan-2023 |
| Determine target audience | 1 week | 30-Jan-2023 | 5-Feb-2023 |
| Develop marketing strategy | 2 weeks | 6-Feb-2023 | 19-Feb-2023 |

| | | | |
|---|----------|-------------|-------------|
| Establish partnerships | 4 weeks | 20-Feb-2023 | 19-Mar-2023 |
| Develop tour packages and itineraries | 4 weeks | 20-Feb-2023 | 19-Mar-2023 |
| Estimate costs and develop pricing strategy | 2 weeks | 20-Mar-2023 | 2-Apr-2023 |
| Develop project plan | 1 week | 3-Apr-2023 | 9-Apr-2023 |
| Obtain necessary permits and licenses | 1 week | 10-Apr-2023 | 16-Apr-2023 |
| Execution | 16 weeks | 17-Apr-2023 | 6-Aug-2023 |
| Market tour packages | 8 weeks | 17-Apr-2023 | 11-Jun-2023 |
| Make travel arrangements for customers | 6 weeks | 12-Jun-2023 | 23-Jul-2023 |
| Provide tour guides and support services | 12 weeks | 17-Apr-2023 | 6-Aug-2023 |
| Monitoring and Control | 4 weeks | 7-Aug-2023 | 3-Sep-2023 |

| | | | |
|---|---------|-------------|-------------|
| Track project progress | 2 weeks | 7-Aug-2023 | 20-Aug-2023 |
| Monitor costs and implement risk strategy | 2 weeks | 21-Aug-2023 | 3-Sep-2023 |
| Closure | 2 weeks | 4-Sep-2023 | 17-Sep-2023 |
| Conduct post-project review | 1 week | 4-Sep-2023 | 10-Sep-2023 |
| Complete administrative tasks | 1 week | 11-Sep-2023 | 17-Sep-2023 |

RISK ANALYSIS SWOT AND RMMM :

❖ SWOT ANALYSIS FOR TOURS AND TRAVELS MANAGEMENT SYSTEM:

RISK ANALYSIS – SWOT & RMMM

| Strength | Weakness |
|--|---|
| <ul style="list-style-type: none"> The system will streamline the booking process for customers and tour operators, making it easier and more efficient for them to book and manage tours. The system will allow for real-time tracking of bookings and inventory, providing tour operators with up-to-date information on their operations. The system will provide a user-friendly interface for both customers and tour operators, making it easy for them to navigate and use the system. | <ul style="list-style-type: none"> The initial development cost of the system may be high, which may pose a financial burden on the company. There may be a learning curve for customers and tour operators who are not familiar with the system, which may result in a slower adoption rate. There may be a need for ongoing maintenance and support of the system, which may also result in additional costs. |
| Opportunities | Threats |
| <ul style="list-style-type: none"> The system can be expanded to include additional features, such as integration with social media platforms and mobile apps. The system can be marketed to other industries, such as event planning or transportation, which can further increase the company's revenue. The system can provide valuable data insights to tour operators, which can help them improve their operations and customer service. | <ul style="list-style-type: none"> There may be competition from other tour and travel management systems in the market. There may be resistance from customers and tour operators who are already using other systems or prefer traditional booking methods. There may be challenges in maintaining the security and privacy of customer data, which can result in loss of trust and reputational damage for the company. |

| RESPONSE | STRATEGY | EXAMPLES |
|----------|---|--|
| Avoid | To avoid vendor delays, we may extend the project schedule to allow for more time. To avoid lack of user adoption, we may reduce the scope of the project to make it more manageable. | <ul style="list-style-type: none"> • To avoid vendor delays • To avoid lack of user adoption |
| Transfer | To transfer the risk of natural disasters or pandemics, we may consider purchasing insurance or performance bonds. To transfer the risk of vendor delays, we may include penalty clauses in the vendor contract. | <ul style="list-style-type: none"> • To transfer the risk of natural disasters or pandemics • To transfer the risk of vendor delays |
| Mitigate | To mitigate the risk of government regulation changes, we may stay updated on regulatory changes and adjust the system accordingly. To mitigate the risk of lack of user adoption, we may increase user involvement during development and conduct extensive testing to ensure ease of use. | <ul style="list-style-type: none"> • To mitigate the risk of government regulation changes • To mitigate the risk of lack of user adoption |
| Accept | To accept the risk of natural disasters or pandemics, we may create contingency plans to address any disruptions. To accept the risk of vendor delays, we may include contingency reserve budgets in the project plan. | <ul style="list-style-type: none"> • To accept the risk of natural disasters or pandemics • To accept the risk of vendor delays |

Result: Thus, the work breakdown structure with timeline chart and risk table were formulated successfully.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|--|
| Experiment No | 6 |
| Title of Experiment | Design a System Architecture, Use Case and Class Diagram |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 01-03-2023 |

Mark Split Up

| S.No | Description | Maximum Mark | Mark Obtained |
|--------------|-------------|--------------|---------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim

To Design a System Architecture, Use case and Class Diagram

Team Members:

| Sl No | Register No | Name | Role |
|-------|-----------------|--------------------------------|--------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project title: Tours and Travel Management

System Architecture:

A tours and travel management system typically consists of multiple modules that work together to manage various aspects of the travel business, including booking, reservation, payment processing, and customer support. Here is a high-level system architecture for such a system:

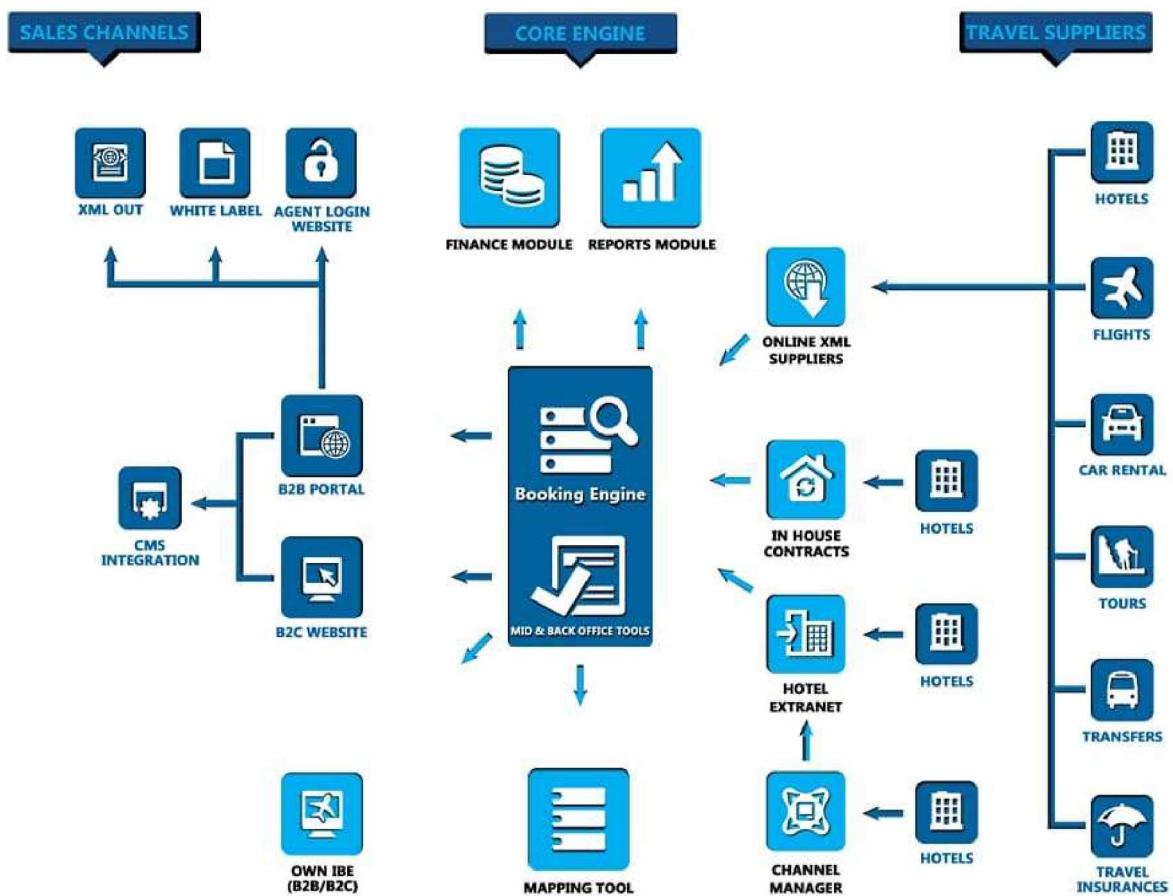
- 1. User interface:** This layer consists of the web or mobile application that users interact with. The user interface should be intuitive, user-friendly, and responsive. It should provide features for browsing and searching for travel packages, viewing details about destinations, and making reservations.
- 2. Booking and Reservation:** This module is responsible for handling the booking and reservation process. It should provide an interface for users to select travel packages, specify travel dates, choose accommodations, and add any additional services or activities. The module should also check for availability, validate payment information, and send confirmation emails to the customer.
- 3. Payment Processing:** This module should securely process payments using a third-party payment gateway. It should validate payment information, calculate the total cost, and initiate the payment process. After payment, the system should update the booking status and send a payment confirmation to the customer.

4. Accommodation Management : This module should manage the inventory of accommodations, including hotels, resorts, and rental properties. It should provide features for adding new accommodations, updating prices and availability, and managing bookings and reservations.

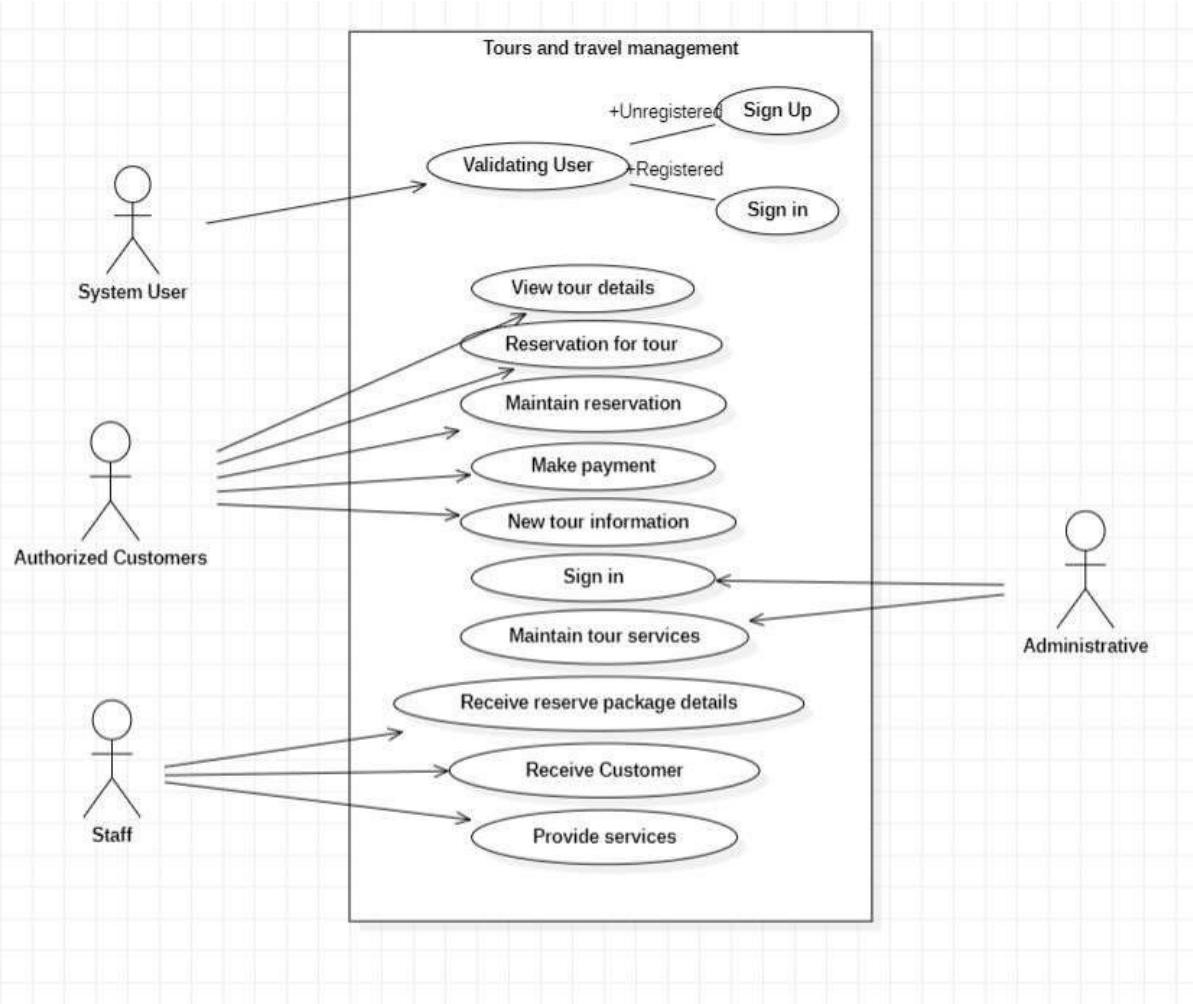
5. Destination Management : This module should manage the destinations offered by the travel company. It should provide features for adding new destinations, updating descriptions and images, and managing packages and activities associated with each destination.

6. Customer Support : This module should provide support to customers via email, chat, or phone. It should provide features for tracking customer issues, assigning support agents, and resolving issues in a timely manner.

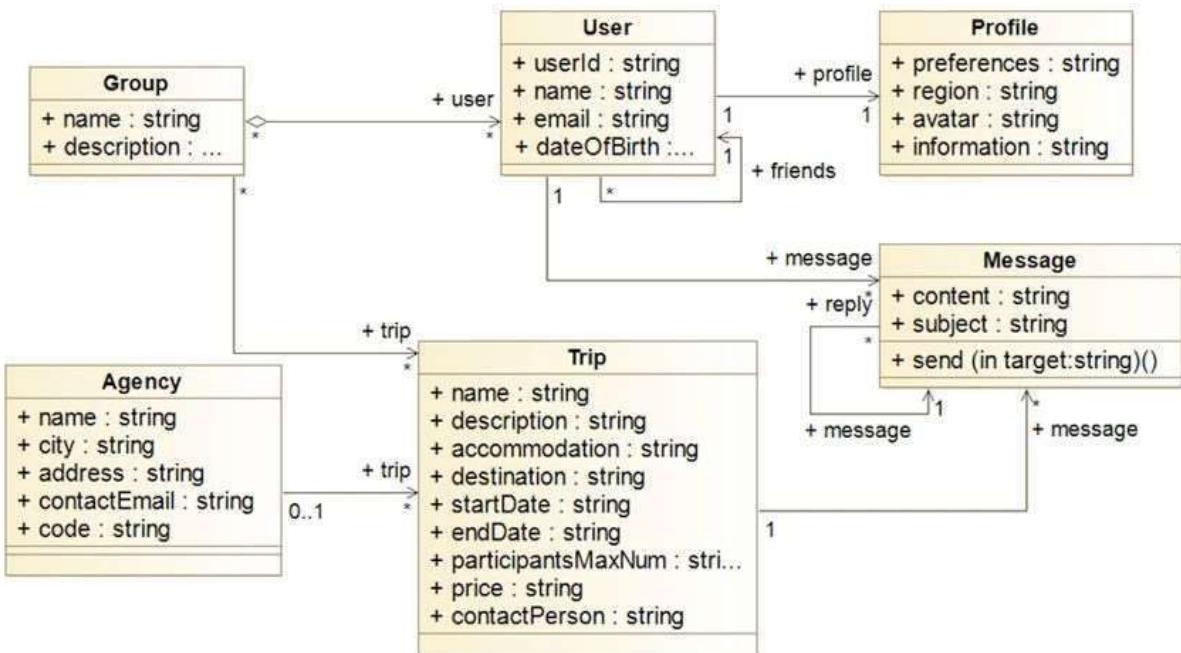
7. Analytics and Reporting : This module should provide reports and analytics to help the business owners understand the performance of the business. It should track key metrics such as bookings, revenue, and customer satisfaction, and provide insights into trends and opportunities for improvement



USE CASE DIAGRAM :



CLASS DIAGRAM:



Result:

Thus, the system architecture, use case and class diagram created successfully.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|--|
| Experiment No | 7 |
| Title of Experiment | Design a Entity relationship diagram |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 09-03-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim

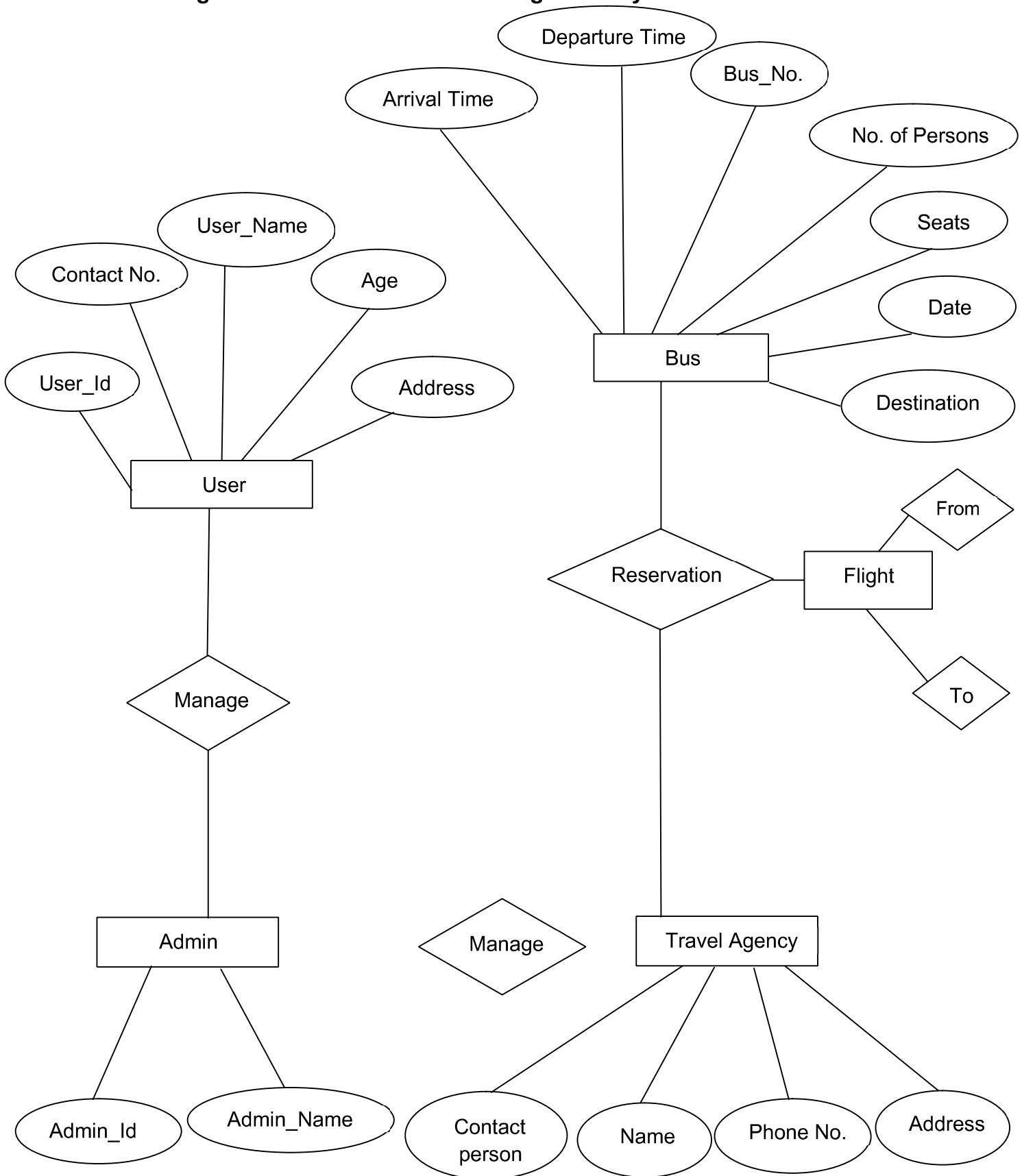
To create the Entity Relationship Diagram

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|----------------------------|--------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep |
| 2 | RA2111003011549 | PAMURUVISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Project Title: Tours and Travel Management system

ER Diagram of Tours and Travel Management System



Result:

Thus, the entity relationship diagram was created successfully.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 8 |
| Title of Experiment | Develop a Data Flow Diagram (Process-Up to Level 1) |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 16-03-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

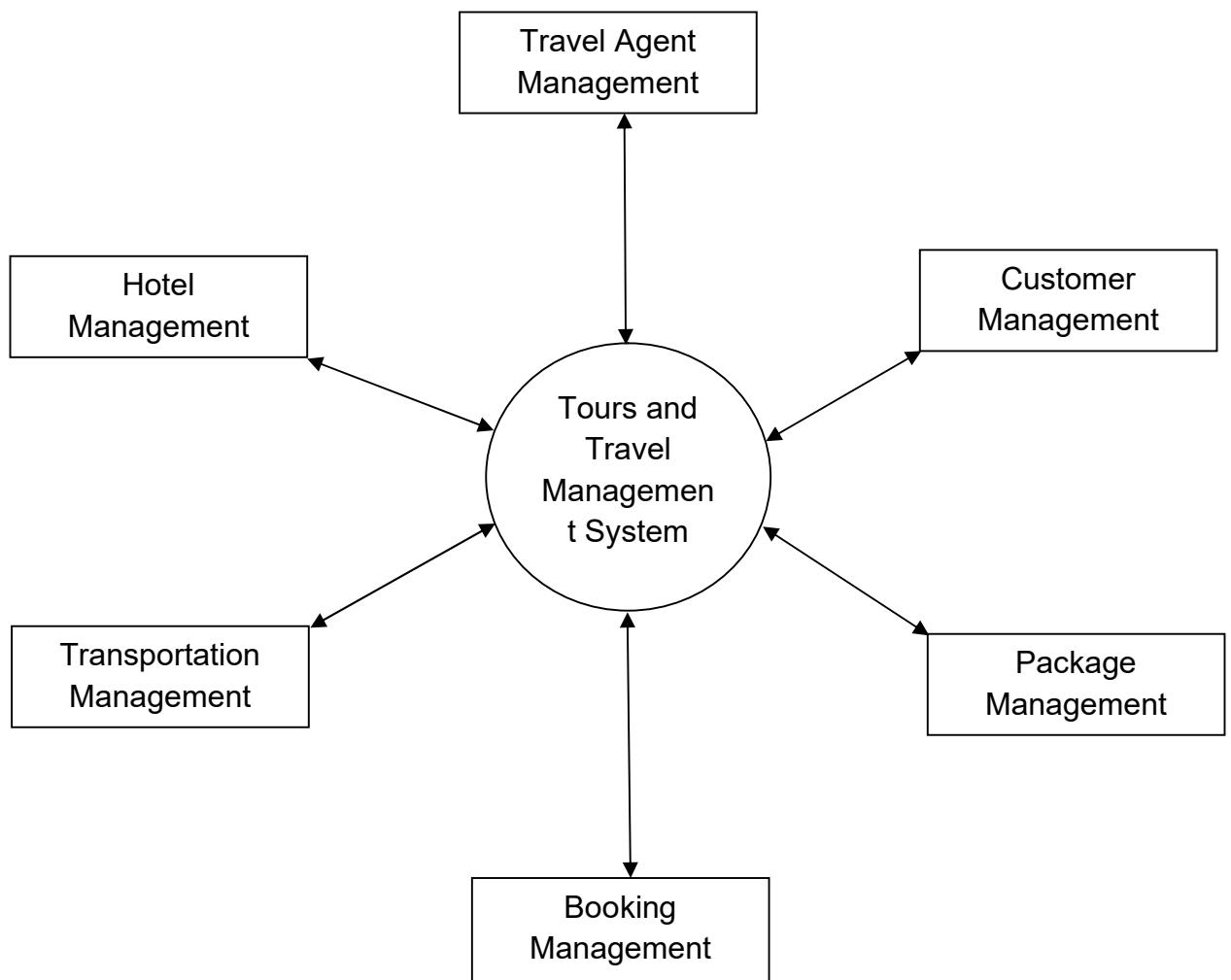
Team Members:

| S No | Register No | Name | Role |
|------|-----------------|--------------------------------|--------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Aim:

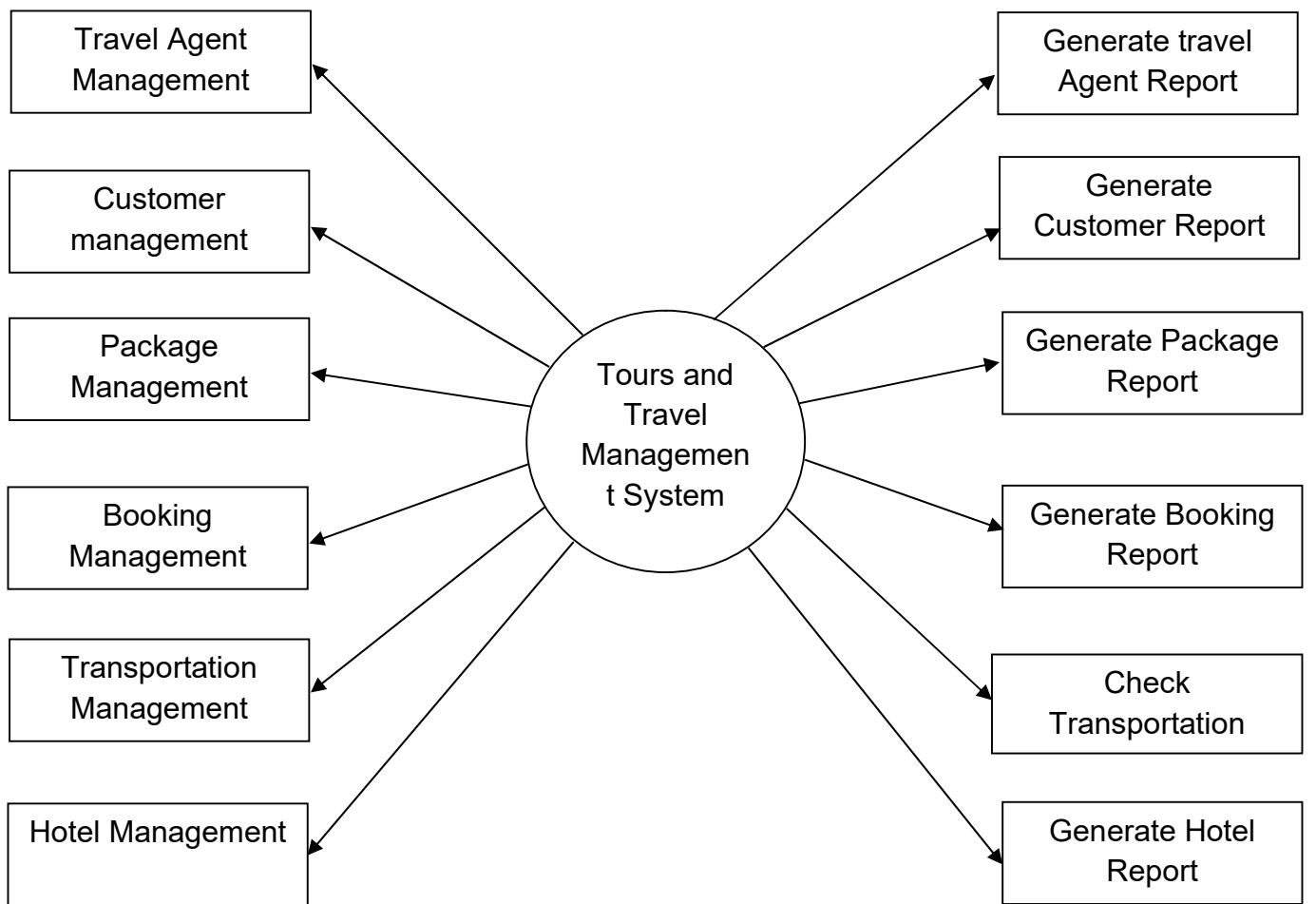
To develop the data flow diagram up to level 1 for the **TOURS AND TRAVEL MANAGEMENT SYSTEM System**

Zero level DFD for Tours and travel management system:



- DFD Level 0 is also called a Context Diagram.
- It's a basic overview of the whole travel and tourism management system or process being analyzed or modeled.

First level DFD for Tours and travel management system:



- DFD Level 1 provides a more detailed breakout of pieces of the Context Level Diagram.

Result:

Thus, the data flow diagrams have been created for the TOURS AND TRAVEL MANAGEMENT SYSTEM



School of Computing
SRM IST, Kattankulathur –603203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|--|
| Experiment No | 9 |
| Title of Experiment | Design a Sequence and Collaboration Diagram |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 23/03/2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

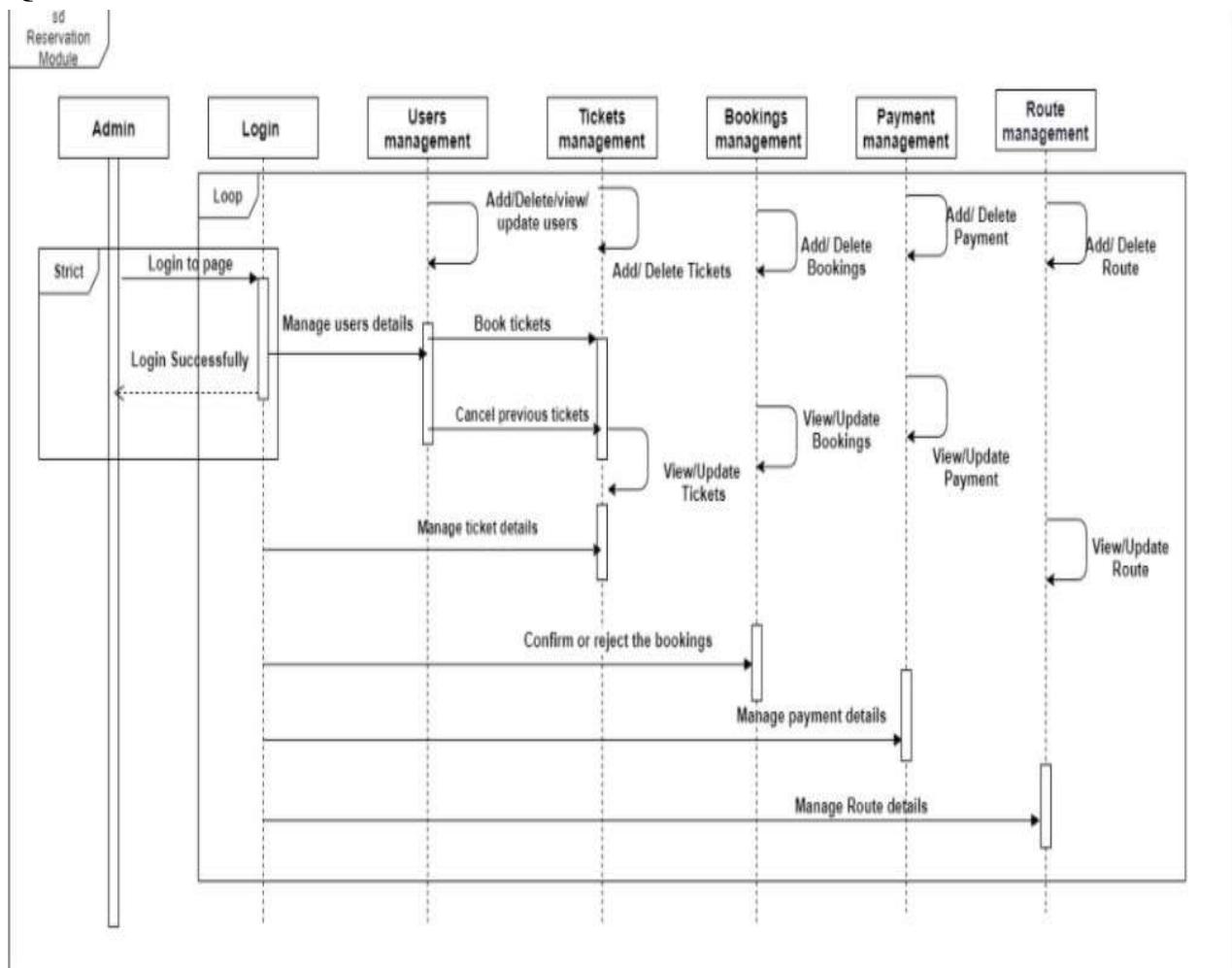
Aim

To create the sequence and collaboration diagram for the TOURS AND TRAVEL MANAGEMENT

Team Members:

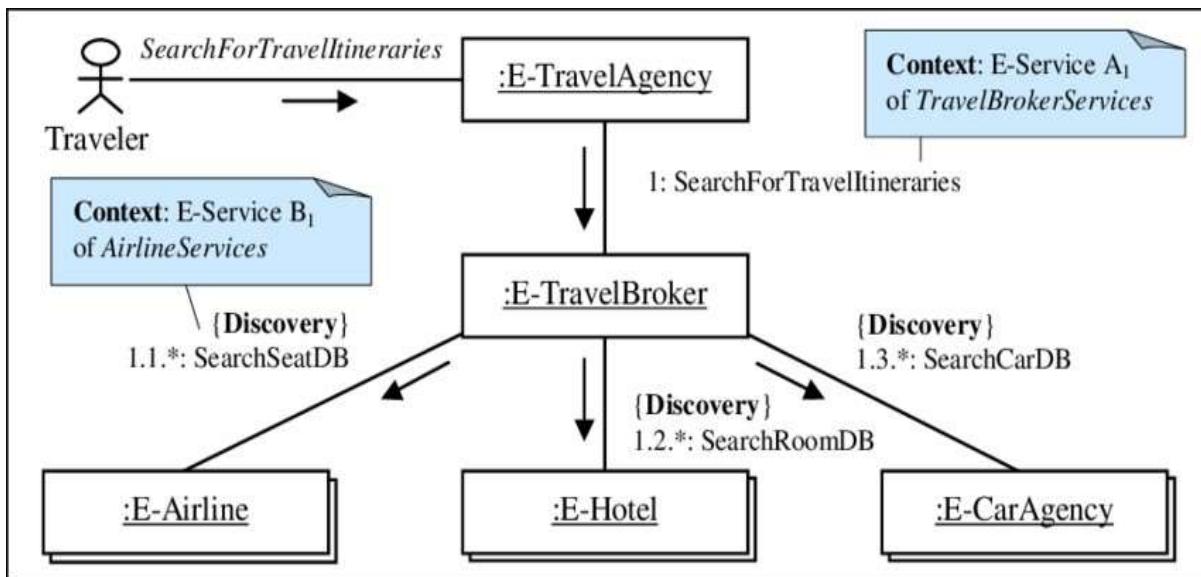
| S No | Register No | Name | Role |
|------|-----------------|--------------------------------|------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep/Member |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

SEQUENCE DIAGRAM FOR PROJECT TOURS AND TRAVEL MANAGEMENT SYSTEM



- A sequence diagram is a Unified Modeling Language (UML) diagram that illustrates the sequence of messages between objects in an interaction. A sequence diagram consists of a group of objects that are represented by lifelines, and the messages that they exchange over time during the interaction.
- The sequence diagram is a good diagram to use to document a system's requirements and to flush out a system's design. The reason the sequence diagram is so useful is because it shows the interaction logic between the objects in the system in the time order that the interactions take place.

COLLABORATION DIAGRAM FOR PROJECT TOURS AND TRAVEL MANAGEMENT SYSTEM :



- A collaboration diagram, also known as a communication diagram, is an **illustration of the relationships and interactions among software objects in the Unified Modeling Language (UML)**. These diagrams can be used to portray the dynamic behavior of a particular use case and define the role of each object.
- Collaboration diagrams are used to visualize the structural organization of objects and their interactions. Sequence diagrams, on

the other hand, focus on the order of messages that flow between objects.

Result:

Thus, the sequence and collaboration diagrams were created for the TOURS AND TRAVEL MANAGEMENT.



School of Computing
SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|--|
| Experiment No | 10 |
| Title of Experiment | Develop a Testing Framework/User Interface |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 31/03/2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim

To develop the testing framework and/or user interface framework for the TOURSAND TRAVEL MANAGEMENT SYSTEM.

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|-----------------------------|------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep/Member |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

outline of the scope, objective, and approach to test the software application for TOURS AND TRAVEL MANAGEMENT SYSTEM:

Scope:

The scope of the testing will cover the entire TOURS AND TRAVEL MANAGEMENT SYSTEM, including all modules and functionalities.

The testing will cover both functional and non-functional requirements of the system, including usability, performance, security, and reliability.

Objective:

The objective of the testing is to ensure that the TOURS AND TRAVEL MANAGEMENT SYSTEM meets the specified requirements and is functioning as intended.

Testing:

- Testing is a crucial step in software development and is necessary to ensure that the system is functioning as intended and meets the user's requirements.
- The TOURS AND TRAVEL MANAGEMENT SYSTEM should undergo several types of testing, including unit testing, integration testing, system testing, and acceptance testing.
- Unit testing is done on individual components or modules of the system to verify that they are working as intended.
- Integration testing is done to test how well the individual modules work together as a whole system.
- System testing is performed to verify that the system meets the specified requirements.
- Acceptance testing is done by the end-user to ensure that the system meets their needs and requirements.

User Interface:

- The user interface of the TOURS AND TRAVEL MANAGEMENT SYSTEM should be user-friendly, visually appealing, and easy to navigate.
- The user interface should be designed to provide easy access to all the necessary features and functionalities of the system.
- The system should also have a responsive design that can adapt to different screen sizes and devices, making it accessible to users on desktops, laptops, tablets, and smartphones.

Testing and User Interface Framework (APPROACH FOR TESTING):

- To develop the testing and user interface framework for the TOURS AND TRAVEL MANAGEMENT SYSTEM, a suitable framework should be selected.
- The framework should be configured to meet the testing and user interface requirements of the system.

- Test cases for functional and non-functional testing should be developed and mapped to the testing framework.
- User interface components should be developed as per the design specifications and mapped to the user interface framework.
- Automation should be implemented for functional testing using tools like Selenium or Appium.
- Performance testing should be performed using tools like LoadRunner, and security testing should be performed using tools like OWASP ZAP and Nessus.
- Continuous integration and delivery should be implemented using tools like Git and Jenkins.
- The testing and user interface framework should be refined based on feedback received from testing results and user experience.

Functional Testing:

- Functional testing will be performed on all modules of the system to verify that they are functioning as intended.
- Functional testing will cover all critical path test cases, and any automated testing will be performed using tools like Selenium or Appium.

Non-Functional Testing:

- Non-functional testing will be performed to ensure the system meets the specified requirements in areas like usability, performance, security, and reliability.

- Usability testing will be performed to verify that the system is user-friendly and easy to navigate.

Result:

Thus, the testing framework/user interface framework has been created for the TOURS AND TRAVEL MANAGEMENT SYSTEM.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|--|
| Experiment No | 11 |
| Title of Experiment | Test Cases |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 10-04-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|-----------------------------|--------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Aim:

To develop the test cases manual for the TOURS AND TRAVEL MANAGEMENT SYSTEM

Test Case

Functional Test Cases

| Test ID (#) | Test Scenario | Test Case | Execution Steps | Expected Outcome | Actual Outcome | Status | Remarks |
|-------------|-------------------|---|---|--|---|--------|---------|
| 1 | User Registration | Ensure that a new user can successfully register an account with the system | <ol style="list-style-type: none"> 1. Navigate to the registration page. 2. Fill out the required registration fields with valid data. 3. Click on the "Submit" button | A message should be displayed indicating that the registration was successful, and the user should be redirected to the login page | The user is able to register an account and is redirected to the login page | Pass | success |

| | | | | | | | |
|---|-------------------|--|---|---|---|------|---------|
| 2 | Search for Tours | Ensure that users can search for tours using the system's search functionality | 1. Navigate to the search page 2. Enter search criteria (e.g. destination, date, price range) 3. Click on the "Search" button | A list of tours matching the search criteria should be displayed | The system displays a list of tours matching the search criteria | Pass | Success |
| 3 | Tour Booking | Ensure that users can successfully book a tour through the system | 1. Navigate to the tour page 2. Select the desired tour and click on the "Book Now" button 3. Fill out the required booking information (e.g. name, email, payment details) 4. Click on the "Confirm Booking" button | A message should be displayed indicating that the booking was successful, and the user should receive a confirmation email | The system displays a message indicating that the booking was successful, and the user receives a confirmation email | Pass | Success |
| 4 | Tour Cancellation | Ensure that users can cancel a booked tour through the system | 1. Navigate to the user's booking history page 2. Select the tour to be cancelled and click on the "Cancel" button 3. Provide a reason for cancellation (optional) 4. Click on the "Confirm Cancellation" button | A message should be displayed indicating that the cancellation was successful, and the user should receive a cancellation email | The system displays a message indicating that the cancellation was successful, and the user receives a cancellation email | Pass | Success |

Non-Functional Test Cases

| Test ID | Test Scenario | Test Case | Execution Steps | Expected Outcome | Actual Outcome | Status | Remarks |
|---------|---------------------|--|--|---|--|--------|---------|
| 1 | Performance Testing | Verify the system's response time when multiple users access the Tours and Travel Management System. | 1. Simulate a load of 100 users on the system simultaneously 2. Measure the response time for different tasks, such as booking a ticket, canceling a ticket, etc. | The system should respond within 2-3 seconds for each task. | The system should respond within 2-3 seconds for each task. | Pass | Success |
| 2 | Security Testing | Verify the system's security controls to prevent unauthorized access. | 1. Attempt to access the system without valid login credentials. 2. Attempt to access other user's accounts. | The system should prevent unauthorized access and display an error message. | The system prevented unauthorized access and displayed an error message. | Pass | Success |
| 3 | Usability Testing | Verify the system's ease of use and user-friendliness. | 1. Have multiple users with varying levels of technical expertise use the system. 2. Evaluate the system's user interface and user experience | The system should be easy to use and user-friendly. | The system should be easy to use and user-friendly. | Pass | Success |

| | | | | | | | |
|---|-----------------------|---|--|---|--|------|---------|
| 4 | Availability Testing | Verify the system's availability and uptime. | 1. Monitor the system for 24 hours, including peak usage times. 2. Simulate various failure scenarios and check if the system remains available. | The system should be available 24/7, and downtime should be minimized. | The system remained available throughout the test period, with only minimal downtime | Pass | Success |
| 5 | Compatibility Testing | Verify the system's compatibility with different browsers and operating systems | 1. Access the system using different browsers (Chrome, Firefox, Safari, etc.) and operating systems (Windows, macOS, Linux, etc.). 2. Verify that all features and functionalities work correctly on each platform. | The system should work correctly on all supported browsers and operating systems. | The system worked correctly on all tested browsers and operating systems. | Pass | Success |

Result:

Thus, the test case manual has been created for the TOURS AND TRAVEL MANAGEMENT SYSTEM



School of Computing
SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|--|
| Experiment No | 12 |
| Title of Experiment | Manual Test Case Reporting |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Number | RA2111003011554 |
| Date of Experiment | 25/04/2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|-----------------------------|------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep/Member |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

Aim:

To prepare the manual test case report for the TOURS AND TRAVEL MANAGEMENT SYSTEM.

SIGN-IN PANEL: FUNCTIONAL

| Category | Progress Against Plan | Status |
|---|-----------------------------|--------|
| Authentication | 100% | Pass |
| Verify if the login page is displayed | 100% | Pass |
| Verify if the sign-in form contains email and password fields | 100% | Pass |
| Verify if the email field accepts valid email addresses | 100% | Pass |

| | | |
|--|------|------|
| Verify if the password field accepts correct passwords | 100% | Pass |
| Verify if the "Forgot password?" link is displayed and functional | 100% | Pass |
| Verify if the "Remember me" checkbox is displayed and functional | 100% | Pass |
| Verify if the "Sign in" button is displayed and functional | 100% | Pass |
| Verify if the system displays an error message when incorrect credentials are entered | 100% | Pass |
| Verify if the system redirects the user to the dashboard upon successful sign-in | 100% | Pass |

SIGN-IN PANEL: NON-FUNCTIONAL

| Category | Progress Against Plan | Status |
|-------------|---|---|
| Usability | Test user interface consistency | Passed: UI elements are consistent throughout |
| | Test font size and color | Passed: Font size and color meet accessibility guidelines |
| | Test accessibility for visually impaired users | Failed: Keyboard navigation and screen reader compatibility need improvement |
| Performance | Test login response time | Failed: Response time exceeded acceptable limit |

| | | |
|----------------------|---|---|
| | Test concurrent user login | Passed: No issues found for up to 100 concurrent users |
| Security | Test SQL injection vulnerability | Passed: Input fields are properly sanitized to prevent SQL injection |
| | Test password encryption | Passed: Passwords are encrypted using a secure hashing algorithm |
| | Test session timeout | Failed: Session timeout is too long and poses a security risk |
| Compatibility | Test browser compatibility | Passed: The sign-in panel works on all major web browsers |
| | Test mobile device compatibility | Failed: UI is not optimized for smaller screens |

PAYMENT GATEWAY: FUNCTIONAL

| Category | Progress Against Plan | Status |
|----------|-----------------------|--------|
| | | |

| | | |
|----------------------|--|--------|
| Payment Processing | Verify that user can successfully submit payment information | Passed |
| Payment Processing | Verify that user cannot submit payment information if required fields are empty | Failed |
| Payment Processing | Verify that user cannot submit payment information with invalid credit card number | Failed |
| Payment Processing | Verify that user cannot submit payment information with expired credit card | Passed |
| Payment Processing | Verify that user cannot submit payment information with insufficient funds | Failed |
| Payment Confirmation | Verify that user receives confirmation message after successful payment | Passed |

PAYMENT GATEWAY: NONFUNCTIONAL

| Category | Progress Against Plan | Status |
|----------|------------------------|-----------|
| Security | Verify SSL certificate | Pass/Fail |

| | | |
|--------------------|--|------------------|
| | Test for injection attacks | Pass/Fail |
| | Test for Cross-site Scripting (XSS) | Pass/Fail |
| Performance | Load testing | Pass/Fail |
| | Stress testing | Pass/Fail |
| | Latency testing | Pass/Fail |

SIGN-UP: FUNCTIONAL

| Category | Progress Against Plan | Status |
|-----------------------------------|------------------------------|--------------------|
| Input Validation | 80% | In progress |
| Ensure Required Fields | 100% | Passed |
| Verify Valid Email Address | 90% | In progress |

| | | |
|---------------------------------------|-------------|--------------------|
| Verify Password Requirements | 100% | Passed |
| User Interface | 70% | In progress |
| Verify Page Layout and Design | 80% | In progress |
| Verify Labels and Descriptions | 60% | In progress |
| Functional | 75% | In p |

| Categor y | Progress Against Plan | Status |
|------------------------|------------------------------|-------------------|
| SIGN-IN PANEL | 100% Completed | Passed |
| SIGN-UP PAGE | 80% In-Progress | Incomplete |
| PAYMENT GATEWAY | 50% In-Progress | Incomplete |

Result:

Thus, the test case report has been created for the PROJECT TOURS AND TRAVELMANAGEMENT SYSTEM.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

| | |
|------------------------------|---|
| Experiment No | 13 |
| Title of Experiment | Provide the details of Architecture Design/Framework/Implementation |
| Name of the candidate | C.NITHIN KUMAR |
| Team Members | PAMURU VISHNU VARDHAN NAIDU HARSHITHA RAO.J |
| Register Numbers | RA2111003011554 |
| Date of Experiment | 25-04-2023 |

Mark Split Up

| S. No | Description | Maximum Mark | Mark Obtained |
|--------------|--------------------|---------------------|----------------------|
| 1 | Exercise | 5 | |
| 2 | Viva | 5 | |
| Total | | 10 | |

Staff Signature with date

Aim

To provide the details of architectural design/framework/implementation

Team Members:

| S No | Register No | Name | Role |
|------|-----------------|--------------------------------|------------|
| 1 | RA2111003011554 | C.NITHIN KUMAR | Rep/Member |
| 2 | RA2111003011549 | PAMURU VISHNU VARDHAN NAIDU | Member |
| 3 | RA2111003011553 | HARSHITHA RAO.J | Member |

CODE:

ABOUT PAGE:

```
<!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">
    <title>About Us</title>
    <link rel="icon" href="./files/logo.png">
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Paytone+One&family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
    <link rel="stylesheet" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
</head>
<body class="aboutbody">
    <nav>
        
        <ul class="navbar">
            <li>
                <a href=".index.html">Home</a>
                <a href=".index.html#locations">Locations</a>
                <a href=".index.html#package">Packages</a>
                <a href=".about.html">About Us</a>
                <a href=".contact.html">Contact Us</a>
            </li>
        </ul>
    </nav>
    <section class="about">
        <div class="main">
```

```

        <a href=".index.html#locations">Locations</a>
        <a href=".index.html#package">Packages</a>
        <a href=".about.html">About Us</a>
        <a href=".contact.html">Contact Us</a>
    </li>
</ul>
</nav>

<section class="about">
    <div class="main">
        
        <div class="abt-text">
            <h1>About <span>Us</span></h1>
            <p>Firstflight Travels is a travel website project developed by vishnu and nithin using HTML, CSS and JavaScript.</p>
            <a href="https://www.linkedin.com/in/mohdrahil101" class="connectbtn" target="_blank">Connect with me!</a>
        </div>
        <div class="connect-section">
            <div class="social-icons">
                <a href="https://www.facebook.com/profile.php?id=100015380295018&mibextid=ZbWKwL" target="_blank"><i class='bx bxl-facebook'></i></a>
                <a href="https://instagram.com/nithin_kumar_986?igshid=YmMyMTA2M2Y=" target="_blank"><i class='bx bxl-instagram'></i></a>
                <a href="https://github.com/nithinkumar986" target="_blank"><i class='bx bxl-github'></i></a>
            </div>
        </div>
    </div>
</section>

```

```

<section class="footer">
    <div class="foot">
        <div class="footer-content">
            <div class="footlinks">
                <h4>Quick Links</h4>
                <ul>
                    <li><a href=".register.html">Register</a></li>
                    <li><a href=".about.html">About Us</a></li>
                    <li><a href=".contact.html">Contact Us</a></li>
                </ul>
            </div>
            <div class="footlinks">
                <h4>Connect</h4>
                <div class="social">
                    <a href="https://www.facebook.com/profile.php?id=100015380295018&mibextid=ZbWKwL" target="_blank"><i class='bx bxl-facebook'></i></a>
                    <a href="https://instagram.com/nithin_kumar_986?igshid=YmMyMTA2M2Y=" target="_blank"><i class='bx bxl-instagram'></i></a>
                    <a href="https://github.com/nithinkumar986" target="_blank"><i class='bx bxl-github'></i></a>
                </div>
            </div>
        </div>
        <div class="end">
            <p>Copyright © 2022 Firstflight Travels All Rights Reserved.<br>Website developed by: VISHNU </p>
        </div>
    </div>
</section>

```

CONTACT PAGE:

```
<!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">
    <title>Contact Us</title>
    <link rel="icon" href="./files/logo.png">
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Paytone+One&family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">

```

</head>

```
<body class="contactbody">
    <nav>
        
        <ul class="navbar">
            <li>
                <a href=".index.html">Home</a>
                <a href=".index.html#locations">Locations</a>
                <a href=".index.html#package">Packages</a>
                <a href=".about.html">About Us</a>
                <a href=".contact.html">Contact Us</a>
            </li>
        </ul>
    </nav>
```

```
<div class="contact-form">
    <h1>Contact Us</h1>
    <p>We are always out there to help you! Fill out the form given below and get a reply from us within 2 business days.</p>
    <form action="">
        <input type="text" name="myname" placeholder="Your Name" required>
        <input type="email" name="email" placeholder="Your E-mail" required>
        <input type="text" name="subject" placeholder="What brings you here?" required>
        <textarea name="message" cols="30" rows="10" placeholder="Your Message" required></textarea>
        <input type="submit" value="Submit" class="submit-btn">
    </form>
</div>

</section>

<!-- Footer -->

<section class="footer">
    <div class="foot">
        <div class="footer-content">
            <div class="footlinks">
                <h4>Quick Links</h4>
                <ul>
                    <li><a href=".register.html">Register</a></li>
                    <li><a href=".about.html">About Us</a></li>
                    <li><a href=".contact.html">Contact Us</a></li>
                </ul>
            </div>
            <div class="footlinks">
                <h4>Connect</h4>
                <div class="social">
                    <a href="https://www.facebook.com/profile.php?id=100015380295018&mibextid=ZbWKwL" target="" blank"><i class='bx bxl-fa'></i></a>
                </div>
            </div>
        </div>
    </div>
</section>
```

```

        <li><a href=".register.html" >Register</a></li>
        <li><a href=".about.html">About Us</a></li>
        <li><a href=".contact.html">Contact Us</a></li>
    </ul>
</div>

<div class="footlinks">
    <h4>Connect</h4>
    <div class="social">
        <a href="https://www.facebook.com/profile.php?id=100015380295018&mibextid=ZbWKwL" target="_blank"><i class='bx bxl-facebook'></i></a>
        <a href="https://instagram.com/nithin_kumar_986?igshid=YmMyMTA2M2Y=" target="_blank"><i class='bx bxl-instagram' ></i></a>
    </div>
</div>

</div>
</div>

<div class="end">
    <p>Copyright © 2022 Firstflight Travels All Rights Reserved.<br>Website developed by:VISHNU AND NITHIN</p>
</div>
</section>

</body>
</html>

```

INDEX:

```

<!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">
    <title>TOURS AND TRAVELS</title>
    <link rel="icon" href=".files/logo.png">
    <link rel="stylesheet" type="text/css" href=".css/style.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Paytone+One&family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet"
    href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
</head>
<body>

<!-- Background Video & Header -->
<div class="banner">
    <video src=".files/bgvid.mp4" type="video/mp4" autoplay muted loop></video>
<!-- Header -->

<div class="content" id="home">
    <nav>
        
        <ul class="navbar">
            <li>
                <a href="#home">Home</a>
                <a href="#locations">Locations</a>

```

```
<!-- Services -->

<section class="container">
  <div class="text">
    <h2>We have the best services available for you!</h2>
  </div>
  <div class="rowitems">
    <div class="container-box">
      <div class="container-image">
        
      </div>
      <h4>Flight Services</h4>
      <p>Arrival and Departure</p>
    </div>

    <div class="container-box">
      <div class="container-image">
        
      </div>
      <h4>Food Services</h4>
      <p>Catering</p>
    </div>

    <div class="container-box">
      <div class="container-image">
        
      </div>
      <h4>Travel Services</h4>
      <p>Pick-up/drop</p>
    </div>
  </div>
</section>
```

```

<section class="locations" id="locations">
  <div class="package-title">
    <h2>Locations</h2>
  </div>

  <div class="location-content">

    <a href="../locations.html#kashmir" target="_blank"><div class="col-content">
      
      <h5>India</h5>
      <p>Kashmir</p>
    </div></a>

    <a href="../locations.html#istanbul" target="_blank"><div class="col-content">
      
      <h5>Turkey</h5>
      <p>Istanbul</p>
    </div></a>

    <a href="../locations.html#paris" target="_blank"><div class="col-content">
      
      <h5>France</h5>
      <p>Paris</p>
    </div></a>

    <a href="../locations.html#bali" target="_blank"><div class="col-content">
      
      <h5>Indonesia</h5>
      <p>Bali</p>
    </div></a>
  </div>

```

LOCATION:

```

<!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">
    <title>Travel Destinations</title>
    <link rel="icon" href=".//files/logo.png">
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Paytone+One&family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet"
    href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
  </head>
  <body class="location-body">
    <nav>
      
      <ul class="navbar">
        <li>
          <a href=".//index.html">Home</a>
          <a href=".//index.html#locations">Locations</a>
          <a href=".//index.html#package">Packages</a>
          <a href=".//about.html">About Us</a>
          <a href=".//contact.html">Contact Us</a>
        </li>
      </ul>
    </nav>
    <section class="location-section">
      <div class="location-heading">
        <h1>Discover The <span>Beautiful World</span></h1>

```

```

<div class="location-detail" id="kashmir">
    <h1>Kashmir</h1>
    <div class="stars">
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
    </div>
    <p>Heaven on Earth Kashmir is one of the most beautiful travel destinations to visit in North India. Nowhere in India you will behold such natural beauty as in the state of Jammu and Kashmir. The state is known for its lush green landscapes, snow-capped mountains, and crystal-clear lakes. The city of Srinagar is often referred to as the "Venice of the East" due to its numerous water bodies and gondolas. The state also offers opportunities for adventure sports like paragliding, rafting, and trekking in the surrounding hills. The local culture is rich and vibrant, with traditional music and dance performances that are a must-see.
    <div class="location-img">
        |   
    </div>
</div>

<div class="location-detail" id="istanbul">
    <h1>Istanbul</h1>
    <div class="stars">
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star"></i></a>
        <a href="#"><i class="bx bxs-star-half"></i></a>
    </div>
    <p>Istanbul, that offers unique historical and cultural riches together has hosted many different civilizations with its geography spanning Europe and Asia. The city is known for its rich history, including the Hagia Sophia, Topkapi Palace, and the Blue Mosque. It's also a major center for art, culture, and cuisine, with delicious Turkish delights and coffee shops.
    <div class="location-img">
        |   
    </div>
</div>

<div class="location-detail" id="paris">
    <h1>Paris</h1>
    <div class="stars">

```

REGISTER PAGE:

```

<!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">
    <title>Register Here</title>
    <link rel="icon" href="./files/logo.png">
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Paytone+One&family=Poppins:wght@100,200,300,400,500,600,700,800,900&display=swap" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
</head>
<body class="register-body">

    <nav>
        
        <ul class="navbar">
            <li>
                <a href=".//index.html">Home</a>
                <a href=".//index.html#locations">Locations</a>
                <a href=".//index.html#package">Packages</a>
                <a href=".//about.html">About Us</a>
                <a href=".//contact.html">Contact Us</a>
            </li>
        </ul>
    </nav>

    <section class="registration">
        <div class="register_form">

```

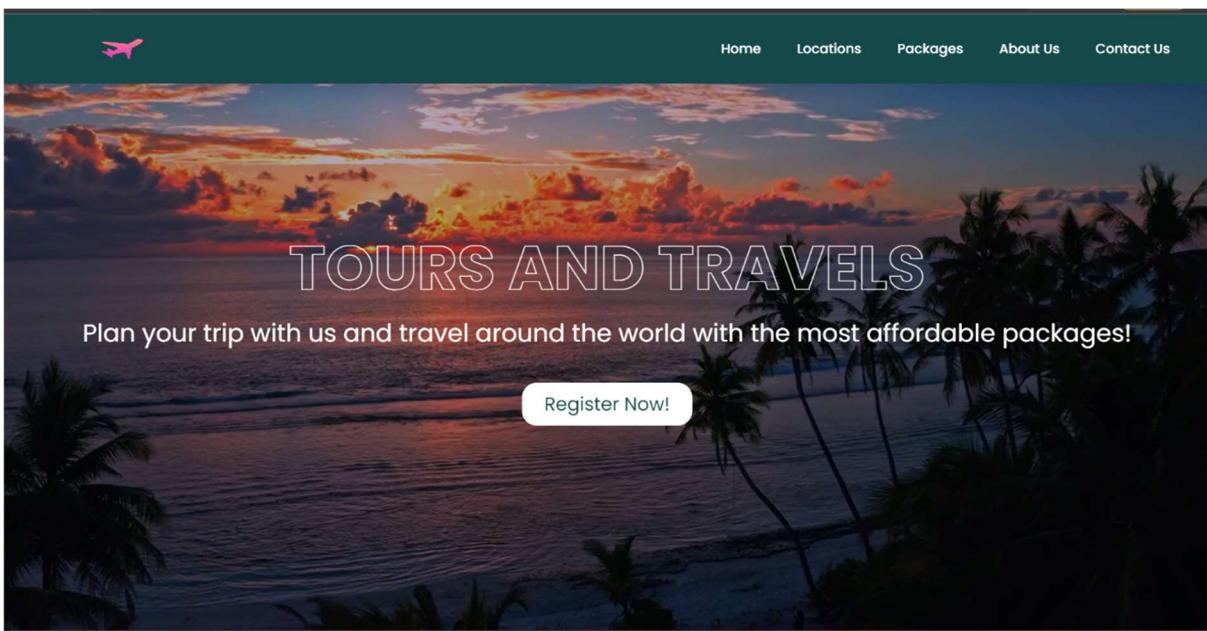
```

<h1>Register <span>Here</span></h1>
<form action="" onsubmit="return validateform()">

<input type="text" name="myname1" placeholder="Name" id="name" required>
<input type="email" name="myemail" placeholder="Email-Id" id="" required>
<input type="tel" name="myphone" placeholder="Phone No." id="phonenum" required>
<input type="number" name="myage" placeholder="Age" id="" required>
<h4>Gender</h4>
<input type="radio" name="mygender" id="" required> Male &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<input type="radio" name="mygender" id=""> Female
<h4>Departure</h4>
<input type="datetime-local" name="departuredate" id="" required>
<h4>Return</h4>
<input type="datetime-local" name="returndate" id="" required>
<h4>Travel Destination</h4>
<input type="checkbox" name="td" id=""> Kashmir &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Istanbul &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Paris &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Bali &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Dubai &nbsp; &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Geneva &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Port Blair &nbsp; &nbsp; &nbsp;
<input type="checkbox" name="td" id=""> Rome &nbsp; &nbsp; &nbsp;
<br> <br>
<h4>Package</h4>
<input type="radio" name="locations" id="loc1" required> Bronze &nbsp; &nbsp; &nbsp;
<input type="radio" name="locations" id="loc1"> Silver &nbsp; &nbsp; &nbsp;
<input type="radio" name="locations" id="loc1"> Gold &nbsp; &nbsp; &nbsp;
<input type="radio" name="locations" id="loc1"> Platinum &nbsp; &nbsp; &nbsp;
<br> <br>
<input type="checkbox" name="t&c" id="" checked required> I accept the Terms & Conditions.
<br> <br>
<input type="submit" value="Submit" class="submitbtn">

```

SCREENSHOTS OF OUR WEBSITE:





Home Locations Packages About Us Contact Us

Register Here

Name Email-Id Phone No.

Age

Gender
 Male Female

Departure

Return

Travel Destination
 Kashmir Istanbul Paris Bali Dubai Geneva Port Blair
 Rome

Package
 Bronze Silver Gold Platinum

* I accept the Terms & Conditions.



Home Locations Packages About Us Contact Us

Contact Us

We are always out there to help you! Fill out the form given below and get a reply from us within 2 business days.

Your Name

Your E-mail

What brings you here?

Your Message

Result:

Thus, the details of architectural design/framework/implementation along with the screenshots were provided.

CONCLUSION

In conclusion, the Tours and Travel Management System project is a comprehensive and efficient solution to manage various aspects of the travel industry. The system offers an easy-to-use platform for tour operators and customers to book, manage and track their travel itineraries, making the process more streamlined and convenient. With features like real-time booking, itinerary management, and payment gateway integration, the system offers a seamless experience for both the service providers and travellers.

REFERENCES

<https://www.w3schools.com>
<https://stackoverflow.com/>
<https://www.geeksforgeeks.org>
<https://www.javatpoint.com/>
<https://www.tutorialspoint.com/index.htm>

AWS MACHINE LEARNING CERTIFICATE:

