

# **TRAVEL AROUND**

**A PROJECT REPORT**

*Submitted by*

**DEVANI HELIN JAGDISHBHAI**

**200320107002**

*In partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

*In*

**COMPUTER ENGINEERING**

**L. J. INSTITUTE OF ENGINEERING & TECHNOLOGY,  
Ahmedabad**



**Gujarat Technological University, Ahmedabad**

**April, 2024**



**L. J. Institute Of Engineering & Technology,  
Ahmedabad**

**CERTIFICATE**

This is to certify that the project report submitted along with the project entitled **TRAVEL AROUND** has been carried out by **DEVANI HELIN JAGDISHBHAI** under my guidance in partial fulfilment for the degree of Bachelor of Engineering in **Computer Engineering**, 8<sup>th</sup> Semester of Gujarat Technological University, Ahmedabad during the academic year 2023-24.

Prof. Steph Patel

Internal Guide

Prof. Shruti Raval

Head of the Department

# **PMMS Portal Certificate**



Date: 16.01.2024

Mr. Devani Helin Jagdishbhai,

Hanuman Sheri, Kunkavav Moti, Amreli, Gujarat - 365450

Appointment Letter

Dear Mr. Devani Helin Jagdishbhai,

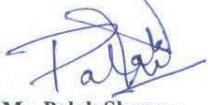
We are pleased to offer you a position as a **Software Developer Trainee** from 16th January 2024 at La Net Team Software Solutions Pvt. Ltd., Surat.

You will be offered Full-Time employment, as a **Software Developer** with our organization located at **Surat, Gujarat**.

The company reserves the right to terminate your employment/training on grounds of misconduct or breach of terms and conditions of employment.

Congratulations and welcome to the team!

Best Wishes,  
For La Net Team Software Solutions Pvt Ltd

  
Ms. Palak Sharma  
(HR Executive)



[WWW.LANETTEAM.COM](http://WWW.LANETTEAM.COM)



406 Luxuria Business Hub, Near VR mall, Surat-Dumas Rd, Surat, Gujarat-395007



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**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**(Established under Gujarat Act No. 20 of 2007)**

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી  
(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

**Annexure 2**

**Feedback Form by Industry expert**

Student Name: Devani Helin Jagdishbhai Date: 20/04/2024

Work Supervisor: Vishesh Mistry Title:

Company/Organization: La Net Team Software Solution Pvt. Ltd.

Enrollment No: 200320107002.

Internship Address: 406, Luxor business hub, Vesu, Surat - 395007.

Dates of Internship: From 15/01/2024 to 20/04/2024

Please evaluate your intern by indicating the frequency with which you observed the following behaviors:

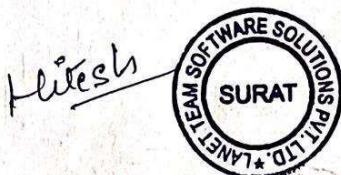
Parameters	Needs improvement	Satisfactory	Good	Excellent
Shows interest in work and his/her initiatives			✓	
Produces high quality work and accepts responsibility			✓	
Uses technical knowledge and expertise			✓	
Analyzes problems effectively			✓	
Communicates well and writes effectively			✓	

Overall performance of student intern: (Needs improvement/ Satisfactory/Good/Excellent):

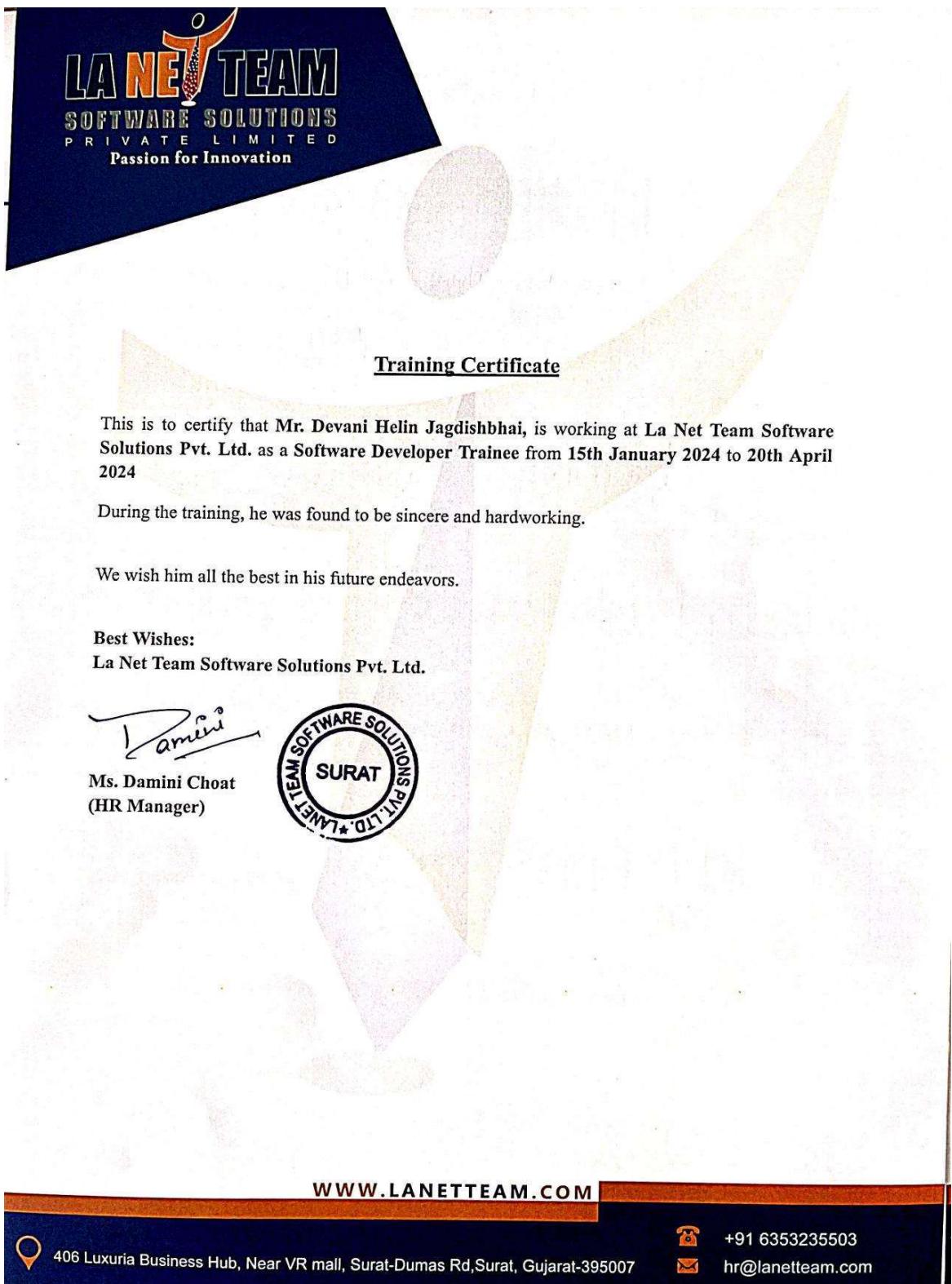
Helin is good learner and adapting things very fast.

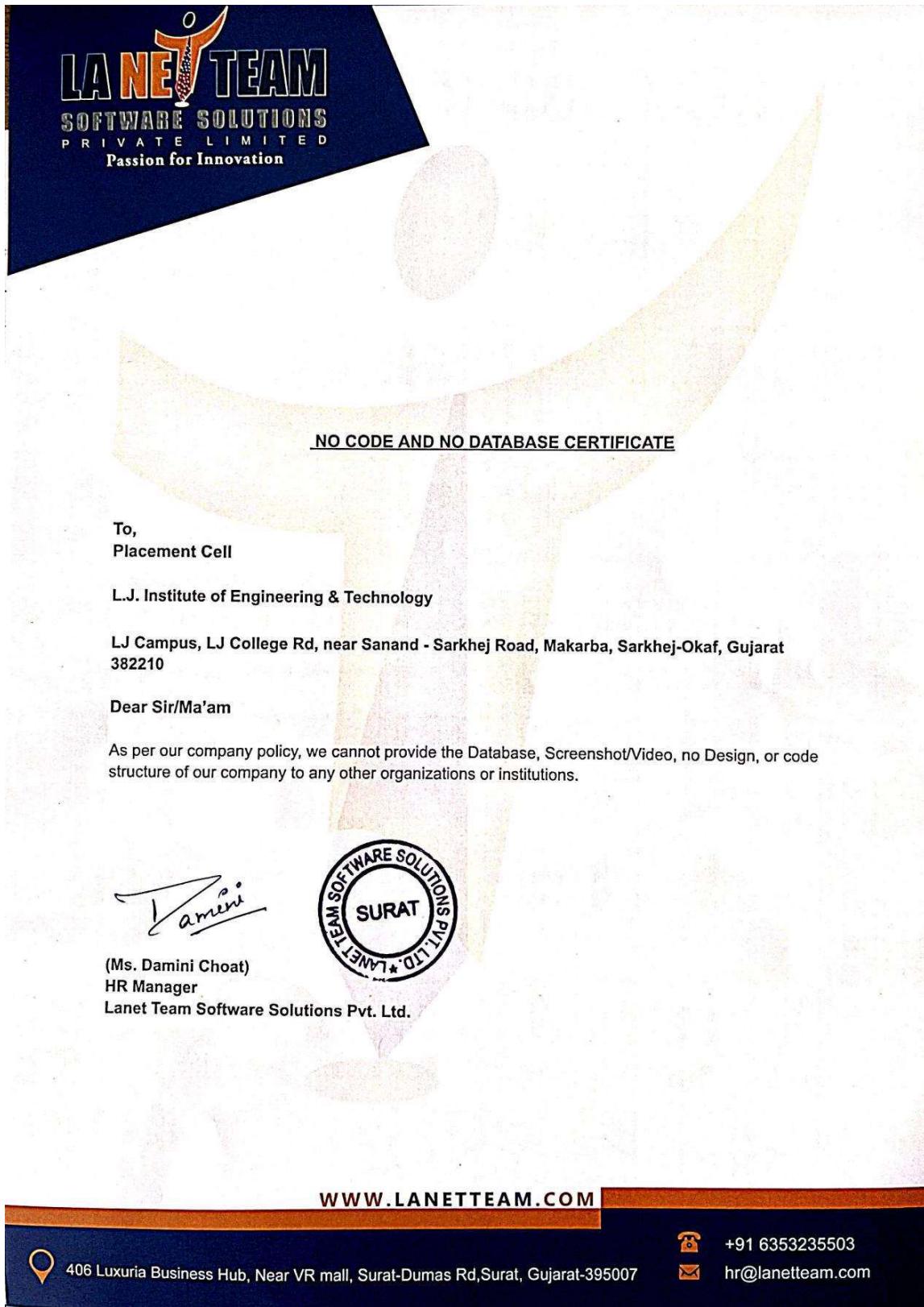
Additional comments, if any:

Signature of Industry person with name and Stamp:



Signature of the Faculty Mentor





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**L. J. Institute Of Engineering & Technology,  
Ahmedabad**

**DECLARATION**

I hereby declare that the Internship report submitted along with the Internship entitled **Travel Around** submitted in partial fulfilment for the degree of Bachelor of Engineering in Information Technology to Gujarat Technological University, Ahmadabad, is a bonafide record of original project work carried out by me at **La Net Team Software Solutions** Under the supervision **Mr. Viresh Mistry** and that no part of this report has been directly copied from any students' report or taken from any other source, without providing due reference.

Name of the Student

Sign of Student

1. Devani Helin Jagdishbhai

## **ACKNOWLEDGEMENT**

I would like to express my sincere gratitude to several individuals for supporting me throughout my internship project. First, I wish to express my sincere gratitude to my Internal Guide, **Prof. Stephy Patel**, for his enthusiasm, patience, insightful comments, helpful information, practical advice and unceasing ideas that have helped me tremendously at all times in my project. Without his support and guidance, this project would not have been possible.

I would like to express my endless thanks to my external guide **Mr. Viresh Mistry**, at **La Net Team Software Solutions** their sincere and dedicated guidance throughout the project development.

I also wish to express my sincere thanks to HOD of Computer Engineering **Prof. Shruti Raval** for providing the needful support throughout the timeline. Additionally, I would acknowledge all the support staff and my friends for their constant help and mental support.

**DEVANI HELIN JAGDISHBHAI**  
**200320107002**

## **ABSTRACT**

*The purpose of developing Travel Around website is to provide travel destinations for the traveller. Travel Around will provide the user with the description of spots/locations along with the pictures, duration and group size.*

*Travel Around provides location based real-time availability of tours and various travel destinations including sightseeing some of the exclusions and inclusion about places. This web-based application helps in maintaining the database. It has a friendly environment that connects customers willingly.*

*Thus, it simplifies the process by saving our time and efforts.*

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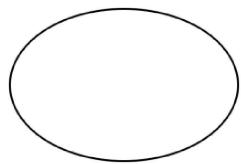
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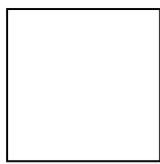
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## LIST OF SYMBOLS



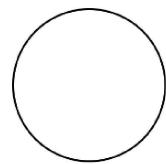
Use Case



Entity



Data Store



Process



Directional Connector



Actor

## LIST OF ABBREVIATIONS

- Docs Documents
- IDE Integrated Development Environment
- SQL Structured Query Language
- JS JavaScript
- HTML Hyper Text Markup Language
- CSS Cascading Style Sheet
- DBA Database Administrator
- DBMS Database Management System
- HR Human resources

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# Chapter

1

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## 1. OVERVIEW OF THE COMPANY

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**History**

**Different Products**

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## OVERVIEW OF THE COMPANY

### La Net Team Software Solutions

La Net Team is a software outsourcing company that focuses on highly qualitative, timely delivered and cost effective offshore software development services to its clients. We are premiere top ranked providers on Upwork- world's most popular third-party sourcing platform. We adhere to stringent quality standards and flexible business practices with at most professionalism, so as to enable our clients to operate more efficiently and gain an edge over their competitors. La Net Team offers affordable and All-Inclusive custom development solutions to its venerated clients with guaranteed Quality of service.

La Net Team provides a quality driven approach towards software development and provides end-to-end customized solutions catering to the requirements. Each of our professionals is experienced, detail oriented Senior Software Engineer with strong problem solving, communication and project management skills.

La Net Team takes pride in announcing the achievement of ISO 9001:2008 Certification. Because of our commitment towards quality and high standard services

The high point throughout the journey of La Net Team has been its professional bonding with myriad of clients all over the globe.

### DIFFERENT PRODUCTS

- <https://www.crmone.com/>

# Chapter 2

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## **2. OVERVIEW OF THE COMPANY DEPARTMENT**

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**All Departments**

**Technical Specifications in department**

**Sequence of operators**

**Product stages**

---

# OVERVIEW OF THE COMPANY DEPARTMENT

## All departments

- HR Department
- Sales Marketing Department
- Development Department
- Testing Department

## Technical Specifications in department

### • **HR Department**

A HR department is tasked with maximizing employee productivity and protecting the company from any issues that may arise within the workforce. HR responsibilities include compensation and benefits, recruitment, firing, and keeping up to date with any laws that may affect the company and its employees.

### • **Sales Marketing Department**

A sales and marketing department has the responsibility for deciding where the company should sell and what its prices should be. it's designed to make the life of you and your field sales team easier while increasing productivity and performance.

### • **Development Department**

A Development department in different department like Web Development , Android Development , IoS Development etc. Web development services help create all types of web-based software and ensure great experience for web users.

Android app development services comprise design, development, and enhancement of mobile software that runs on all supported Android OS versions.

And an iOS developer is responsible for developing applications for mobile devices powered by Apple's iOS operating system

- **Testing Department**

Testing is the process of evaluating a system or its component(s) with the intent to find whether it satisfies the specified requirements or not. In simple words, testing is executing a system in order to identify any gaps, errors, or missing requirements in contrary to the actual requirements.

## **Sequence of operators**

First of all, research teams acquire all the requirements from customers then analyze it and derive features to be developed for product. Research team also estimates cost and time to complete the project.

Then work is divided as per respective team and work is given to them to complete in specific time duration. Like, Laravel team is assigned with all the back-end work, React JS team is assigned all front-end related work.

After completion of development testing team is responsible for testing of the project to maintain quality of the project developed.

## Product stages

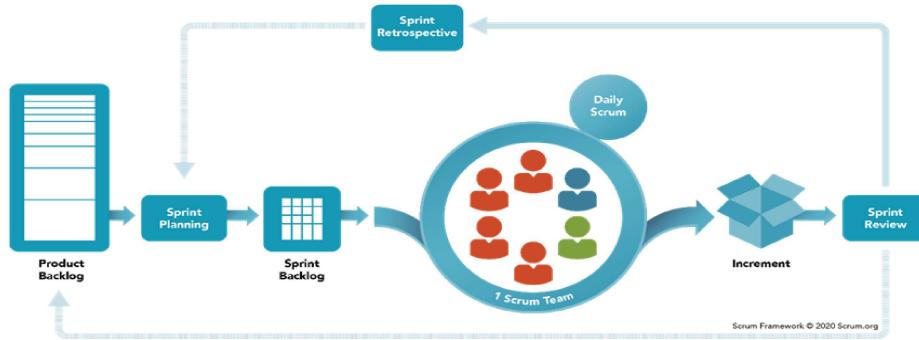


Fig 2.1 Production Stage

# Chapter 3

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## 3. INTRODUCTION TO INTERNSHIP

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### **Project Summary**

### **Purpose**

### **Objective**

### **Scope**

### **Technology and Literature Review**

### **Planning**

### **Scheduling**

---

# INTRODUCTION TO INTERNSHIP

## Project Summary

Table 3.1: Project Summary

<b>Project Title</b>	Travel Around	
<b>Aim</b>	<p>The aim of the Travel Around website is to provide comprehensive information, resources, and inspiration for travelers worldwide. It aims to be a one-stop destination for all things related to travel, including destination guides, travel tips, budgeting advice, accommodation options, transportation guides, cultural insights, and more. Ultimately, the goal is to empower individuals to plan and execute memorable and fulfilling travel experiences, whether it's a weekend getaway or a long-term exploration of the world.</p>	
<b>Developed At</b>	La Net Team Software Solutions Pvt. Ltd.	
<b>Project Category</b>	Web site	
<b>Tools</b>	IDE	Visual Studio Code
	Languages/Frameworks	React.js, Asp.Net Core
	Database	MySQL
<b>Duration</b>	3 Months (January 2024 to April 2024)	

## Purpose

Tourism is currently recognized as a global industry that is growing at a high rate, like any other industry. This web-based application helps in maintaining the database. It has a friendly environment that connects customers willingly. Thus, it simplifies the process by saving our time and efforts. It will help tour managers to control and handle the tour-related activities effectively and efficiently. A further modification could be possible where the system can be integrated with bigger organizations such as tourist agencies in order to help them.

## Objective

The main objective of our project is to empower and enrich the travel experiences of its visitors, helping them create meaningful and memorable journeys around the globe.

## Scope

- Tourism has bloomed over the years and is one of the fastest-growing domains in the online world.
- Overall, the online world has played a pivotal role in fueling the growth of tourism, making travel more accessible, convenient, and personalized for people around the globe. As technology continues to advance, we can expect further innovations and developments that will shape the future of travel in the digital age.

## Technology and Literature Review

Table 3.2 Technologies Used to Develop Project

Front End	React.js, HTML, CSS
Back End	Asp .Net Core
Database	My Sql

## Planning

### **Project / Internship Development Approach and Justification**

The software development models are the various processes or methodologies that are being selected for the development of the project depending on the project's aims and goals. There are many development life cycle models that have been developed in order to achieve different required objectives. The models specify the various stages of the process and the order in which they are carried out.

The selection of model has very high impact on the testing that is carried out. It will define the what, where and when of our planned testing, influence regression testing and largely determines which test techniques to use.

According to our project requirements we chose scrum methodology to accomplish project in effective and timely manner.

#### Scrum Methodology

Scrum is an agile development methodology used in the development of Software based on an iterative and incremental processes. Scrum is adaptable, fast, flexible and effective agile framework that is designed to deliver value to the customer throughout the development of the project. The primary objective of Scrum is to satisfy the customer's need through an environment of transparency in communication, collective responsibility and continuous progress. The development starts from a general idea of what needs to be built, elaborating a list of characteristics ordered by priority (product backlog) that the owner of the product wants to obtain.

#### Scrum Methodology & Process

Scrum is precisely an evolution of Agile Management. Scrum methodology is based on a set of very defined practices and roles that must be involved during the software development process. It is a flexible

methodology that rewards the application of the 12 agile principles in a context agreed by all the team members of the product.

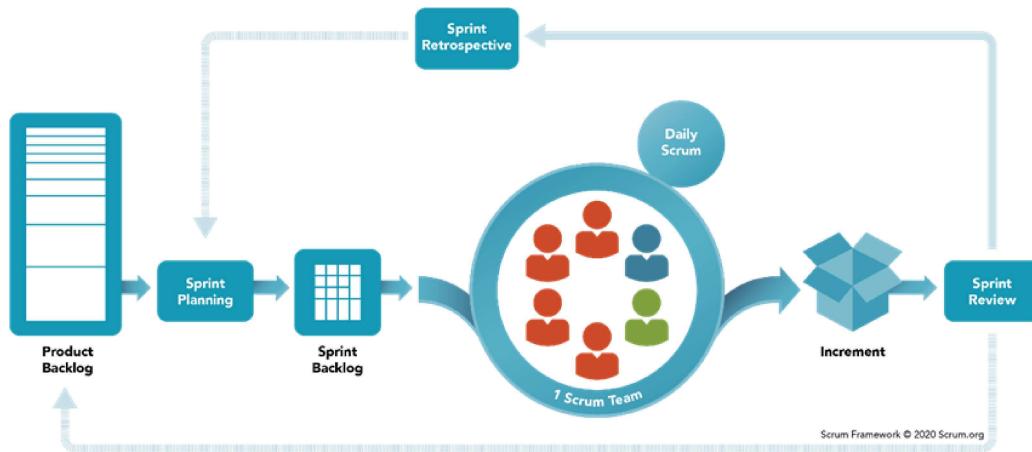


Fig 3.1 Scrum Methodology

(“Courtesy of Scrum.org”)

Scrum is executed in temporary blocks that are short and periodic, called Sprints, which usually range from 2 to 4 weeks, which is the term for feedback and reflection. Each Sprint is an entity in itself, that is, it provides a complete result, a variation of the final product that must be able to be delivered to the client with the least possible effort when requested.

The process has as a starting point, a list of objectives/ requirements that make up the project plan. It is the client of the project that prioritizes these objectives considering a balance of the value and the cost thereof, that is how the iterations and consequent deliveries are determined.

On the one hand the market demands quality, fast delivery at lower costs, for which a company must be very agile and flexible in the development of products, to achieve short development cycles that can meet the demand of customers without undermining the quality of the result. It is a very easy methodology to implement and very popular for the quick results it gets.

Scrum methodology is used mainly for software development, but other sectors are also taking advantage of its benefits by implementing this methodology in their organizational models such as sales, marketing, & HR teams etc.

### **Roles and Responsibilities**

- Scrum Master

The person who leads the team guiding them to comply with the rules and processes of the methodology. Scrum master manages the reduction of impediments of the project and works with the Product Owner to maximize the ROI. The Scrum Master is in charge of keeping Scrum up to date, providing coaching, mentoring and training to the teams in case it needs it.

- Product Owner

Product is the representative of the stakeholders and customers who use the software. They focus on the business part and is responsible for the ROI of the project. They translate the vision of the project to the team, validate the benefits in stories to be incorporated into the Product Backlog and prioritize them on a regular basis.

- Team

A group of professionals with the necessary technical knowledge who develop the project jointly carrying out the stories they commit to at the start of each sprint.

### **Group Dependencies**

- Java Development Team

Java Team develops back-end of web application. The API developed by Java team is then used by other teams to develop front-end and database.

- .Net Development Team

.Net works in both back-end as well as front-end development. It uses API developed by Java team. It processes documents and make it processable by Java team.

- DBA Team is responsible for entire database related work. It provides database service to Java as well as .Net team.

## Scheduling

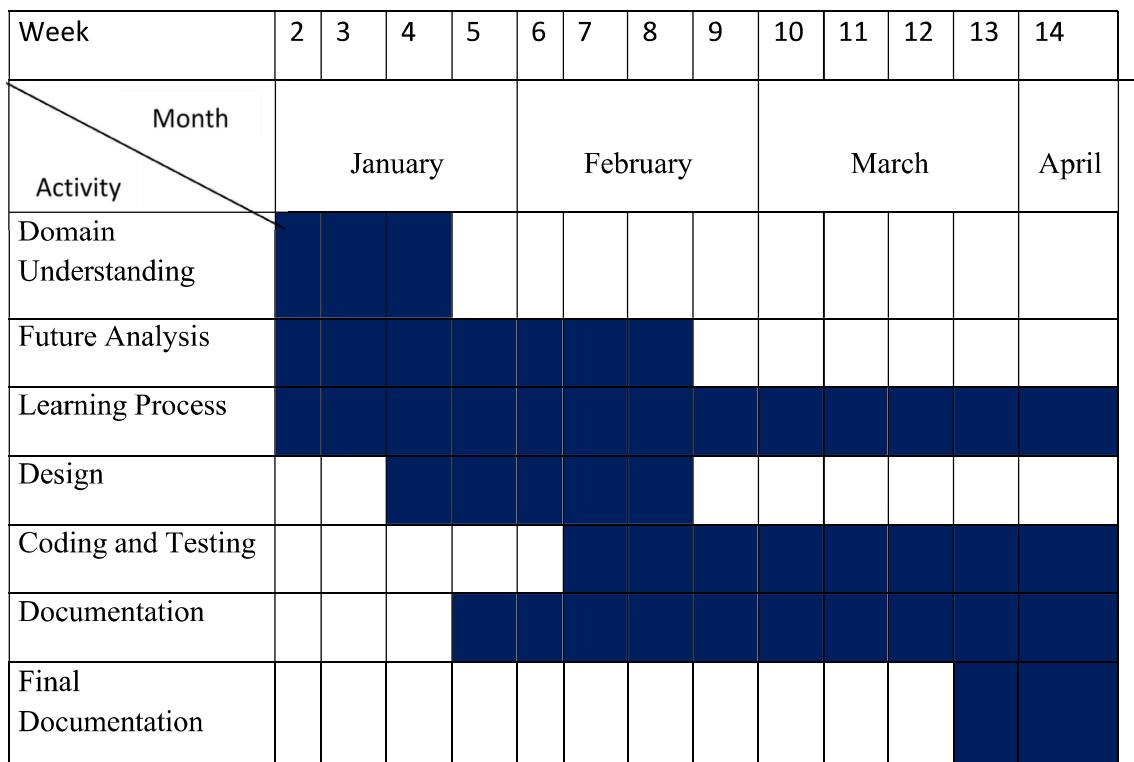


Fig 3.2 Gantt Chart

(Time scheduling from week 1)

# Chapter

# 4

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## **4. SYSTEM ANALYSIS**

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**Study of Current System**

**Weakness of Current System**

**Requirement of New System**

**Feasibility Study**

**Use case Diagram**

**Data flow Diagram**

**List of main Modules**

**Features of New System**

**Selection of Hardware and Software**

---

# SYSTEM ANALYSIS

## Study of Current System

### • MakeMyTrip

Certainly! MakeMyTrip is one of India's leading online travel companies, offering a range of travel-related services including flight bookings, hotel reservations, holiday packages, and other travel services.

### • Yatra

Certainly! Yatra is another major player in India's online travel industry, providing services similar to MakeMyTrip.

### • ClearTrip

ClearTrip offers curated tour packages for popular destinations, covering flights, hotels, and activities. Users can browse through different themes such as adventure, family, honeymoon, or luxury travel to find packages that suit their interests.

## Weakness of Current System

- Limited Customization
- Lack of Transparency
- Dependency on Third-Party Suppliers
- Customer Service Challenges
- Information Overload
- Risk of Misrepresentation
- Security Concerns
- Limited Local Expertise
- Inflexible Booking Policies
- Quality Control Issues

## Requirement of New System

- Tour package booking websites can focus on improving transparency, enhancing customization options, investing in robust customer service infrastructure, strengthening cybersecurity measures, and fostering partnerships with reputable suppliers.
- User-friendly system. The main objective of the new system is to have user-friendly system so that it become easy to understand by the nonprofessional.
- Less Time Consumption.
- Easy To Use.
- Easy GUI.
- Easy Maintenance
- Responsive Website for any device like laptop, mobile etc..

## Feasibility Study

### Scheduling for the Project

Table: 4.1 Activity of Proposed System

Title	Date	Status
Study Time	15/01/2024 to 19/01/2024	Completed
Introduction of languages	20/01/2024 to 24/01/2024	Completed
Data Gathering and Requirements Analysis	25/01/2024 to 29/01/2024	Completed
Design Diagrams	30/01/2024 to 03/02/2024	Completed
Data Dictionary	04/02/2024 to 05/02/2024	Completed
Database, Stored Procedure	06/02/2024 to 16/02/2024	Completed
Template Design, Reports	17/02/2024 to 29/02/2024	Completed
Coding/Implementation	01/03/2024 to 04/03/2024	Completed
Change Detection	05/03/2024 to 12/03/2024	Completed
Testing	13/03/2024 to 15/03/2024	Completed
Referencing the change	16/03/2024 to 22/03/2024	Completed

## Use Case Diagram

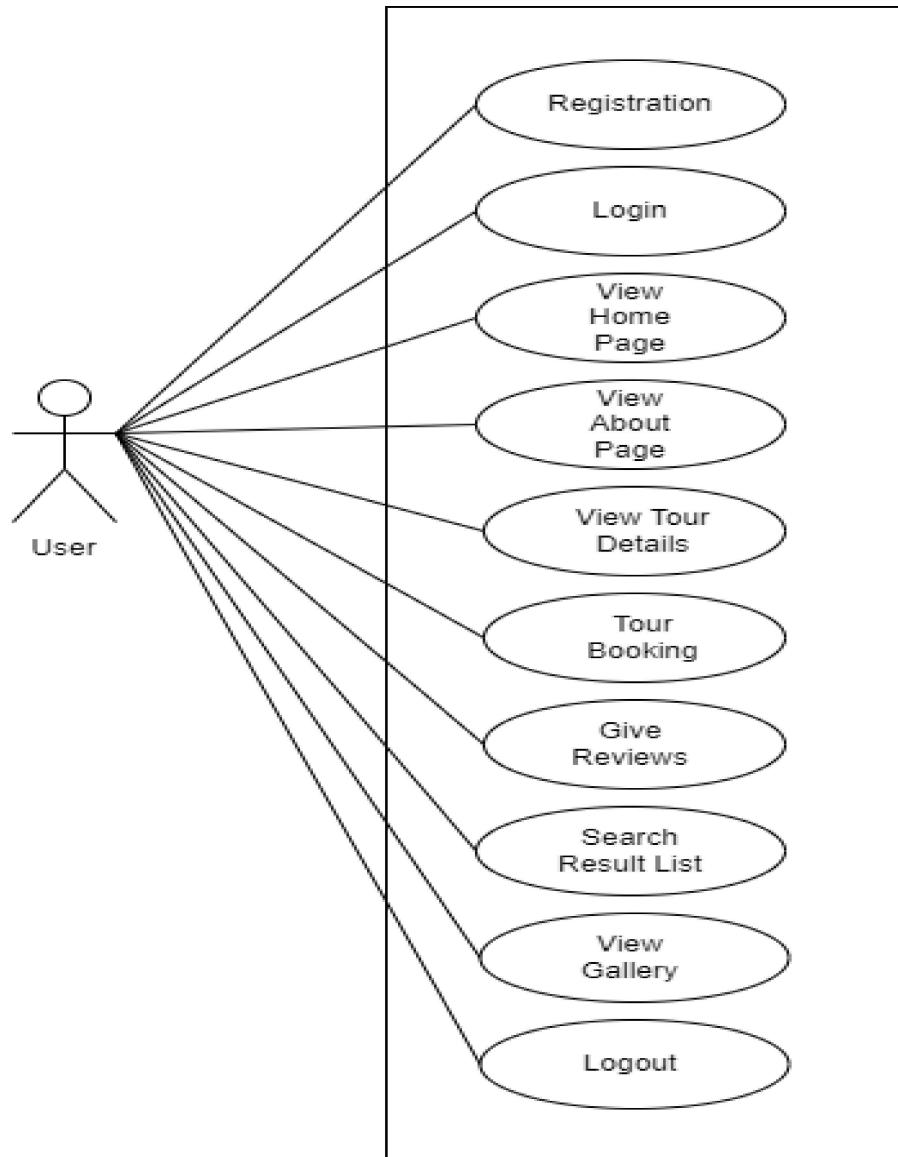


Fig 4.2 Use case diagram

## Data Flow Diagram

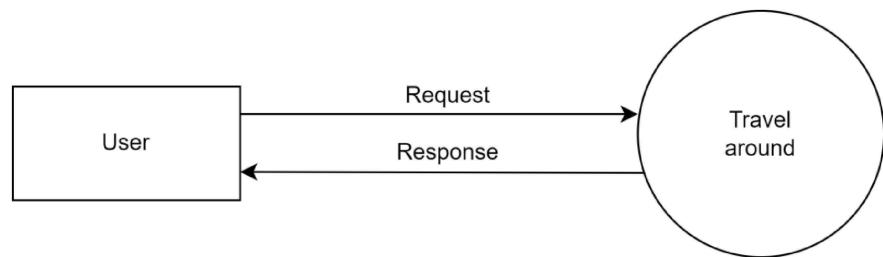


Fig 4.3 Data Flow Diagram (Level 0)

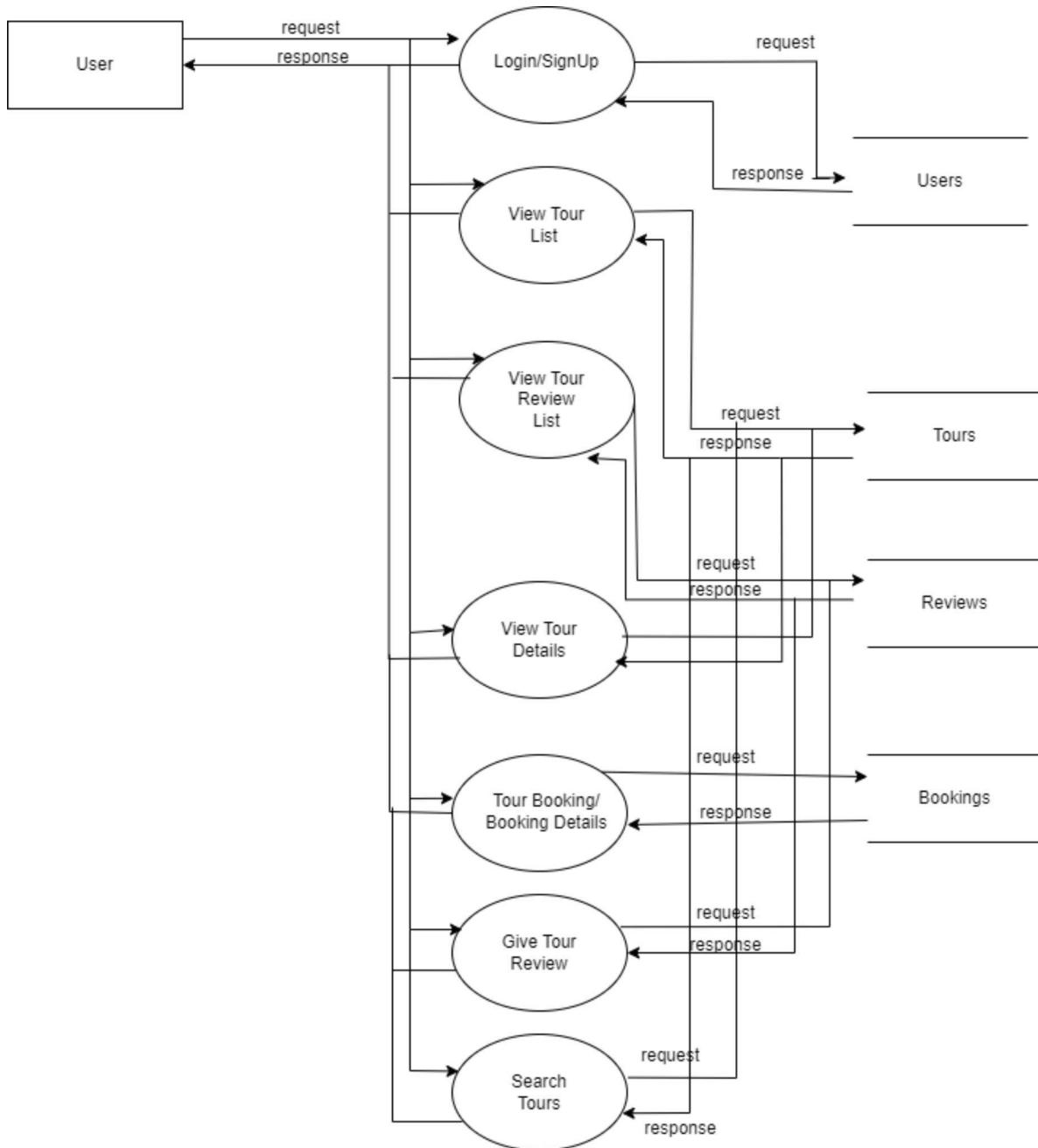


Fig 4.4 Data Flow Diagram (Level 1 Client/User)

## List of Modules

- System consists mainly two main modules:
  - i. Client

## Features of New System

This website is going to be used by mainly 1 kinds of user that deals with this application:

### 1. Client

User is new he/she will have to fill the registration form (username, password, email, full name, contact no. and type of places i.e. tags.). After registration, the user can login with the valid id and password. After login, users will get the places recommendation based on the preferences which were taken in the form of tags while registration. Based on the provided details by the user, an intelligent tree algorithm will run and best results will be provided from the database. Clicking on each result will provide the user with the description of spots/locations along with the pictures. To view the tour plan, users need to select any two between dates from which the days and the places are detailed with description. System will show multiple places with its images and other descriptions which will be viewable on map. Users can provide feedback to the admin regarding the working of the system.

## Selection of Hardware and Software

- Hardware
  - Development Machine Requirement (Average performance)
    - 8 GB RAM
    - 50 GB HDD
    - Internet
  - Client Machine Requirement
    - 4 GB RAM
    - 5 GB of HDD space
    - Network related tools
  - Host Machine Requirement
    - 32 GB RAM
    - 500 GB of HDD space
    - Network related tools
- Software
  - Development Machine Requirements
    - Visual Studio Code
    - Visual Studio
    - Browser
    - My Sql
    - React.js
    - Asp .Net Core
    - Postman
  - Client Machine Requirements
    - Browser
  - Host Machine Requirements ( Linux )
    - Browser

# Chapter

# 5

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## 5. SYSTEM DESIGN

---

**System Design and Methodology**

**Database Design**

**Interface Design**

---

# SYSTEM DESIGN

## System Design and Methodology

- We are using Scrum Methodology in development process.

Scrum is an agile development methodology used in the development of Software based on iterative and incremental processes. Scrum is adaptable, fast, flexible and effective agile framework that is designed to deliver value to the customer throughout the development of the project. The primary objective of Scrum is to satisfy the customer's need through an environment of transparency in communication, collective responsibility and continuous progress. The development starts from a general idea of what needs to be built, elaborating a list of characteristics ordered by priority (product backlog) that the owner of the product wants to obtain.

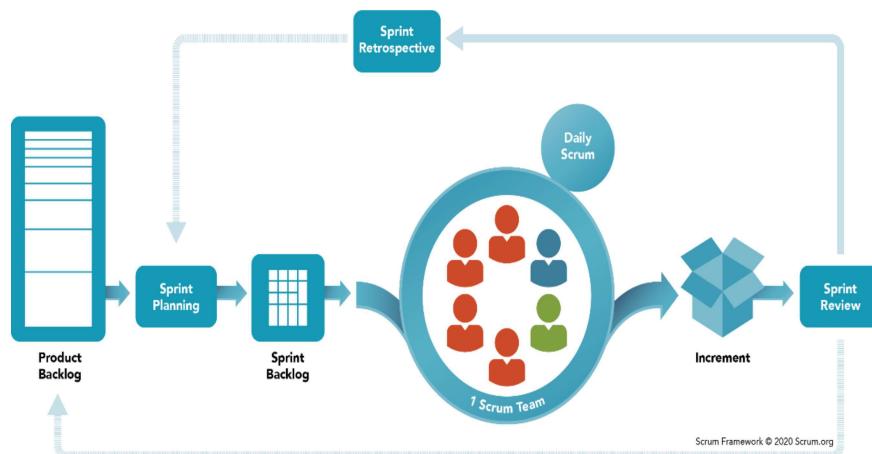


Fig 5.1 Scrum Methodology

## Scrum Methodology & Process

Scrum is precisely an evolution of Agile Management. Scrum methodology is based on a set of very defined practices and roles that must be involved during the software development process. It is a flexible methodology that rewards the application of the 12 agile principles in a context agreed by all the team members of the product.

Scrum is executed in temporary blocks that are short and periodic, called Sprints, which usually range from 2 to 4 weeks, which is the term for feedback and reflection. Each Sprint is an entity in itself, that is, it provides a complete result, a variation of the final product that must be able to be delivered to the client with the least possible effort when requested.

The process has as a starting point, a list of objectives/ requirements that make up the project plan. It is the client of the project that prioritizes these objectives considering a balance of the value and the cost thereof, that is how the iterations and consequent deliveries are determined.

On the one hand the market demands quality, fast delivery at lower costs, for which a company must be very agile and flexible in the development of products, to achieve short development cycles that can meet the demand of customers without undermining the quality of the result. It is a very easy methodology to implement and very popular for the quick results it gets.

Scrum methodology is used mainly for software development, but other sectors are also taking advantage of its benefits by implementing this methodology in their organizational models such as sales, marketing, & HR teams etc.

## Different Roles in Scrum

Fig 5.2 Different Roles in Scrum



## Database Design

Table 5.1 Users

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT
1.	Id	String	Unique
2.	UserName	String	Required, Unique
3.	Email	String	Required, Unique
4.	Password	String	Required
5.	Photo	String	Null
6.	Role	String	Null
7.	CreatedAt	timestamp	Null
8.	UpdatedAt	timestamp	Null

Table 5.2 Review

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT
1.	Id	String	Unique
2.	UserName	String	Required
3.	ReviewText	String	Required
4.	ProductId	String	Unique
5.	Rating	Int (32)	Required, min:0, max:5, default:0
6.	CreatedAt	timestamp	Null
7.	UpdatedAt	timestamp	Null

Table 5.3 Bookings

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT
1.	Id	String	Unique
2.	UserId	String	Unique
3.	UserEmail	String	Unique
4.	TourName	String	Require
5.	FullName	String	Require
6.	GuestSize	Int (32)	Require
7.	Phone	Int (32)	Require
8.	BookAt	String	Require
9.	CreatedAt	String	Null
10.	UpdatedAt	String	Null

Table 5.4 Tours

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT
1.	Id	String	Unique
2.	Title	String	Required, Unique
3.	City	String	Required
4.	Address	String	Required
5.	Distance	Int (32)	Required
6.	Price	Int (32)	Required
7.	MaxGroupSize	Int (32)	Required
8.	Desc	String	Required
9.	Reviews	Array	Null
10.	Photo	String	Required
11.	Featured	Boolean	Default: False
12.	UpdatedAt	Date	Null

# Chapter

# 6

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## 6. IMPLEMENTATION

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**Implementation Platform**

**Module Specification**

**Output Screenshots**

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# IMPLEMENTATION

## Implementation Platform

- Visual Studio Code

Visual Studio Code, also commonly referred to as VS Code is a source-code editor made by Microsoft for Windows, Linux and MacOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality.

In the Stack Overflow 2021 Developer Survey, Visual Studio Code was ranked the most popular developer environment tool, with 70% of 82,000 respondents reporting that they use it.

- Meet IntelliSense.

Go beyond syntax highlighting and auto complete with IntelliSense, which provides smart completions based on variable types, function definitions, and imported modules.

- Print statement debugging is a thing of the past

Debug code right from the editor. Launch or attach to your running apps and debug with break points, call stacks, and an interactive console.

- Git commands built-in

Working with Git and other SCM providers has never been easier. Review different, stage files, and make commits right from the editor. Push and pull from any hosted SCM service.

- Deploy with confidence and ease

With Microsoft Azure you can deploy and host your React, Angular, Node, Python (and more!) sites, store and query relational and document based data, and scale with server less computing, all with ease, all from within VS Code.

## Module Specification

This website is going to be used by mainly user that deals with this application:

### 1. Client

User is new he/she will have to fill the registration form (username, password, email). After registration, the user can login with the valid id and password. After login, users will get the places recommendation based on the preferences which were taken in the form of tags while registration. Based on the provided details by the user, an intelligent tree algorithm will run and best results will be provided from the database. Clicking on each result will provide the user with the description of spots/locations along with the pictures. To view the tour plan, users need to select any two between dates from which the days and the places are detailed with description. System will show multiple places with its images and other descriptions which will be viewable on map. Users can provide feedback to the admin regarding the working of the system.

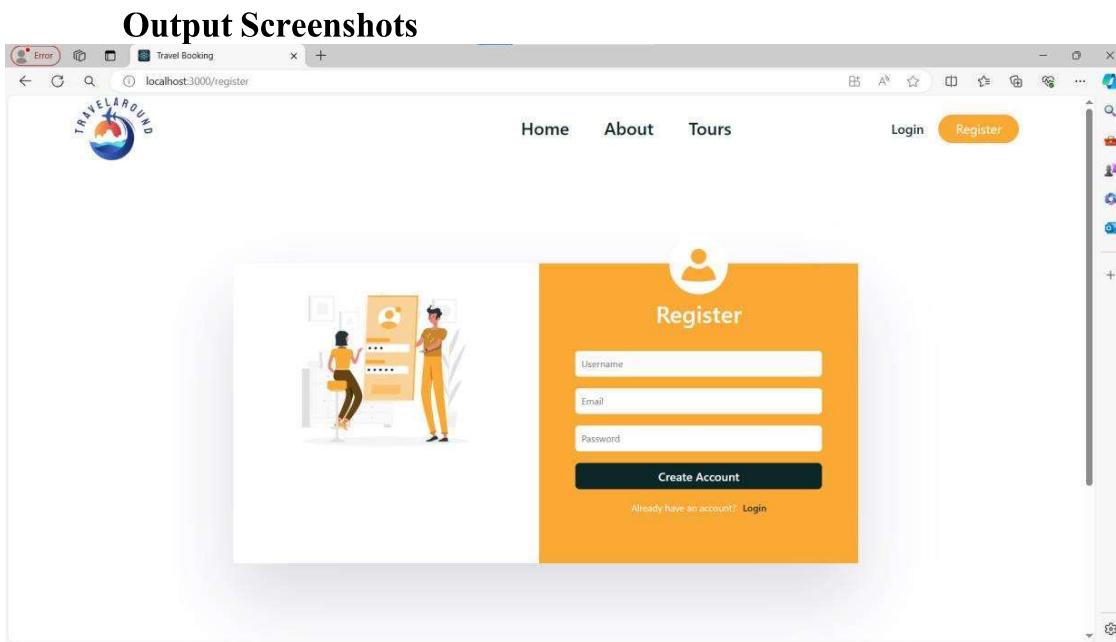


Fig 6.1 Register Page

**Description:** This is Screenshot of Register page from frontend which is shown at user side when user opens website this pages will display if user is already have an account than Login page have to submit else Register page for fresh users.

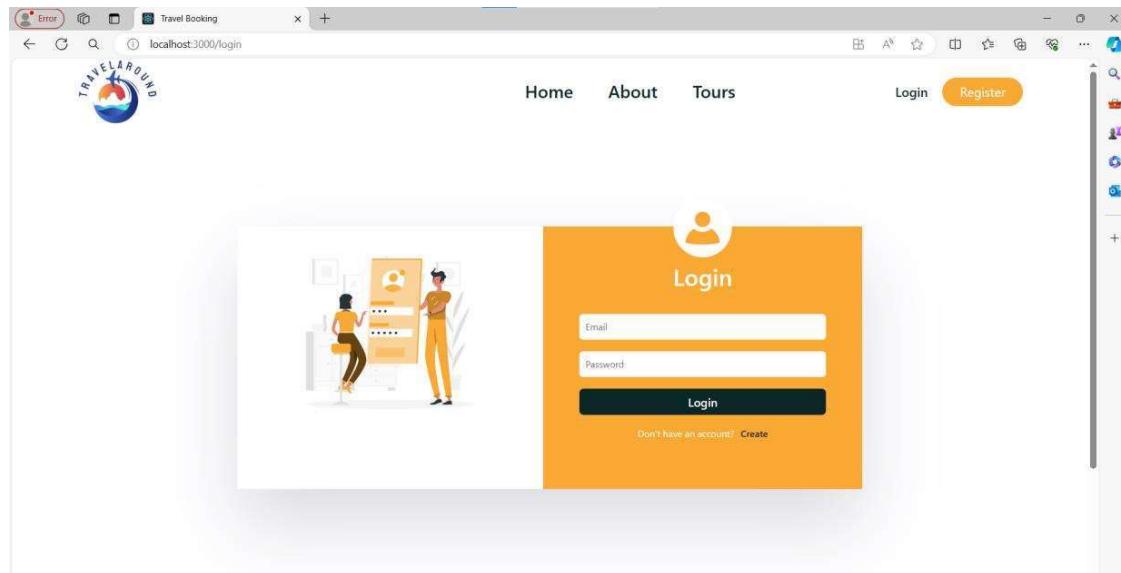


Fig 6.2 Login Page

**Description:** This is Screenshot of Login page from frontend which is shown at user side when if user is already have an account than Login page have to submit else Register page for fresh users.

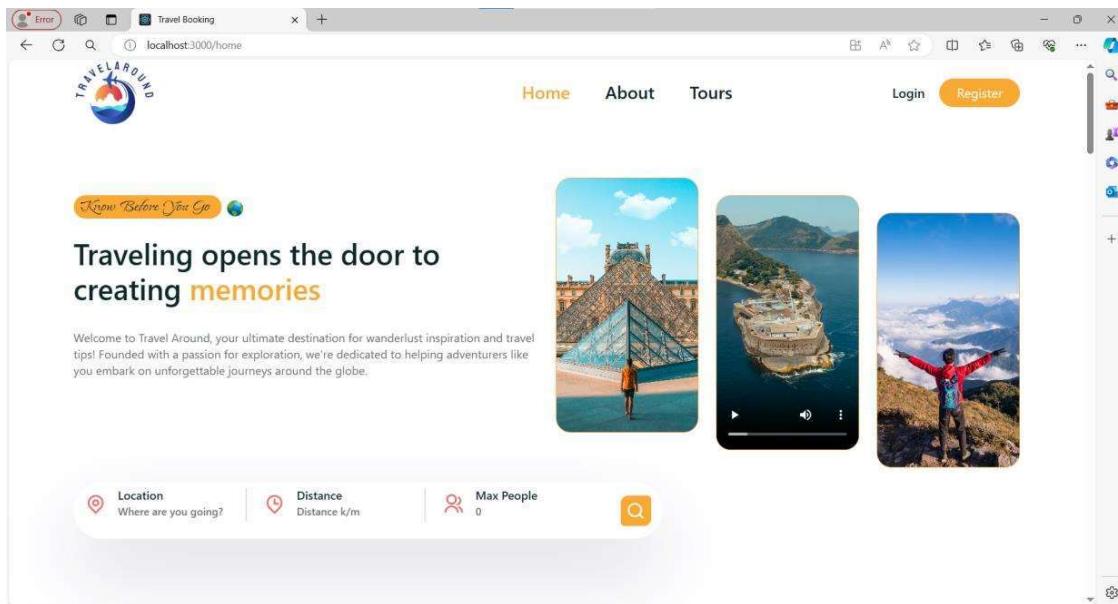


Fig 6.3 Home page – intro and search functionality

**Description:** This is Screenshot of Home page from frontend which is shown at user side when user opens website we can provide search functionality base on location, distance and max people.

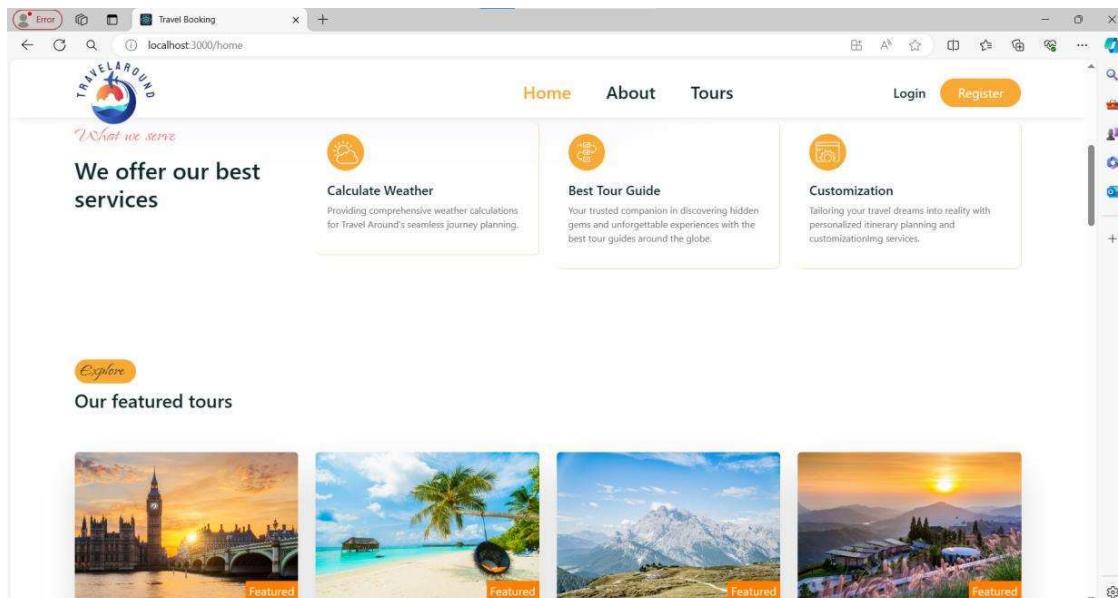


Fig 6.4 Home Page - services

**Description:** This is Screenshot of Home page from frontend which is shown at user side when user clicks on Home page. This page contains details regarding website we can provide services.

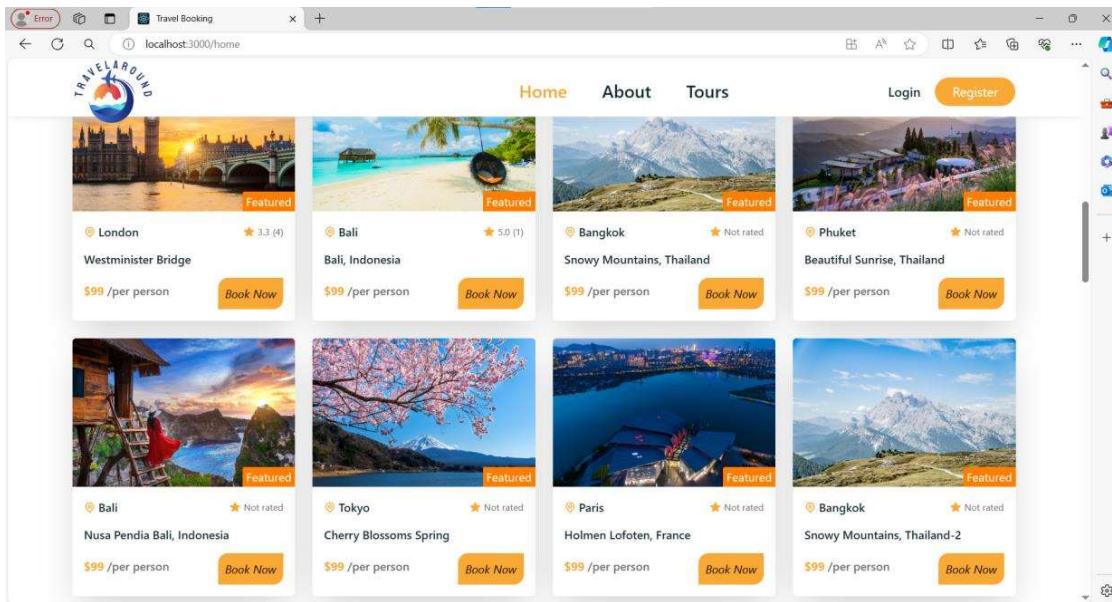


Fig 6.5 Home Page – featured tours

**Description:** This is Screenshot of Home page from frontend which is shown at user side when user clicks on Home page. This page contains details regarding website we can provide our featured tours.

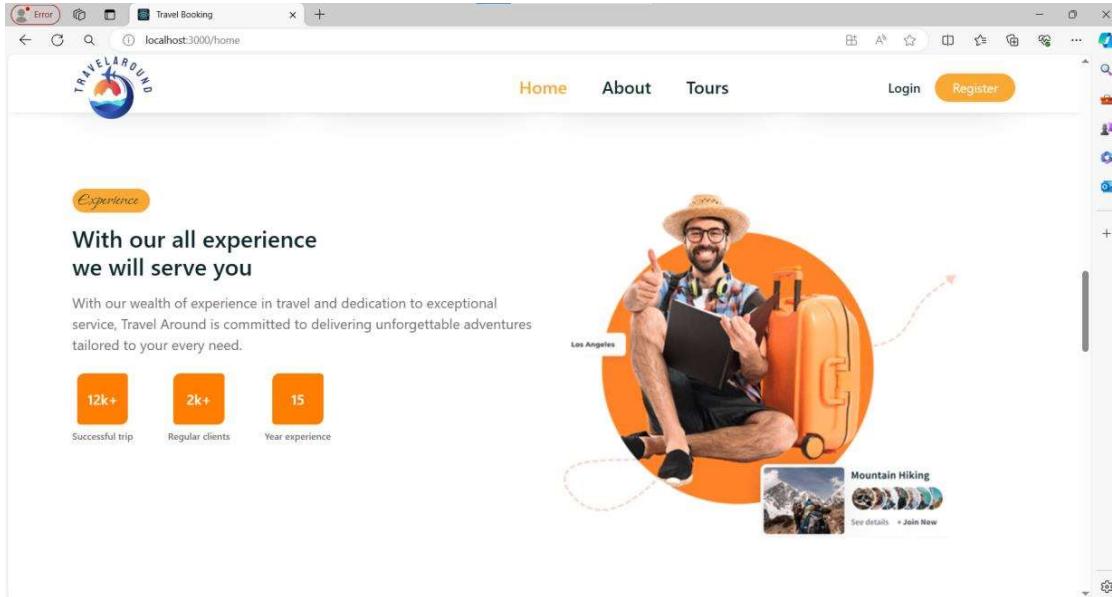


Fig 6.6 Home Page - Experience

**Description:** This is Screenshot of Home page from frontend which is shown at user side when user clicks on Home page. This page contains details regarding website we can provide our Experience related information.

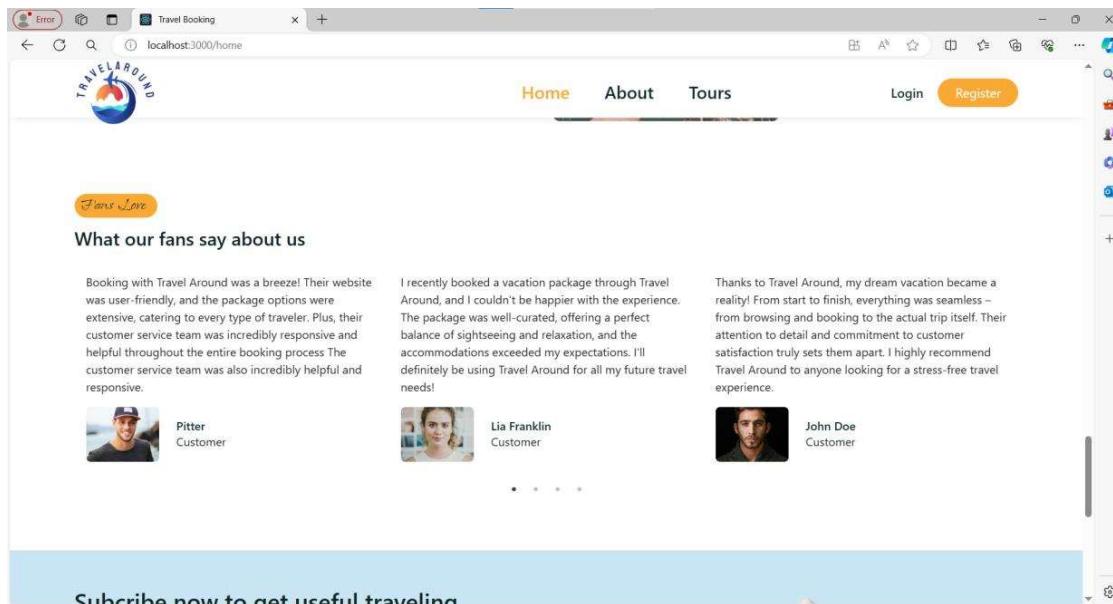


Fig 6.7 Home Page – Fans Love

**Description:** This is Screenshot of Home page from frontend which is shown at user side when user clicks on Home page. This page contains details regarding website we can provide our fans says about us.

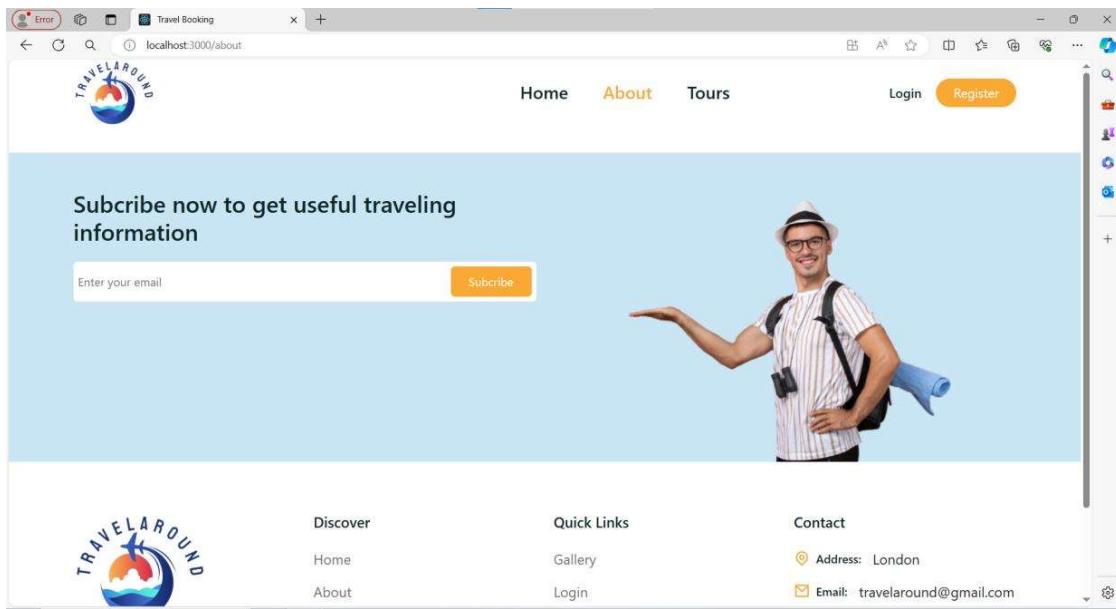


Fig 6.8 About Page

**Description:** This is Screenshot of About page from frontend which is shown at user side when user clicks on About page. This page contains details regarding website we can provide our address, email, phone and also provide quick links of gallery, login, signup, home, tours page.

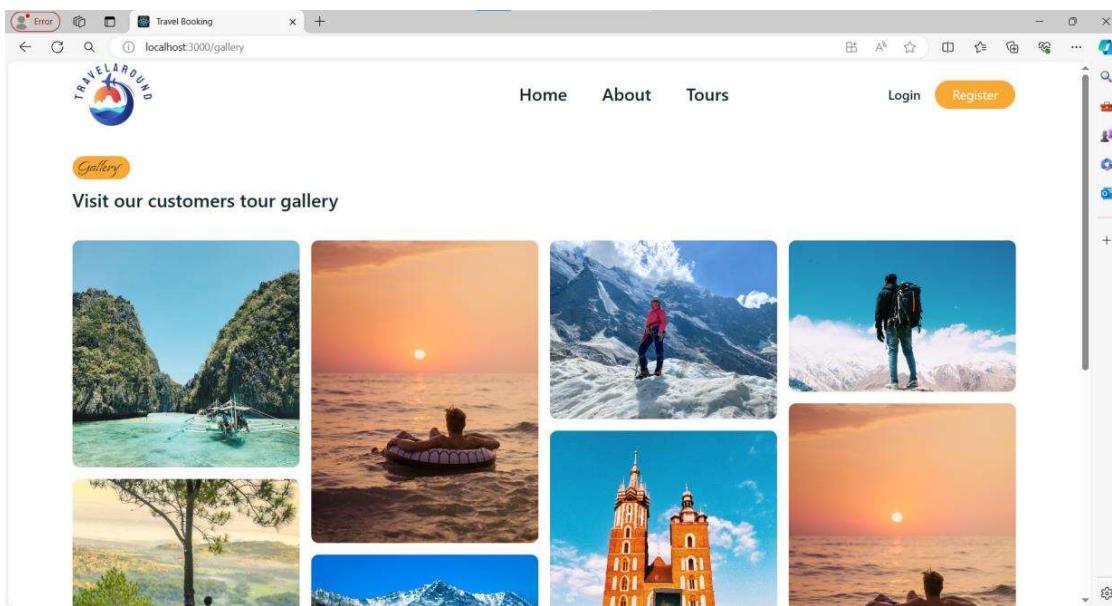


Fig 6.9 Gallery Page

**Description:** This is Screenshot of Gallery page from frontend which is shown at user side when user clicks on Gallery page. This page contains customers tour gallery.

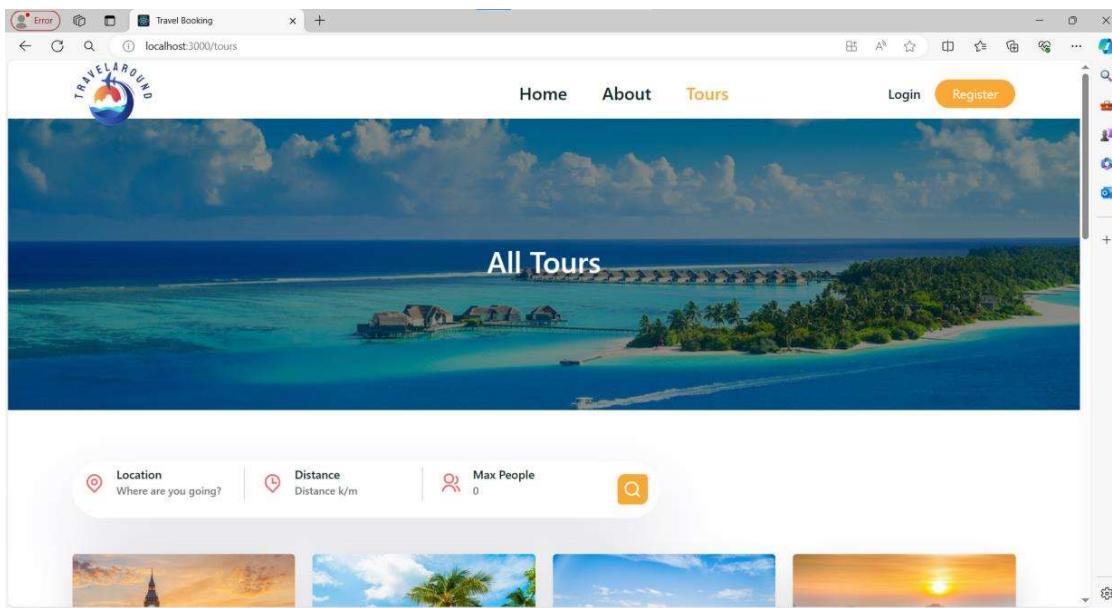


Fig 6.10 Tours Page – tours list with search

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user clicks on Tours page. This page contains all tours list and search tours base on location, distance and max people.

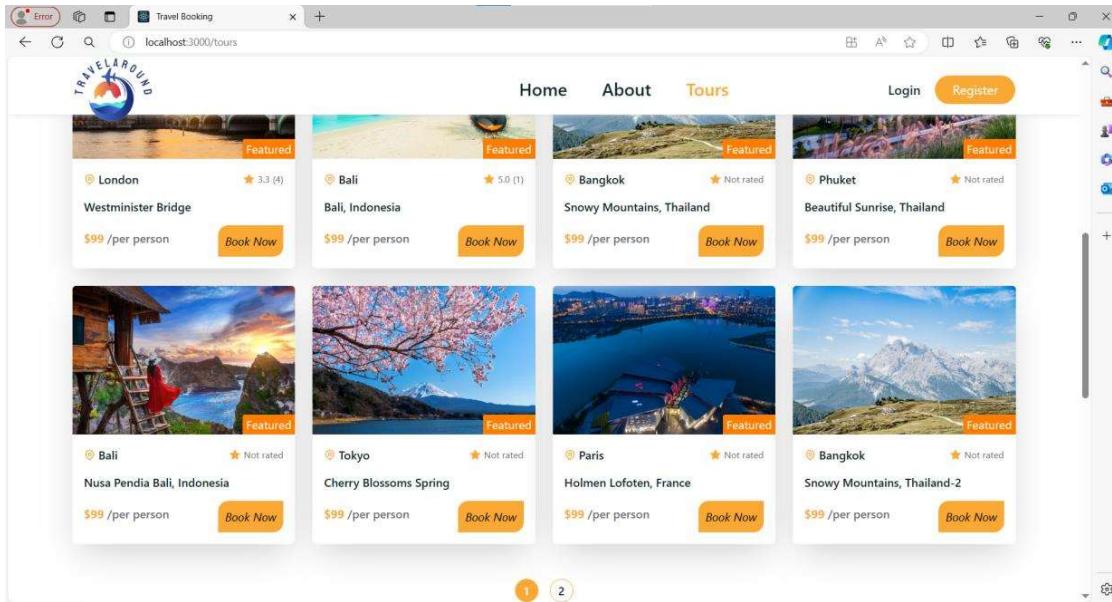


Fig 6.11 Tours Page – tour list

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user clicks on Tours page. This page contains all tours list.

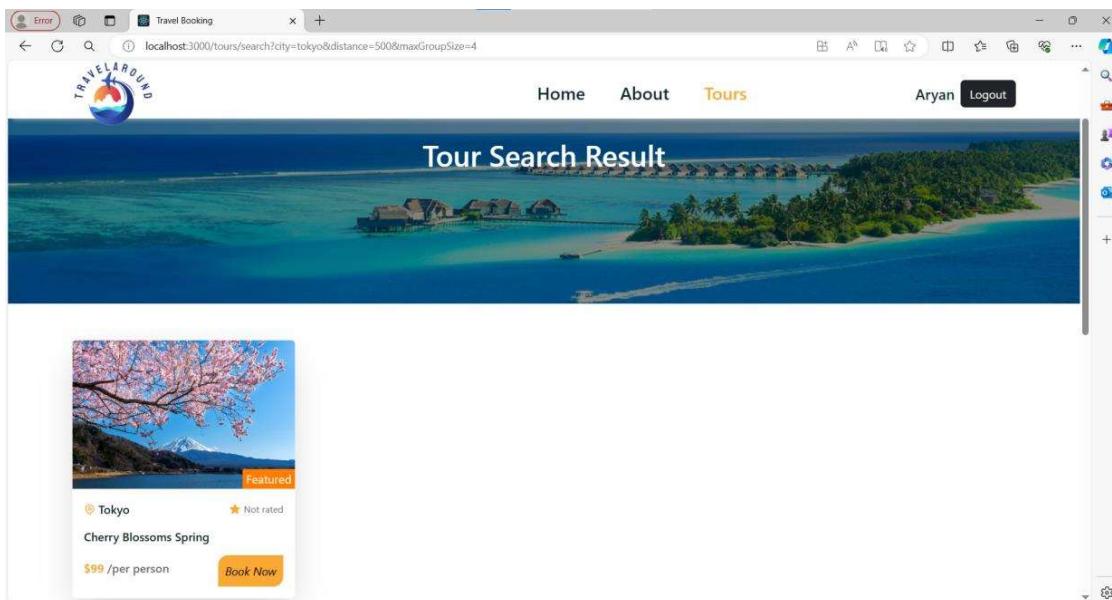


Fig 6.12 Tours Page – tour search result

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user search for tours and provide location, distance and max people. This page contains search result. Here we can provide location Tokyo distance 200km and max people 5 is use for example.

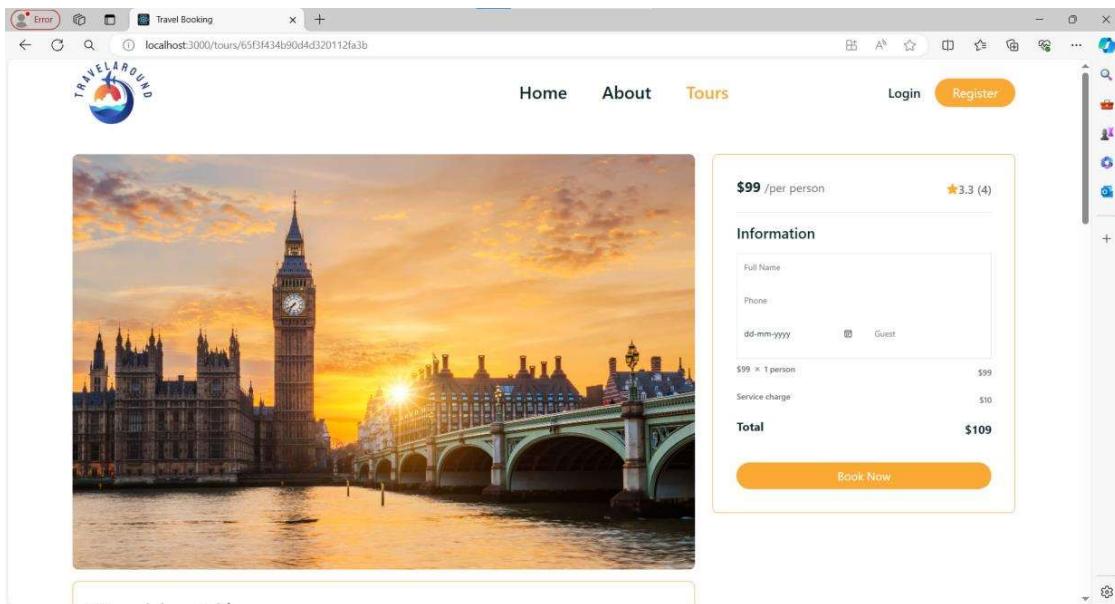


Fig 6.13 Tours Page – tour details

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on one of our featured tours we can provide details information about that tours.

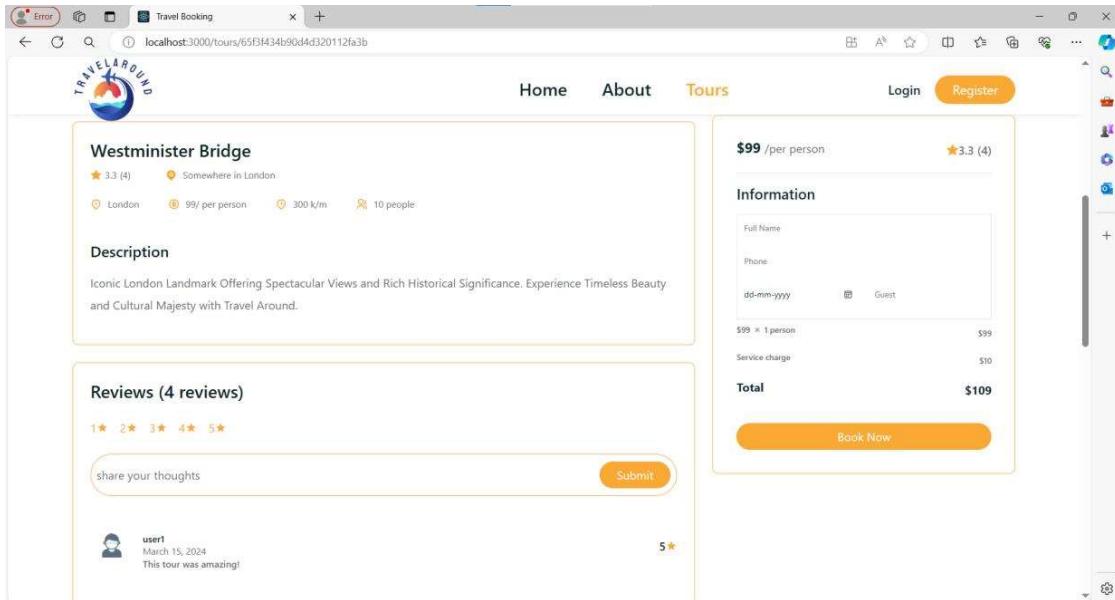


Fig 6.14 Tours Page – tour description

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on one of our featured tours we can provide details information about tour like ratings, reviews, description.

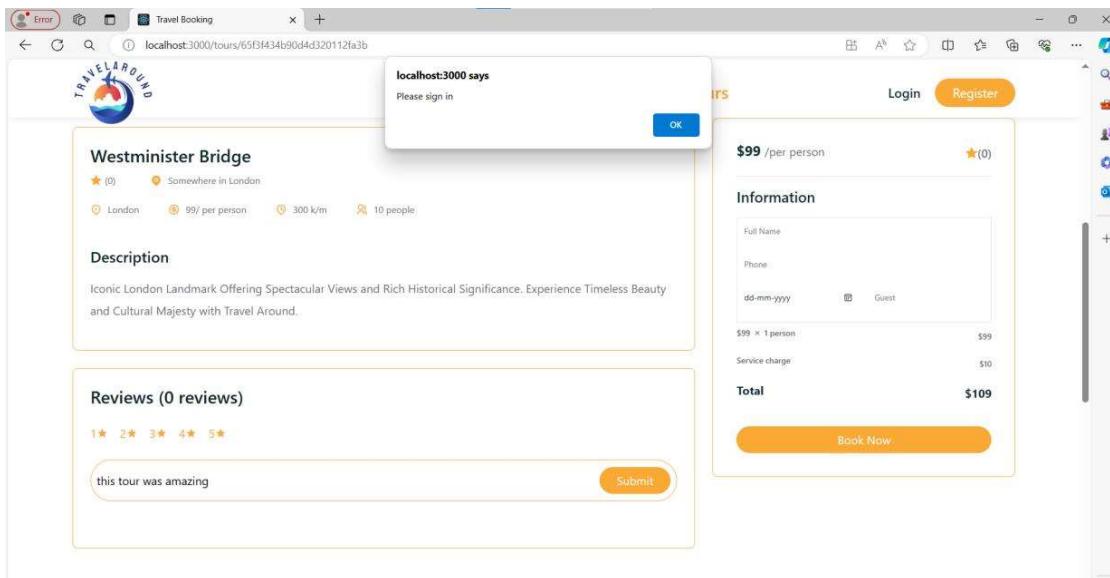


Fig 6.15 Tours Page – tour review without login

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on one of our featured tours we can't provide review functionality with out login.

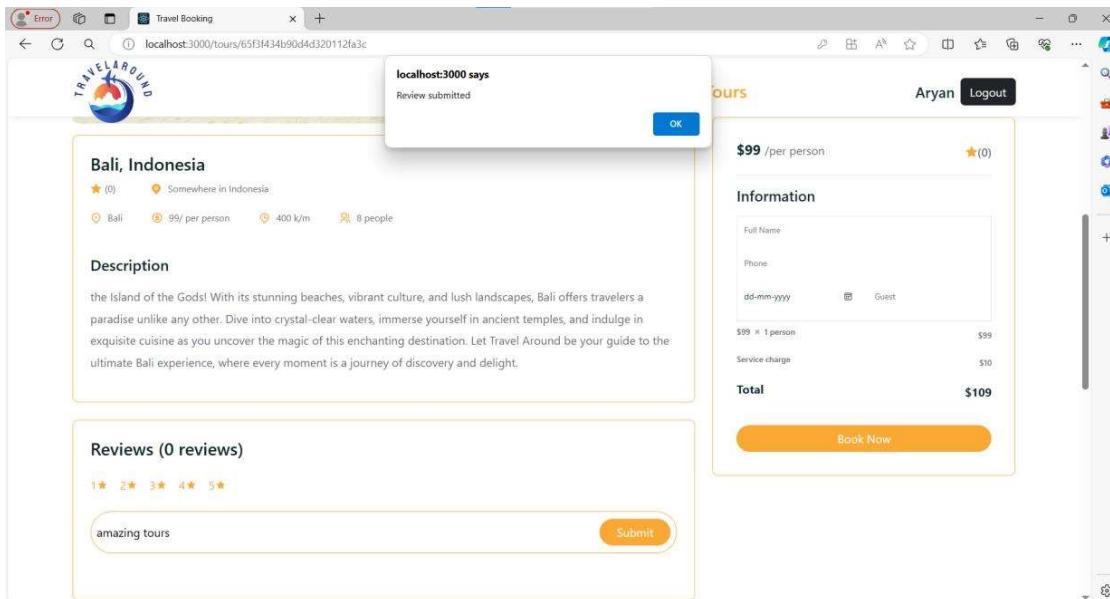


Fig 6.16 Tours Page – tour review with login

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on one of our featured tours we can provide review functionality for login user.

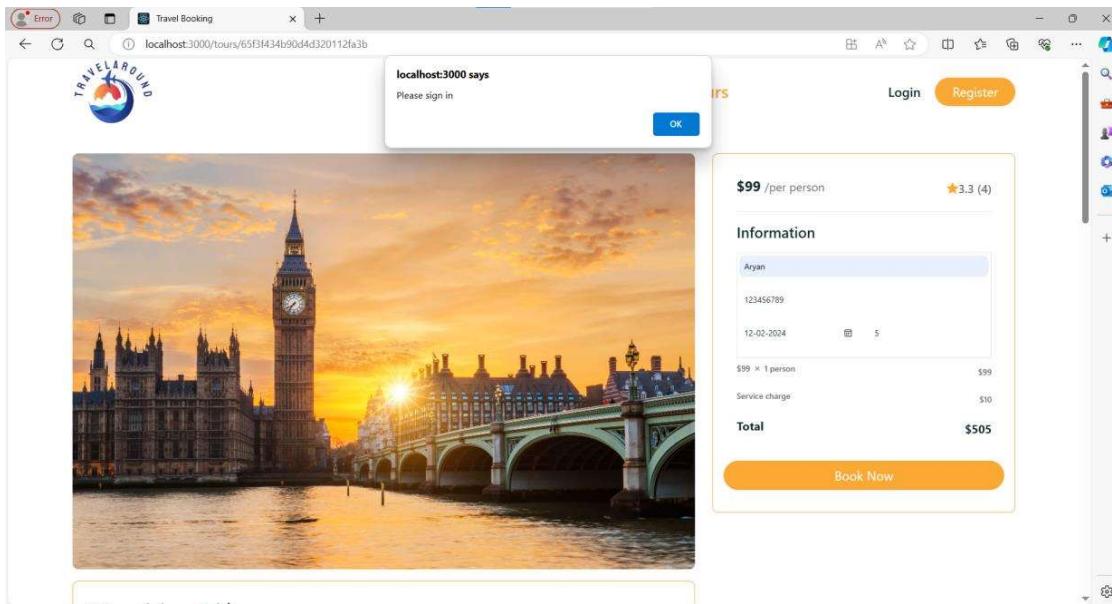


Fig 6.17 Tours booking – without login

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on one of our featured tours we can't provide booking functionality without login user.

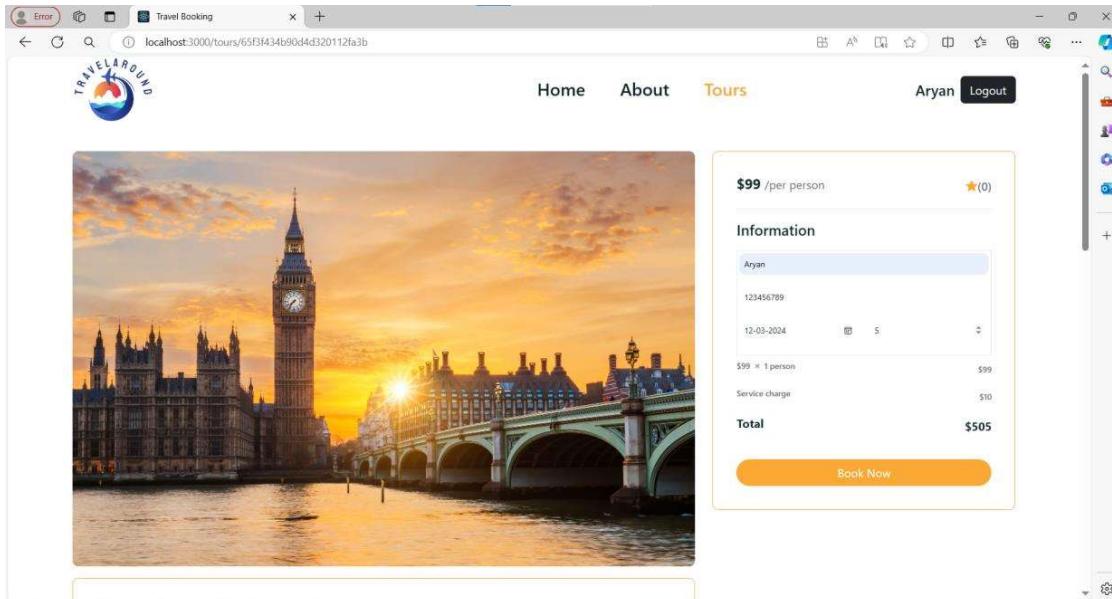


Fig 6.18 Tours booking – with login user

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on one of our featured tours we can provide booking functionality with login user.

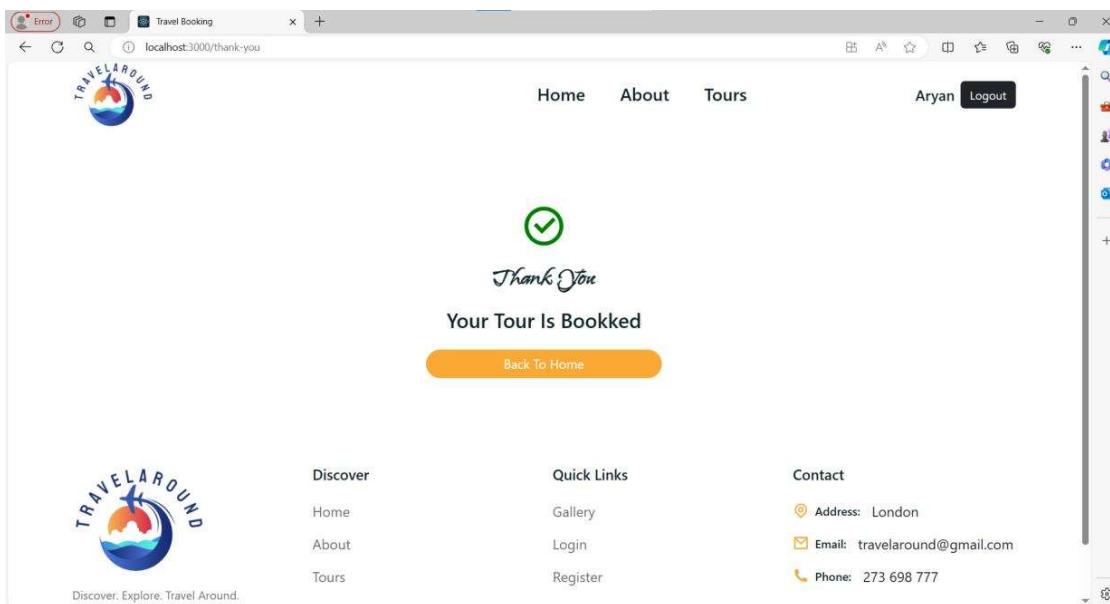


Fig 6.19 Tours Booking – Thank you page

**Description:** This is Screenshot of Tours page from frontend which is shown at user side when user click on book now and booking successful provide thank you page and also provide back to home functionality.

# Chapter

7

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## 7. TESTING

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**Testing Plan**

**Testing Strategy**

**Testing Methods**

**Testing Cases**

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# TESTING

## Testing Plan

A test plan is the cornerstone of a successful testing implementation. The testing plan represents the overall approach to the test. In many ways, the test plan serves as a summary of the test activities that will be performed. It shows how the tests will be organized, and outlines all of the tester's needs that must be met in order to properly carry out the test.

The goal of test planning is to establish the list of tasks that, if performed, will identify all of the requirements that have not been met in the software. There are many standards that can be used for developing test plans. Early in the deployment planning phase, the testing effort, and identifies the methodology that your team will use to conduct tests. It also identifies the hardware, software, and tools required for testing and the features and functions that will be tested. A well-rounded test plan notes any risk factors that jeopardize testing and includes a testing schedule. So, I can say that Test Planning details the activities, dependencies and effort required to conducting the system test.

## Testing Strategy

The test strategy is a formal description of how a software product will be tested. A test strategy is developed for all levels of testing, as required. The test team analyzes the requirements, writes the test strategy and reviews the plan with the project team. The test plan may include test cases, conditions, and the test environment, a list of related tasks, pass/fail criteria and risk assessment.

The purpose of the testing strategy is to define the overall context for the entire testing process. The process is different depending on the specific characteristics of your solution. In many respects, this is the most important part of the testing process, since all future testing decisions will be made within the context of the strategy. As a programmer, we have to just do a unit testing which is a part of White Box testing. Other type of the testing in each phase of the software is done by testing department. Unit testing begins at the vortex of the spiral and

concentrates on each unit (i.e. component) of the software as implemented in source code.

## Testing Methods

### Unit Testing

Unit testing involves the testing of each unit or an individual component of the software application. It is the first level of functional testing. The aim behind unit testing is to validate unit components with its performance.

A unit is a single testable part of a software system and tested during the development phase of the application software.

The purpose of unit testing is to test the correctness of isolated code. A unit component is an individual function or code of the application. White box testing approach used for unit testing and usually done by the developers.

Whenever the application is ready and given to the Test engineer, he/she will start checking every component of the module or module of the application independently or one by one, and this process is known as Unit testing or components testing.

## Testing Cases

**Testing:** - Software testing is a critical element of software quality assurance and represents the ultimate review or specification, design and code generation.

Table 7.1 Test Cases 01 - Registration

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Click Register Button	Blank Fields	Give the message of mandatory field	Give Validation message to enter mandatory field	PASS

2	All Data would be entered	Enter All Data UserName : ABC, email : <a href="mailto:ABC@gmail.com">ABC@gmail.com</a> , password : 123456	Give the message of Register Successfully	Register Successfully	PASS
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Table 7.2 Test Cases 02 - Login

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Click Login Button	Blank Fields	Give the message of mandatory field	Give Validation message to enter mandatory field	PASS
2	All Data would be entered	Enter All Data email: <a href="mailto:ABC@gmail.com">ABC@gmail.com</a> , password : 123456	Give the message of Login Successfully	Login Successfully	PASS

Table 7.3 Test Case 03 – Review and Rating

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Add Review	Blank Fields	Give the message of mandatory field	Give Validation message to enter mandatory field	PASS

2	All Data would be entered	Enter All Data Ratings:4 Review: one of the best tour	Give the message of Add Successfully	Add Successfully	PASS
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Table 7.4 Test Cases 04 – Booking Tour

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Booking	Blank Fields	Give the message of mandatory field	Give Validation message to enter mandatory field	PASS
2	All Data would be entered	Enter All Data Full Name: xyz Phone: 123456789 Date: 01/01/2025 Guest: 5	Give the message of Payment Successfully	Booking Successfully	PASS

# Chapter

# 8

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## **8. CONCLUSION AND DISCUSSION**

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**Overall Analysis of Internship**

**Problem Encountered and possible solutions**

**Summary of Internship**

**Limitation and future Work**

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## CONCLUSION AND DISCUSSION

### Overall Analysis of Internship

1. Since the very first day of internship, I learned a lot of new things from the respected industry guides and fellow interns.
2. First of all, started from basics of JavaScript then started learning few advanced concepts in JavaScript.
3. Then learned Scrum methodology.
4. Overview of Git, GitHub and basic linux commands given.
5. Started learning Asp .Net Core
6. REST API is covered.
7. Nest.js is covered.
8. HTML and CSS overview is also given.
9. React.js is covered.
10. Next.js is covered.
11. Project work is assigned.
12. Project work is completed and report is prepared.

### Problem Encountered and Possible Solutions

#### Problem Encountered:

1. Limited Customization.
2. Not user-friendly websites.
3. Lack of Transparency.
4. Customer Service Challenges
5. Dependency on Third-Party Suppliers
6. Information Overload
7. Risk of Misrepresentation
8. Security Concerns
9. Limited Local Expertise
10. Inflexible Booking Policies

## 11. Quality Control Issues

### Possible Solutions:

1. Tour package booking websites can focus on improving transparency, enhancing customization options, investing in robust customer service infrastructure, strengthening cybersecurity measures, and fostering partnerships with reputable suppliers.
2. User-friendly system. The main objective of the new system is to have user-friendly system so that it become easy to understand by the nonprofessional.
3. Less Time Consumption.
4. Easy To Use.
5. Easy GUI.
6. Easy Maintenance
7. Responsive Website for any device like laptop, mobile etc..
8. Simple language must be used so that customer can easily understand.

## Summary of Internship

Table 8.1 Summary of Internship/Project

Project Title	Travel Around	
<b>Aim</b>	<p>Our main Aim is to Tourism is currently recognized as a global industry that is growing at a high rate, like any other industry. This web-based application helps in maintaining the database. It has a friendly environment that connects customers willingly. Thus, it simplifies the process by saving our time and efforts. It will help tour managers to control and handle the tour-related activities effectively and efficiently. A further modification could be possible where the system can be integrated with bigger organizations such as tourist agencies in order to help them. The purpose of developing this application is to provide travel destinations for the traveler.</p>	
<b>Developed At</b>	<b>La Net Team Software Solutions</b>	
<b>Project Category</b>	<b>Web site</b>	
<b>Tools</b>	<b>IDE</b>	<b>Visual Studio</b>
	<b>Languages/Frameworks</b>	<b>React.js, Asp .Net Core</b>
	<b>Database</b>	<b>My Sql</b>
<b>Duration</b>	<b>3 Months (January 2024 to April 2024)</b>	

## Limitation and future Enhancement

1. Payment system is not added still.
2. We will add payment system in future.
3. We will add more services as per client requirement.
4. We will manage admin side functionality.

## REFERENCE

1. Mozilla Developer Network (MDN) JavaScript Guide:  
<https://developer.mozilla.org/en-US/>
2. Eloquent JavaScript: <https://eloquentjavascript.net/>
3. JavaScript.info: <https://javascript.info/>
4. Official React Documentation: <https://legacy.reactjs.org/docs/getting-started.html>
5. React Tutorial by React Team: <https://legacy.reactjs.org/community/courses.html>
6. React for Beginners by Wes Bos: <https://reactforbeginners.com/>
7. Official Node.js Documentation: <https://nodejs.org/docs/latest/api/>
8. Official Express.js Documentation: <https://expressjs.com/>
9. Official MongoDB Documentation: <https://www.mongodb.com/docs/>
10. MongoDB University: <https://learn.mongodb.com/>
11. Visual Studio Code Documentation: <https://code.visualstudio.com/docs>
12. Postman Learning Center:  
<https://learning.postman.com/docs/introduction/overview/>
13. Stack Overflow: [Stack Overflow - Where Developers Learn, Share, & Build Careers.](#)
14. Udemy Course Node.js: [Jonas Schmedtmann | Web Developer, Designer, and Teacher | Udemy.](#)
15. Udemy Course React.js: <https://www.udemy.com/course/react-the-complete-guide-incl-redux/?couponCode=NVDPRODIN35>.
16. Visual Studio Code Documentation: [Documentation for Visual Studio Code.](#)