TRAVELINGLY

Annexure-1

Project_No – 28

Submitted by:

AMIT SAINI (201B040)
ANSHIKA (201B051)
ISHANT SHARMA (201B125)

Submitted in partial ful-fillment of the Degree of Bachelor of Technology

Department of Computer Science & Engineering

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JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY,
A-B ROAD, RAGHOGARH, DT. GUNA - 473226, M.P., INDIA

Annexure-2

DECLARATION

We hereby declare that the work reported in 5th semester Minor project entitled "TRAVELINGLY", in partial fulfillment for the award of the degree of B.Tech (CSE) submitted at Jaypee University of Engineering and Technology, Guna, as per the best of our knowledge and belief there is no infringement of intellectual property rights and copyright. In case of any violation, we will solely be responsible.

Amit Saini (201B040)

Anshika (201B051)

Ishant Sharma (201B125)

Jaypee University of Engineering and Technology, Raghogarh, Guna – 473226
Date: 06/12/2022

Annexure-3

CERTIFICATE

This is to certify that the project titled " **TRAVELINGLY** " is the bona fide work carried out by **Amit Saini, Anshika** and **Ishant Sharma** , a student of B.Tech (CSE) of Jaypee University of Engineering and Technology, Guna (M.P) during the academic year 2022-2023, in partial ful-fillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science and Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar tile.

Signature of the Guide

Jaypee University of Engineering and Technology, Raghogarh, Guna – 473226
Date: 06/12/2022

Annexure-4

ABSTRACT

It gives me great pleasure to present the project on “Tours and Travels Management” prepared with my fullest sincere efforts.The project has been illustrated with precise data with State Chart Diagram, Use Case Diagram, Class Diagram that helps in understanding of the software. This project includes the software development tools like, VisualStudioCode CodeEditor, ChromeDeveloperTools BrowserTool, Bootstrap PackageManagers Github to present the software very precisely.

Most of the people in this world like to travel from one place to another no matter whether it is a small or large distance. The need for travelingly that can manage tourism information with ease is sought after by every tour management. travelingly is a dynamic website for tourism business. This travel and tourism application is designed for users by which they can manage different tour packages based on the destinations. The also implemented search module allows the administrator to find and update or upgrade the tour packages with ease. This module can also even be extended to a customer application page by which customers can find the right tour package for them at every budget, depending on the tour locations. The main purpose is to help users to manage tour package. The system can also be used for both professional and business trips. The proposed system maintains a centralized repository to make necessary travel arrangements and to retrieve information easily

Annexure-5

ACKNOWLEDGEMENT

I started this project as a part of my course curriculum. It gives me great pleasure to present the report of this project work conducted towards the ful-fillment of the project titled " **TRAVELINGLY** " .I take this opportunity to Thank those who have made the efforts in success of the project. I extend my special gratitude towards **Dr.P.S.Banerjee** Assistant professor (SG) who has been a constant source of motivation, encouragement, and guidance that has gone a long way in helping the completion of this project, stimulating suggestions and encouragement helped us in all the time of development process and in writing this report.

We also sincerely thanks for the time spent proofreading and correcting my many mistakes. We would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited period. Last but not the least I am grateful to all the team members of TRAVELINGLY.

Thanking you

Amit Saini (201B040)

Anshika (201B051)

Ishant Sharma (201B125)

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INTRODUCTION

1.1 Problem Definition

Traditional student attendance marking technique is often facing a lot of trouble. The face recognition student attendance system emphasizes its simplicity by eliminating classical student attendance marking technique such as calling student names or checking respective identification cards. There are not only disturbing the teaching process but also causes distraction for students during exam sessions. Apart from calling names, attendance sheet is passed around the classroom during the lecture sessions. The lecture class especially the class with a large number of students might find it difficult to have the attendance sheet being passed around the class. Thus, face recognition student attendance system is proposed in order to replace the manual signing of the presence of students which are burdensome and causes students get distracted in order to sign for their attendance. Furthermore, the face recognition based automated student attendance system able to overcome the problem of fraudulent approach and lecturers does not have to count the number of students several times to ensure the presence of the students.

1.2 Project Overview

The project “Travelingly” mainly focuses on –

1. Reducing time wastage during Searching right places during Tours.
2. Utilizing latest trends in travel & tour and also manage it.
3. Automating the whole process so that we have digital environment.
4. Time and Cost Friendly.
5. Encouraging the use of technology in daily lives.

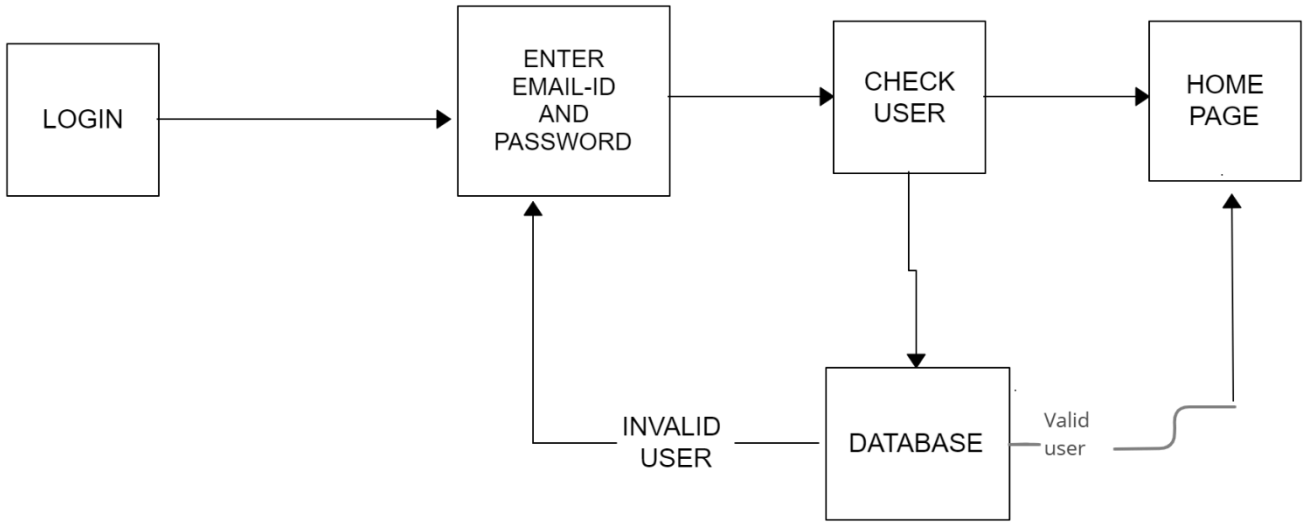

Fig 1.1 Block Diagram

1.3 Hardware Specification

- CPU (3.0 GHz or faster) or faster 64-bit Dual Core processor like – Intel core-2 duo.
- Memory: 4GB (DDR4 | DDR2) RAM or more.

1.4 Software Specification

- Visual Studio Code
- Operating system: Linux- Ubuntu 16.04 to 17.10
- Web Server
- Database

CHAPTER-2

LITERARTURE SURVEY

2.1 EXISTING SYSTEM

There are some systems like – Good Travel, Travel Divine, which are doing same work in travel and tour management. However, there is no such existing system to help to reduce time and cost both parallelly to dealing. Added advertisement in Local newspaper or Local Market. Use **Travelling** Facility for the Limited Area or Person.

2.2 PROPOSED SYSTEM

- To Create Web Based Application For our Organization.
- To Provide Search Facility for Customer.
- To Generate Different Types of Reports.
- To Provide the online Package Ticket Booking and online Payment Facility for Customer.
- To Provide package Details.
- Customer Can Cancel the Booking.
- Services provided by Tour and travels System.

2.3 FEASIBILITY STUDY

- Financial Stability: The price of the equipment will not be too high and minimal cost will be charged from the people, which include the cost of the hardware and the software.

- Technical feasibility: Each of the hardware and the software used are freely available and the technologies used are open source which means anyone can contribute in these technologies. The Operating System has the technical capacity to hold the data required to use the proposed system. The present Equipment Technology assures technical guarantee of accuracy, reliability and ease of access.
- Economic Feasibility: Economic feasibility defines whether the expected benefit equals or exceeds the expected costs. It is also commonly referred to as cost/benefit analysis. The procedure is to determine the benefits and the savings expected from the system and compare them with the costs. A proposed system is expected to outweigh the costs.

- Operational Feasibility: Operational feasibility is the measure of how well a proposed system solves the problems with the users. Operational feasibility is dependent on human resources available for the project and involves projecting whether the system will be used if it is developed and implemented. The project is operationally feasible for the users as nowadays almost all the teachers/staffs are familiar with digital technology.

CHAPTER-3

SYSTEM ANALYSIS & DESIGN

3.1 Requirement Specification

3.1.1 HTML5

HTML5 is the world-wide web's core Hyper Text Markup Language. HTML5 is the newest version of HTML. The term refers to two things, one is the updated HTML language and another one is larger set of technologies that work with this new version of HTML –like new video format --and enable to you build more complex and powerful websites and web applications that work offline. HTML5 Supports high-definition video and animations, and know where you are geographically located.

3.1.2 CSS

CSS stands for Cascading Style Sheets.CSS is the language we use to style a web page. CSS describes how HTML element are to be displayed on screen, paper, or in the other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once. CSS is among the core languages of open web and is standardized across web browsers according to W3C specifications. Previously, the development of various parts of CSS specification was done synchronously, which allowed the versioning of the latest recommendations. You might have heard about CSS1,

3.1.3 JAVASCRIPT

JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. — you can bet that JavaScript is probably involved. It is the third layer of the layer cake of standard web technologies, two of which (HTML and CSS) we have covered in much more detail in other parts of the Learning Area.

A very common use of JavaScript is to dynamically modify HTML and CSS to update a user interface, via the Document Object Model API (as mentioned above). Note that the code in your web documents is generally loaded and executed in the order it appears on the page. Errors may occur if JavaScript is loaded and run before the HTML and CSS that it is intended to modify. You will learn ways around this later in the article, in the Script loading strategies section.

Each browser tab has its own separate bucket for running code in (these buckets are called "execution environments" in technical terms) — this means that in most cases the code in each tab is run completely separately, and the code in one tab cannot directly affect the code in another tab — or on another website. This is a good security measure — if this were not the case, then pirates could start writing code to steal information from other websites, and other such bad things.

3.1.4 BOOTSTRAP

Bootstrap is the most favored and dynamically evolving front-end framework.

It became the undeniable leader in web design. It is used and appreciated by millions of programmers across the world. It is hard to find a more effective tool than Bootstrap.

Considering its progressive development and the snowballing upsurge of projects based on this framework, every web designer or developer should at least be familiar with the basics of Bootstrap.

Using the Bootstrap framework saves time in many ways by taking advantage of reusable code for Navbars, Dropdowns, Labels, Alerts, List groups and JavaScript plugins. Using the framework offers these design benefits:

- Easy to prevent repetitions among multiple projects
- Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device
- Maintaining consistency among projects when using multiple developer teams
- Quick design of prototypes
- Cross-browser compatibility

3.1.5 MYSQL

MySQL is one of the most recognizable technologies in the modern big data ecosystem.

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or a place to hold the vast amounts of information in a corporate network. In particular, a relational database is a digital store collecting data and organizing it according to the relational model. In this model, tables consist of rows and columns, and relationships between data elements all follow a strict logical structure. An RDBMS is simply the set of software tools used to Actually implement, manage, and query such a database.

MySQL is widely compatible__

Though often associated with internet applications or web services, MySQL was designed to be extensively compatible with other technologies and architectures. The RDBMS runs on all major computing platforms, including Unix-based operating systems, such as the myriad Linux distributions or Mac OS, and Windows.

3.1.6 PHP

The term PHP is an acronym for PHP: Hypertext Preprocessor. PHP is a server-side scripting language designed specifically for web development. It is open-source which means it is free to download and use. It is very simple to learn and use. The files have the extension ".php".

Rasmus Lerdorf inspired the first version of PHP and participated in the later versions. It is an interpreted language and it does not require a compiler.

- PHP code is executed in the server.
- It can be integrated with many databases such as Oracle, Microsoft SQL Server, MySQL, PostgreSQL, Sybase, and Informix.
- It is powerful to hold a content management system like WordPress and can be used to control user access.
- It supports main protocols like HTTP Basic, HTTP Digest, IMAP, FTP, and others.
- Websites like www.facebook.com and www.yahoo.com are also built on PHP.
- One of the main reasons behind this is that PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file.

3.1.7 VISUAL STUDIO

Visual Studio Code is a streamlined **code** editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick **code**-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as **Visual Studio** IDE.

3.2 Flowchart

3.2.1 Travelingly Login Model

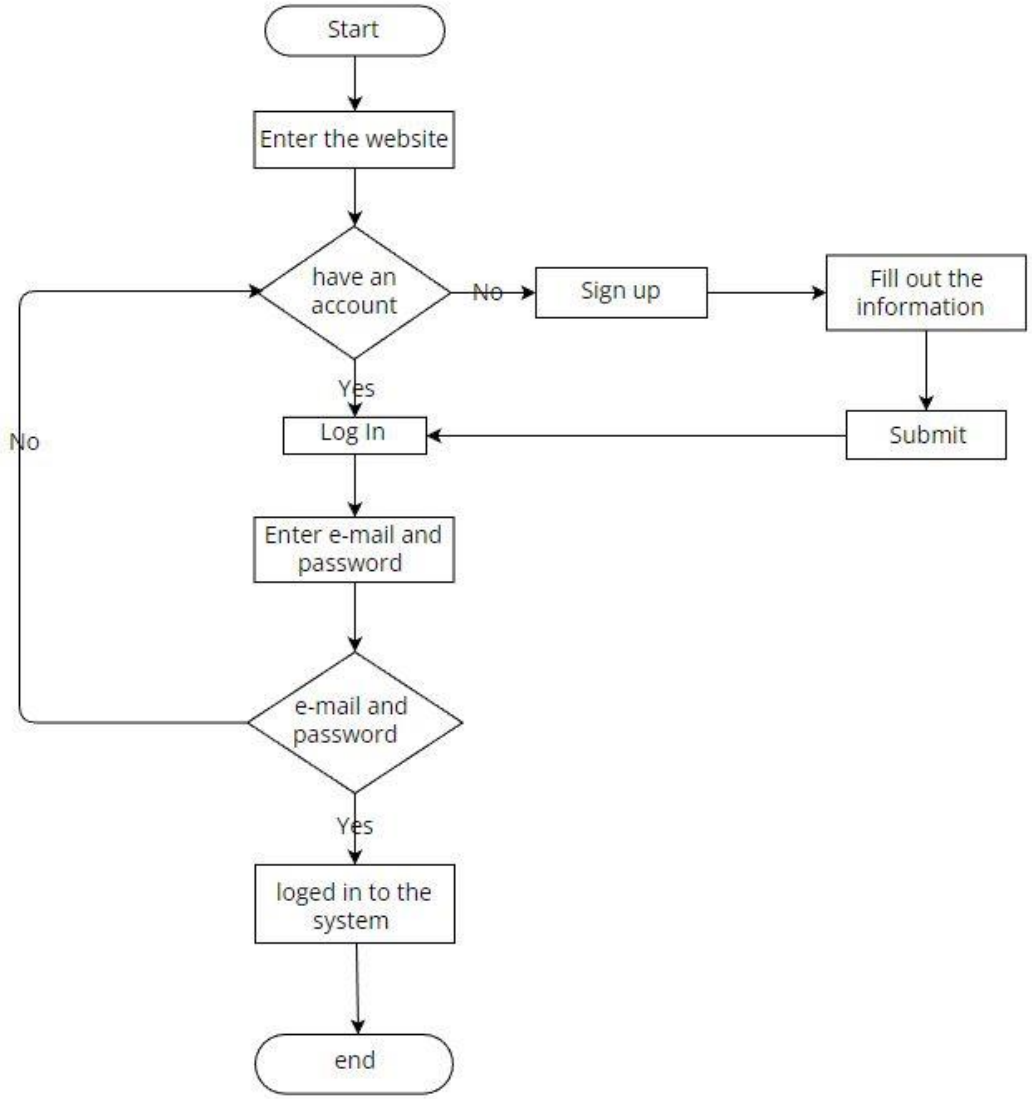

Fig 3.2.1 Flowchart

Explanation:

The tourism and travel industry has become more accessible than ever. The internet has made it easier to research, plan and book trips, all with just a few clicks. You can find everything from flights, hotels, and restaurants to car rentals and local experiences online.

A tourism or travel website serves as an information hub for prospective travelers planning a getaway. Today, people travel for a range of experiences—babymoons, staycations, voluntourism or bleisure—you name it. So, provide as much relevant information as possible to help users plan their trips.

3.2.2 ER Diagram (Backend)

Explanation:

ER model is used to represent real life scenarios as entities. The properties of these entities are their attributes in the ER diagram and their connections are shown in the form of relationships.

In this project the use of ER diagram is mainly for backend part. Here there are 4 tables Customer, user, login and booking. And these tables helps to manage the relationship and creating a understanding manner to work on a database.

A Entity name manage is creating a relationship between user, booking and customer.

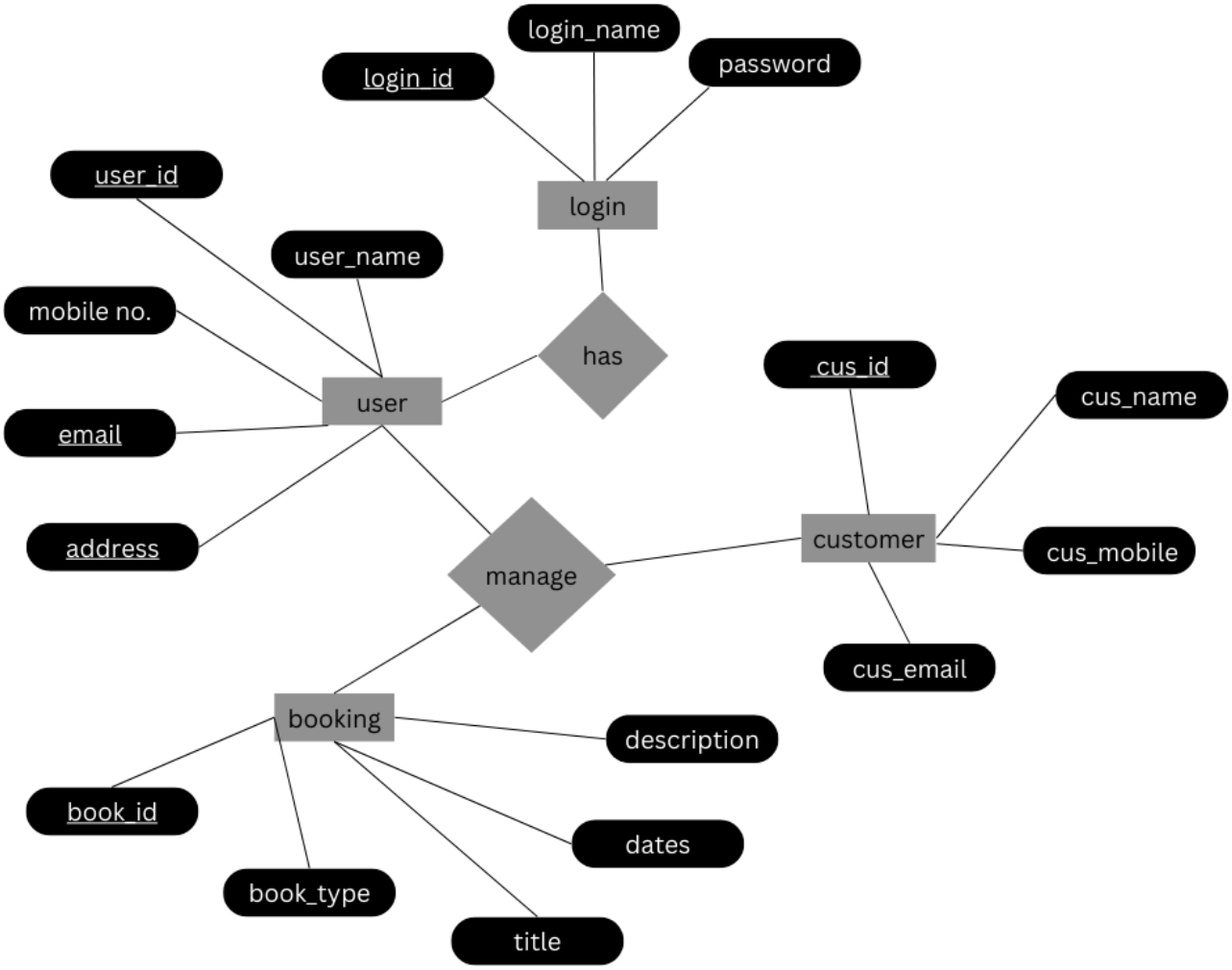

Fig 3.2.2 ER Diagram

3.3 Sequence Diagram

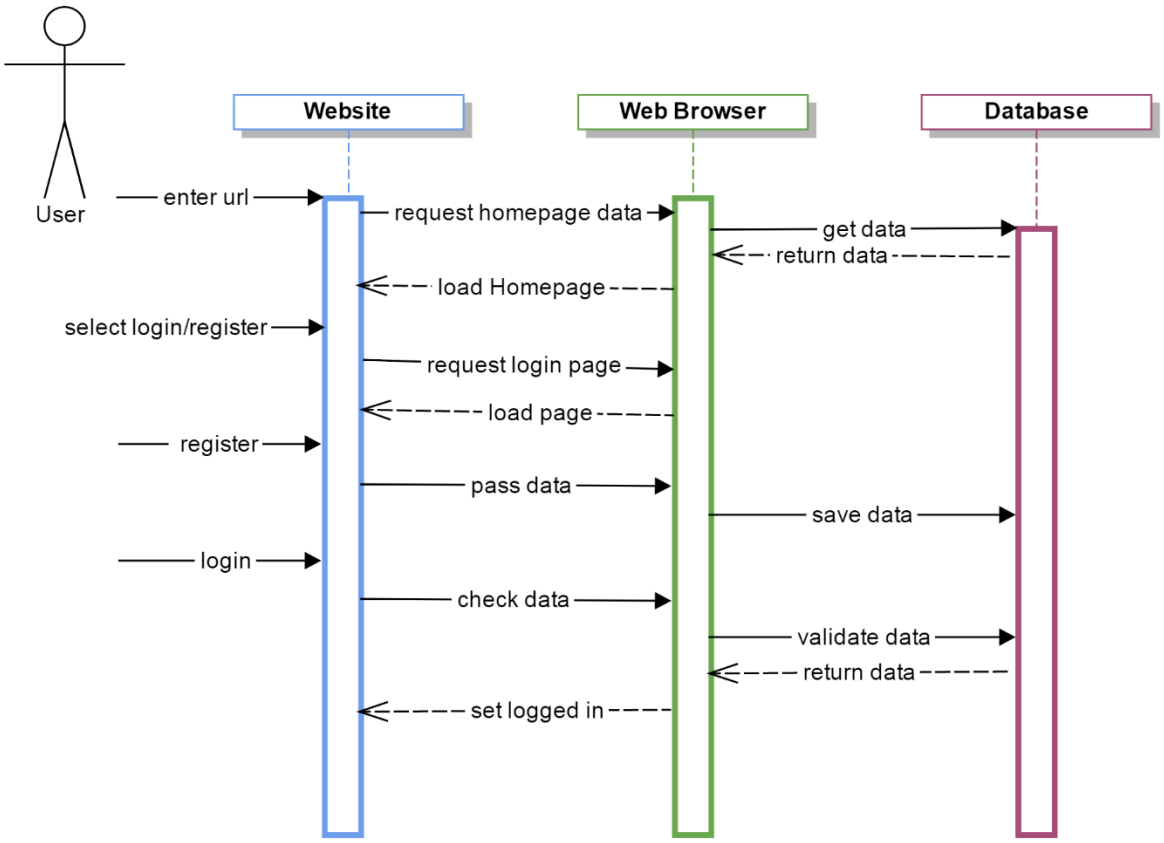

Fig 3.2.3Sequence Diagram

Explanation:

The use case diagram is explained as follows:

A user opens the application and and get an environment of the website. User will get an overview of website and user will go for multiple options by the help of menu bar. The most part login/signup for that, if the user is first time visitor then he have to register in our website and fill the details according to register page and in backend part their data will store in our

data list. and if the user is a regular user he have to simply just do login and fill the password and reach the main page. According to their interests user can easily use the website.

3.4 Use case Diagram:

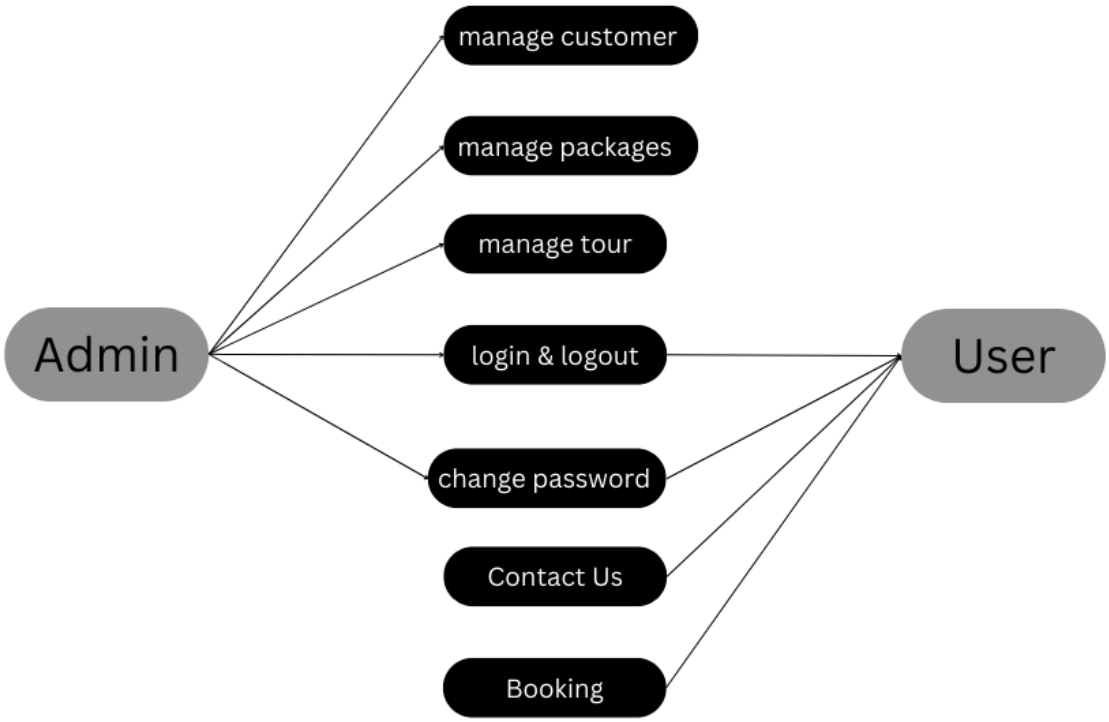

Fig 3.2.4 Use Case Diagram

Explanation:

The user starts the system and then the live feed from the camera is taken as input for the object detection and the face detection program. The face detection model scans the image feed and check for the known faces available in the database, which are then matched with the input data. The result is then output to the screen with the bounding boxes and the name of the person if identified is pronounced or spoken by the program. The obstacle detection program scans the image feed, detects the object if present in the image feed, and tells the output with accuracy in the form of speech.

The system also provides the facility to send an SOS signal to the users contact list in case of any emergencies.

3.4 Testing Process

Problems face during executing/running/testing:

We get problems during styling and designing the pages in the frontend part, to resolve that problems with take the help of stackOverflow and W3school.

We find the major problem during backend – it was a critical part of our project where we faces many issues. If I Eloborate them , then that are running Mysql server in xampp.

When I open XAMPP and click start MySQL button and it gives me an error.

- 12:19:12 PM [mysql] Attempting to start MySQL app...
- 12:19:12 PM [mysql] Status change detected: running
- 12:19:13 PM [mysql] Status change detected: stopped
- 12:19:13 PM [mysql] Error: MySQL shutdown unexpectedly.
- 12:19:13 PM [mysql] This may be due to a blocked port, missing dependencies,
- 12:19:13 PM [mysql] improper privileges, a crash, or a shutdown by another method
- 12:19:13 PM [mysql] Press the Logs button to view error logs and check
- 12:19:13 PM [mysql] the Windows Event Viewer for more clues
- 12:19:13 PM [mysql] If you need more help, copy and post this
- 12:19:13 PM [mysql] entire log window on the forums

To resolve this problem I take the help from YouTube videos and also from stackoverflow.

The solution i got that is:

first try using the MySQL backup folder which is included with XAMPP. So do next steps:

- Rename folder mysql/data to mysql/data_old
- Make a copy of mysql/backup folder and name it as mysql/data
- Copy all your database folders from mysql/data_old into mysql/data (except mysql, performance_schema, and phpmyadmin folders)
- Copy mysql/data_old/ibdata1 file into mysql/data folder
- Start MySQL from XAMPP control panel

Frontend part:

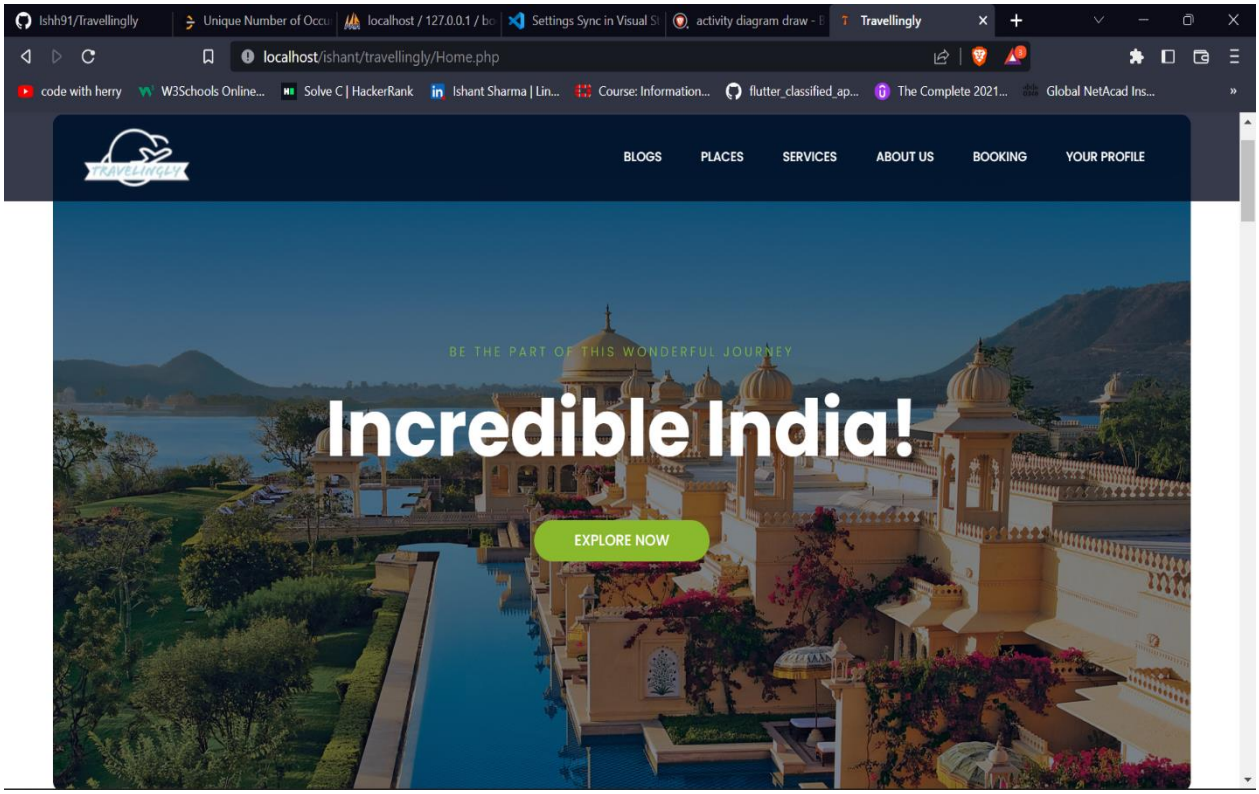

Fig 3.2.5 Home page

Responsiveness:

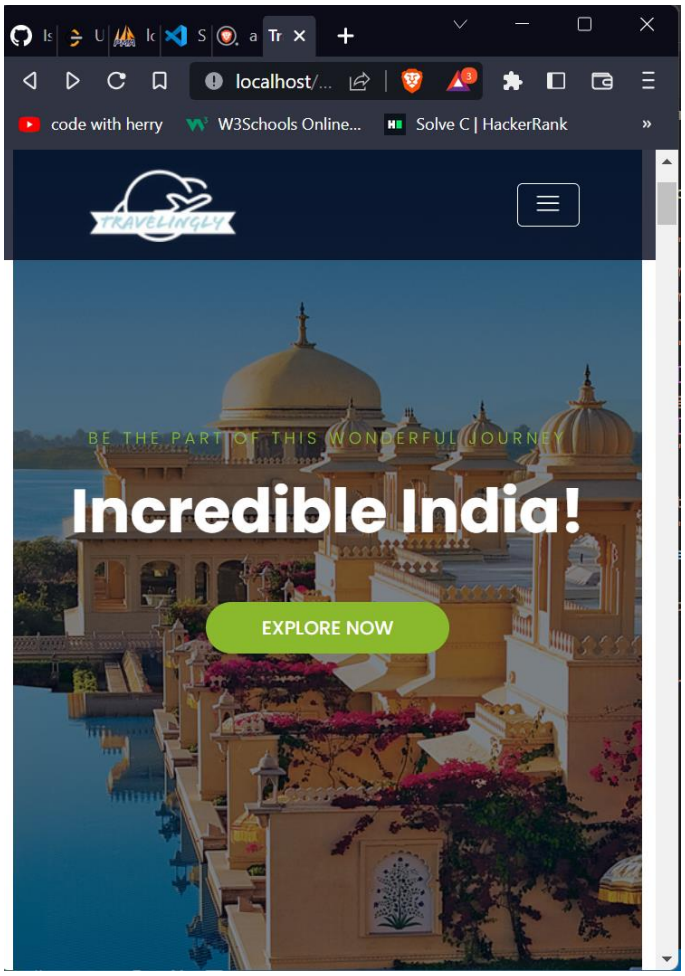

Fig 3.2.6 Mobile View

Backend Part:

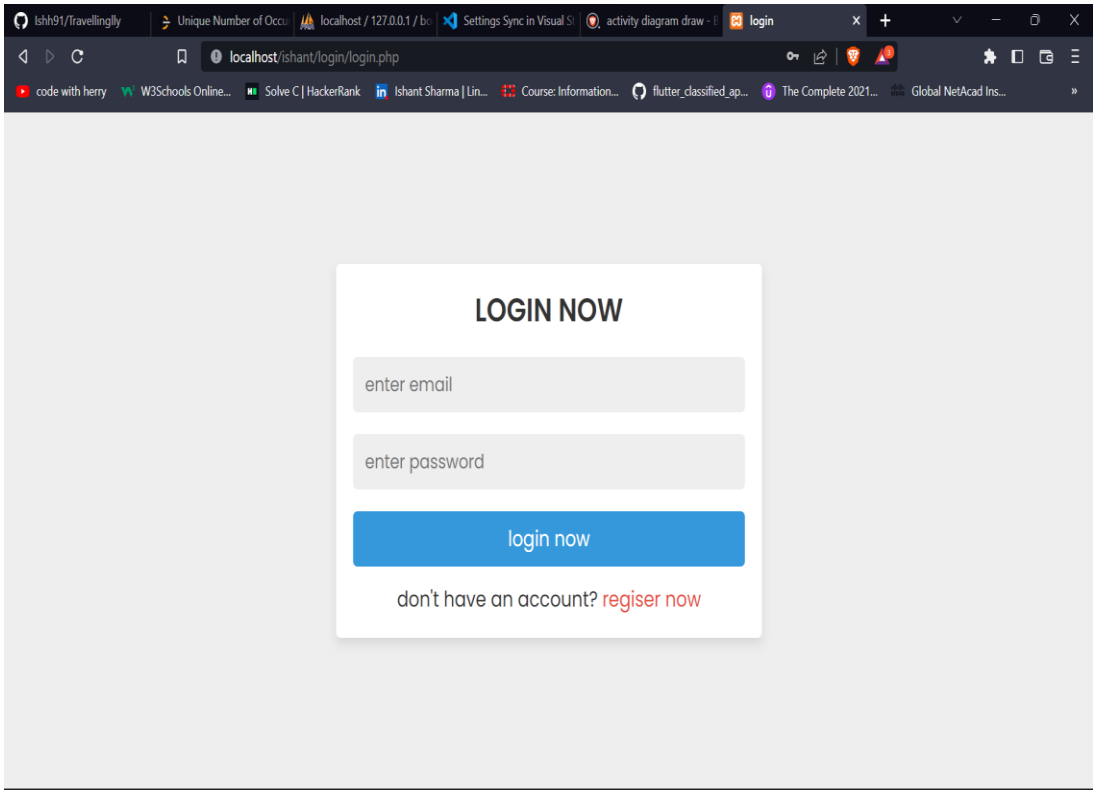

Fig 3.2.7 login page

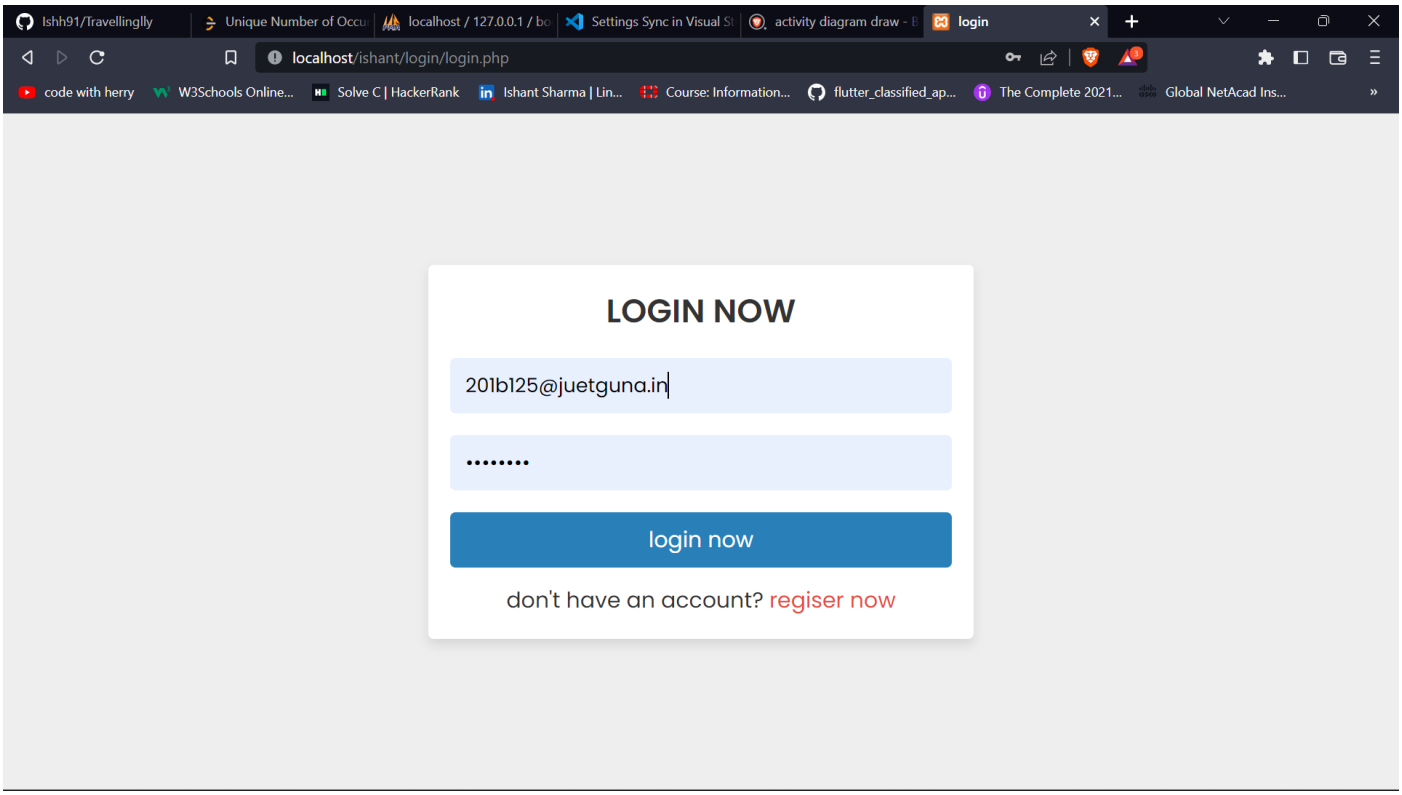

Fig 3.2.8 login page

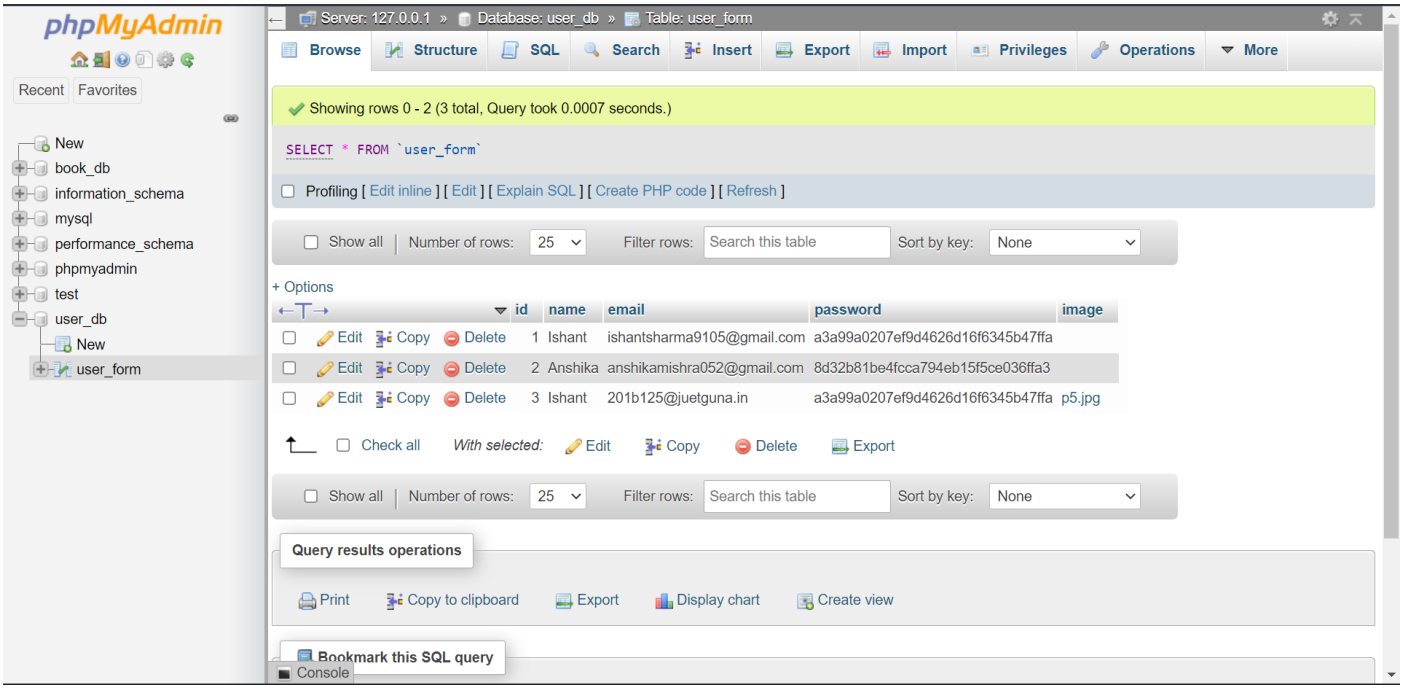

Fig 3.2.9 backend server

CHAPTER-4

RESULTS/OUTPUTS

With the help of this project, students are able to reduce the wastage during travel and tour. A tour guide helps you explore the unexplored streets, corners, food joints, and architectural structures, cultural and historical information. They also help you see the best version of the country you are visiting.

While having a group tour or a group tour service, you might dislike a specific aspect of the service. However, if you choose a personal tour guide, you can have a personalized plan that suits your plans.

Saving Time –
With limited time it becomes difficult to explore the best spots and experience the best things around. When you are travelling a large group, you tend to waste a lot of time as you are supposed to go with the entire group. Not only private guide is a well-informed local who makes informed decisions, but they even ask you questions to design tours with you in mind.

By using this thesis and based on experimental results we are able to create a well working dynamic website.

CHAPTER-5

CONCLUSIONS/RECOMMENDATIONS

- “Face Attendance” system provides convenience in different fields like institutions, hospitals, and business.
- At the end of this project, we expect that our application is capable of giving desired output to the users and is able to help them.
- The main goal of the project is to help the Student, teachers, and make their life easy by reducing time.
- At the end of this project, we expect that this project will identify the person face and record the attendance on excel sheet.

The system can be made more flexible and scalable using these recommendations. Please note that the system implemented here is just a prototype of idea presented via this project. The recommendations are as follows:

- The system can be extended to more number of user with freedom to change list of places according to their need.
- The system can be made more flexible to allow updating of templates in case user incurs significant amount of change in their preferred places.
- The system can also be extended to allow better traffic in which more users can reach efficiently.

CHAPTER-6

CONCLUSION&REFERENCES

CONCLUSION:

Throughout the journey of making this project we learned a very essential skill that is how and when to use which tool in an efficient manner to get the desired results.
I did undergo from various phases of project develop life cycle like Analysis, design, coding, implementation , and testing.
The preceding material is a sincere effort from my side to create the "TRAVELLINGLY" Project. I Analyzed the problems and solved those problems that were faced in my project.
The project shows the flow of each and every transaction which is being carried out by the desired user successfully thus giving him the desired result making this project we learned how the flow of a website works and how to implement an idea into reality. We learned how to successfully integrate back end and frontend how to call API and how to manage databases. At last we successfully implement our solution. it still has some bugs but it is working properly.

REFERENCES:

[1]. The entire ideation process was done after through discussion among our group members.

[2]. We also took some help from google, research papers and journals

[3]. We also studied about travel and tour from https://researchgate.net/publication/276428368_The_evolution_of_tourism_and_tourism_research/ .

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[5]. https://stackoverflow.com/questions/34570758/why-do-we-need-middleware-for-async-flow-inredux?rq=1 Accessed on 15/11/2022.

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CHAPTER-7

APPENDICES

7.1 Details of software/simulator if any

In our project we use visual studio code, Xampp, Mysql database, WebServer.
The main part in our project is to execute the backend part.

Steps to execute and run a backend part is:
Create a file by .php extension.
Save the file in htdocs under xampp folder.
Open xampp Package.
In Xampp Package start Apache and Mysql servers.
Open your browser and type localhost/index.php
Now your backend server is live .

7.2 Steps to execute/run/implement the project

First we created all required files then write all frontend code and run it by the help of GoLive that is a extension of visual studio code.

Steps to using Golive Extension:

- Open a project and click to Go Live from the status bar to turn the server on/off. Go Live Control Preview

- Right click on a HTML file from Explorer Window and click on Open with Live Server. Explorer Window Control.

- Open a HTML file and right-click on the editor and click on Open with Live Server. Edit Menu Option Preview

- Hit (alt+L, alt+O) to Open the Server and (alt+L, alt+C) to Stop the server (You can change the shortcut form keybinding). [On MAC, cmd+L, cmd+O and cmd+L, cmd+C]

- Open the Command Pallete by pressing F1 or ctrl+shift+P and type Live Server: Open With Live Server to start a server or type Live Server: Stop Live Server to stop a server.