

A PRELIMINARY MINI PROJECT REPORT ON

“Travel Planner”

SUBMITTED TOWARDS
THE PARTIAL FULFILLMENT OF
THE BACHELOR OF TECHNOLOGY (T.Y. B. Tech.)
Academic Year: 2023-24

By:

Guruprasad Pathak
Anish Joshi
Aryan Sagavekar
Anish Joshirao

TYRLE06
TYRLE21
TYRLE33
TYRLE54

Under The Guidance of

Prof. Vinayak Malavade



DEPARTMENT OF COMPUTER ENGINEERING,
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
SECTOR 26, NIGDI, PRADHIKARAN



PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

This is to certify that, the project entitled

“Travel Planner”

successfully carried out as a **Skill Development Laboratory I** mini project

And successfully submitted by the following students of “PCET's Pimpri
Chinchwad College of Engineering.

Under the guidance of Prof. Vinayak Malavade

In the partial fulfillment of the requirements for the
T.Y. B. Tech.

(Computer Engineering)

Guruprasad Pathak

Anish Joshi
Aryan Sagavekar
Anish Joshirao

TYRLE06

121B1D006

TYRLE21

TYRLE33

TYRLE54

121B1D021

121B1D033

121B1D054

Prof. Vinayak Malavade
(Project Guide)

Abstract:

The "Travel Planner" project delves into the world of web technology, exploring both front-end and back-end development, as well as database connectivity. Using HTML, CSS, and JavaScript, we have crafted the user-friendly front-end of our application, ensuring a visually appealing and intuitive interface for our users.

On the back-end, we harness the power of PHP to create the logic that drives the application. It handles user authentication, destination management, and booking processes, offering a seamless experience to travelers.

Our project relies on a MySQL database, managed through XAMPP, to store and retrieve user information, destination details, and booking records. This database connectivity ensures data accuracy and accessibility.

The "Travel Planner" project combines these elements to provide an integrated solution that simplifies travel planning and enhances the user experience. By integrating front-end, back-end, and database technologies, we demonstrate our proficiency in web development and our ability to deliver a practical solution for travel management.

Chapter 1: Introduction

a) Problem Statement

Addressing the need for a user-friendly travel planning platform, this project aims to develop a system with registration, login, and booking features, streamlining the process of exploring and booking travel destinations for users.

b) Project Idea

Create a comprehensive travel planning application that enables users to register, log in, and efficiently book their desired destinations. The platform will provide a seamless user experience, offering a range of travel options and helping users plan and book their trips hassle-free.

c) Motivation

The motivation behind this project stems from the ever-growing demand for convenient travel solutions. In today's fast-paced world, individuals seek efficient ways to plan their trips without the complexities of traditional booking systems. This application aims to empower users by offering a user-friendly interface, simplifying the travel planning process. By providing a seamless experience from registration to destination booking, we aim to enhance the joy of travel, making it accessible to a wider audience. Furthermore, the project aspires to encourage exploration, cultural exchange, and meaningful experiences by facilitating hassle-free travel arrangements. We are driven by the vision of enabling people to embark on their dream journeys, fostering a sense of adventure and discovery in the modern era.

d) Scope

The future scope of the "Travel Planner" project presents opportunities for expansion and enhancement. Potential areas of development include:

Personalization: Implementing user profiles and preferences to offer customized travel recommendations and itineraries based on user history and preferences.

Payment Integration: Enabling secure online payments for bookings, making it a one-stop solution for travelers.

Social Integration: Adding social media sharing, allowing users to share their travel plans and experiences with their network.

Global Expansion: Expanding the platform to cover a wider range of destinations and potentially integrating multi-language support.

The ongoing evolution of the "Travel Planner" project can keep it relevant and competitive in the dynamic field of travel planning and provide users with an ever-improving experience.

e) Requirement Analysis:

Based on the literature survey and extensive market research, the following requirements were identified for the "Travel Planner" project:

User Registration and Authentication: Users should be able to create accounts and log in securely.

User Dashboard: A user-friendly dashboard displaying user information and travel destinations is required.

Destination Information: Comprehensive information about various destinations, including images, descriptions, and availability.

Booking System: Users should be able to browse destinations and book trips, with integrated payment options.

Global Expansion: Scalability to accommodate a growing number of destinations and multi-language support.

Sustainability Focus: Future considerations should include integrating eco-friendly travel options and promoting responsible travel.

Chapter 2: Product Design

a) Requirements and Prerequisites:

Hardware Requirements:

A development machine with sufficient processing power and memory to run the development environment (XAMPP), and optionally, a separate server for hosting the application.

Software Requirements:

Installation of XAMPP: XAMPP (or equivalent) must be installed to provide a local development environment that includes Apache, MySQL, PHP, and other necessary components.

Development Tools:

Code Editor: A suitable code editor, such as Visual Studio Code, for writing HTML, CSS, JavaScript, and PHP code.

Database Setup:

Creation of a MySQL database and tables to store user data, destination information, and booking details.

Web Browser:

A modern web browser for testing and debugging the application during development.

b) Database Design:

The "travel_planner" database is structured to support the requirements of a travel planning application.

It encompasses a "user" table where the "email" field, defined as VARCHAR(255), serves as the primary key, ensuring each user's unique identification, and the "phone" field, also defined as VARCHAR(20), is designated as a unique constraint to maintain data integrity.

User data comprises attributes such as "name" (VARCHAR(255)), "email," "phone," "password" (VARCHAR(255)), and "gender" VARCHAR(2), allowing for user profiles.

The "email" field, serving as the primary key, enforces the uniqueness constraint (UNIQUE) to prevent duplicate email entries.

The "phone" field, designated as a unique constraint, ensures that each user is associated with a unique contact number.

Server: 127.0.0.1 » Database: travel_planner » Table: user

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Triggers](#)

[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	name	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	email	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	phone	int(20)			No	None			Change Drop More
<input type="checkbox"/> 4	password	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	gender	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More

☐ Check all
 With selected:
 [Browse](#)
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext

[Print](#)
[Propose table structure](#)
[Move columns](#)
[Normalize](#)

Add column(s)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	email	3	A	No	
Edit Rename Drop	phone	BTREE	Yes	No	phone	3	A	No	

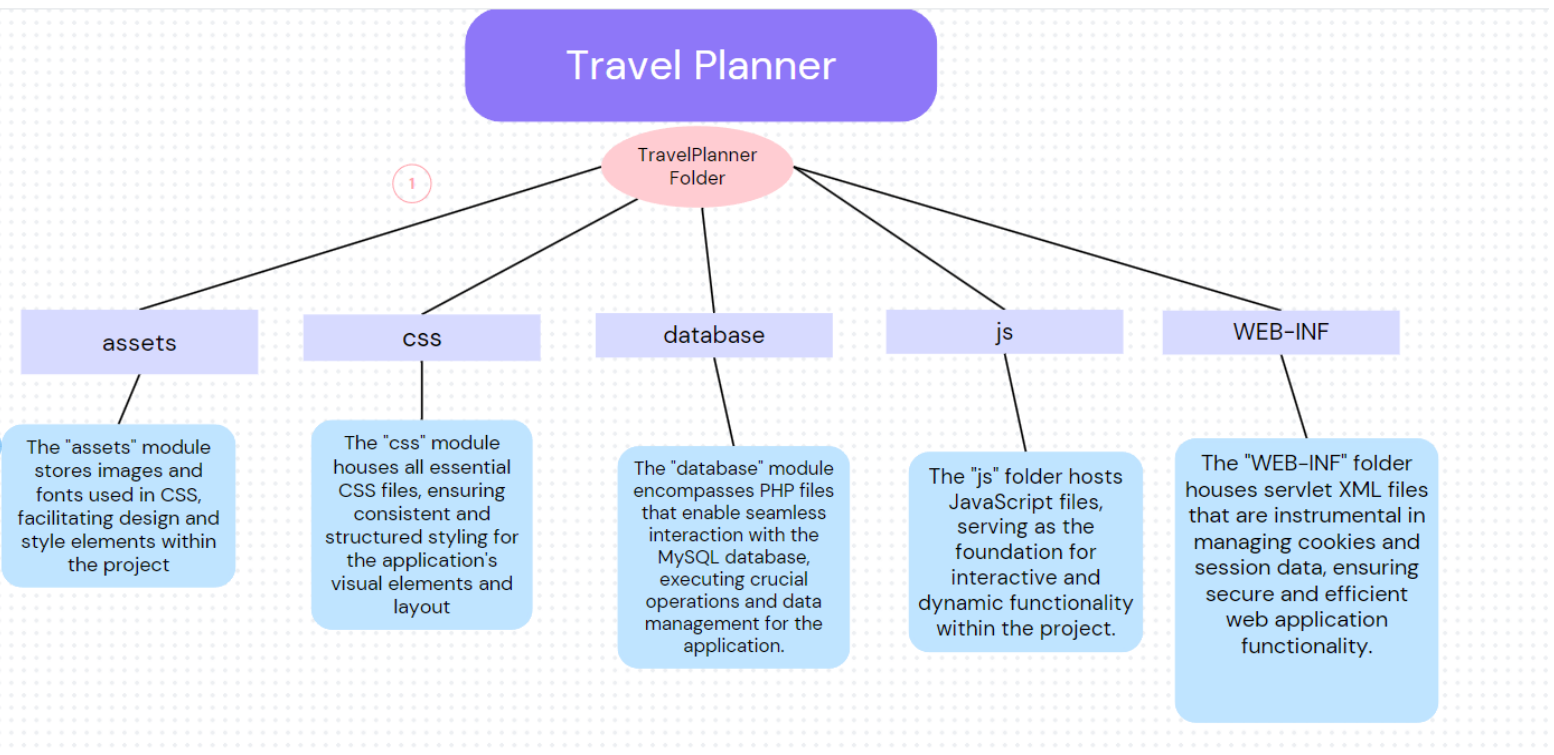
Fig 1: Travel Planner Database Structure

c) Hours estimation:

The estimated project completion time for this travel planning application is approximately 2 to 3 weeks. This timeframe accounts for various project phases, including database design, front-end and back-end development, testing, and deployment.

Chapter 3: Module Description :

a) Explanation of each module:



The "assets" folder stores images and fonts, enhancing the project's CSS and visual elements.

The "css" module holds critical CSS files, maintaining consistent styling for the application's design.

In the "database" folder, PHP files manage MySQL database interactions, facilitating essential data operations.

The "js" folder is dedicated to JavaScript files, providing the foundation for dynamic and interactive functionality.

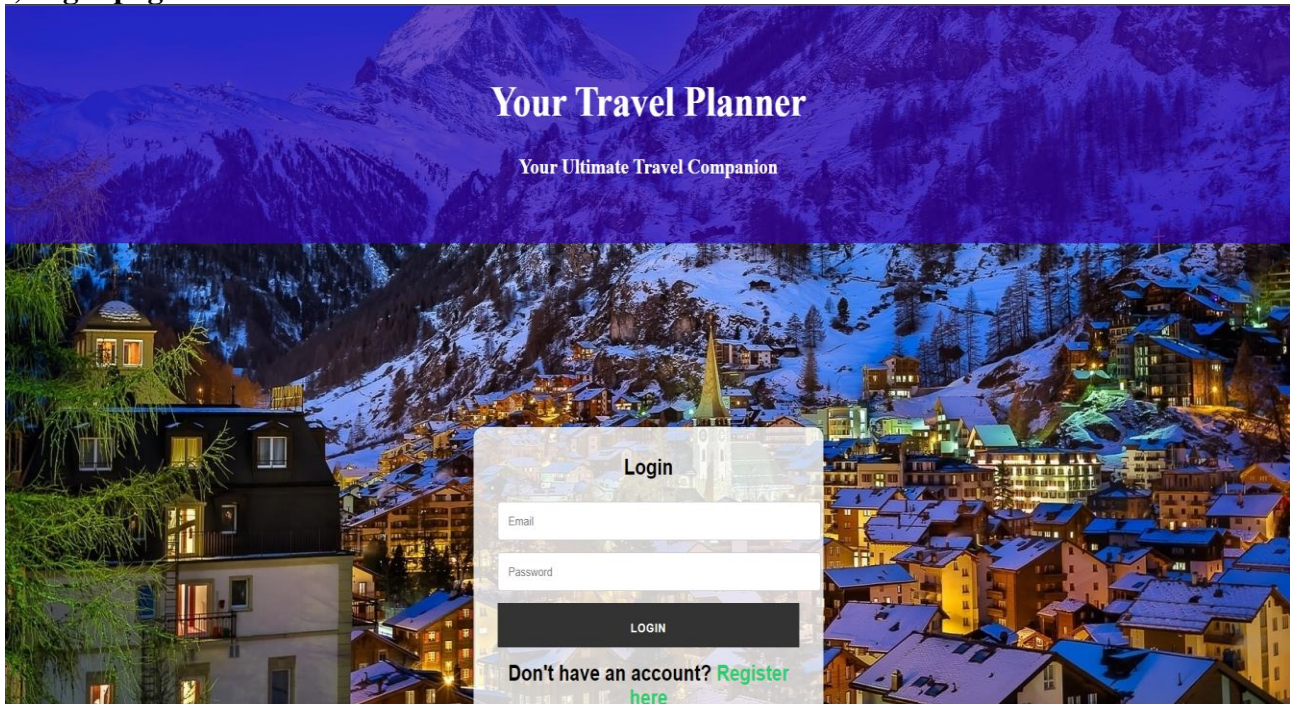
Within the "WEB-INF" folder, servlet XML files are stored, crucial for secure management of cookies and session data in the web application.

These folders collectively play vital roles in the project's development, from data handling to visual presentation and interactivity.

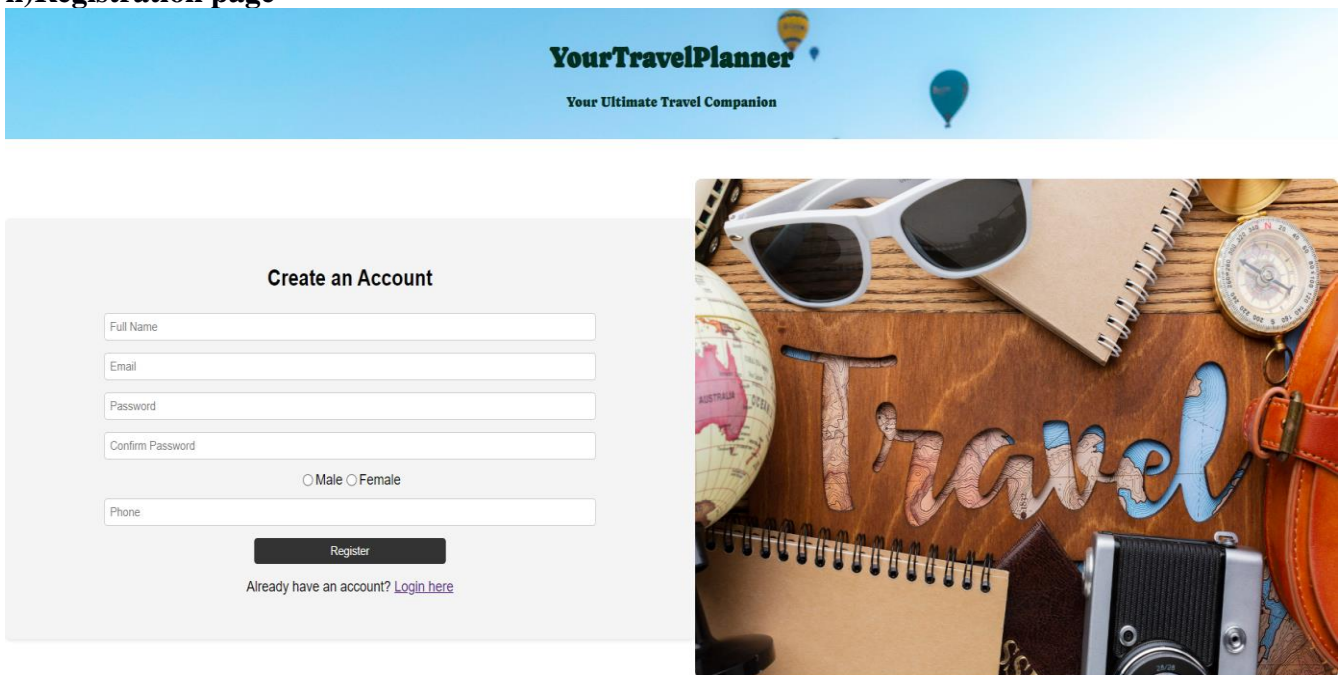
Chapter 4: Results & Discussion

a) Screenshots including GUI

i) Login page



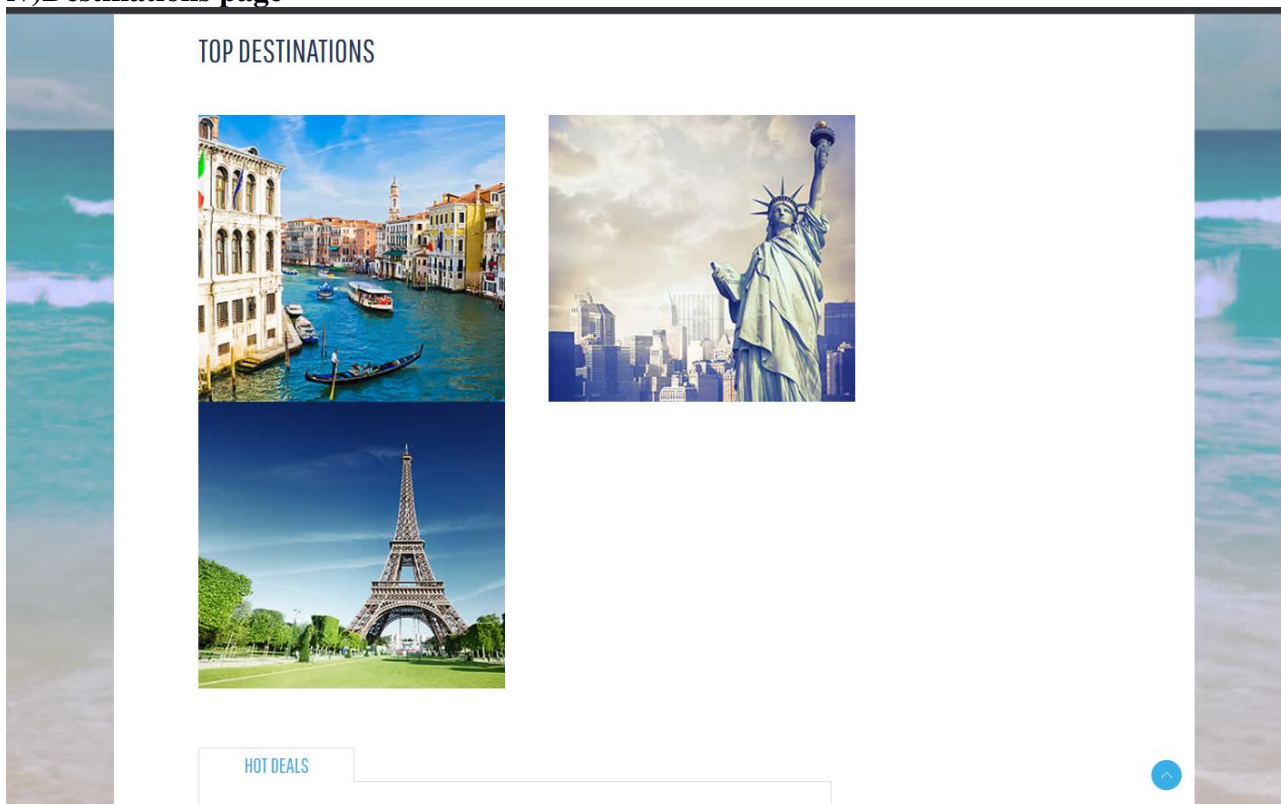
ii) Registration page



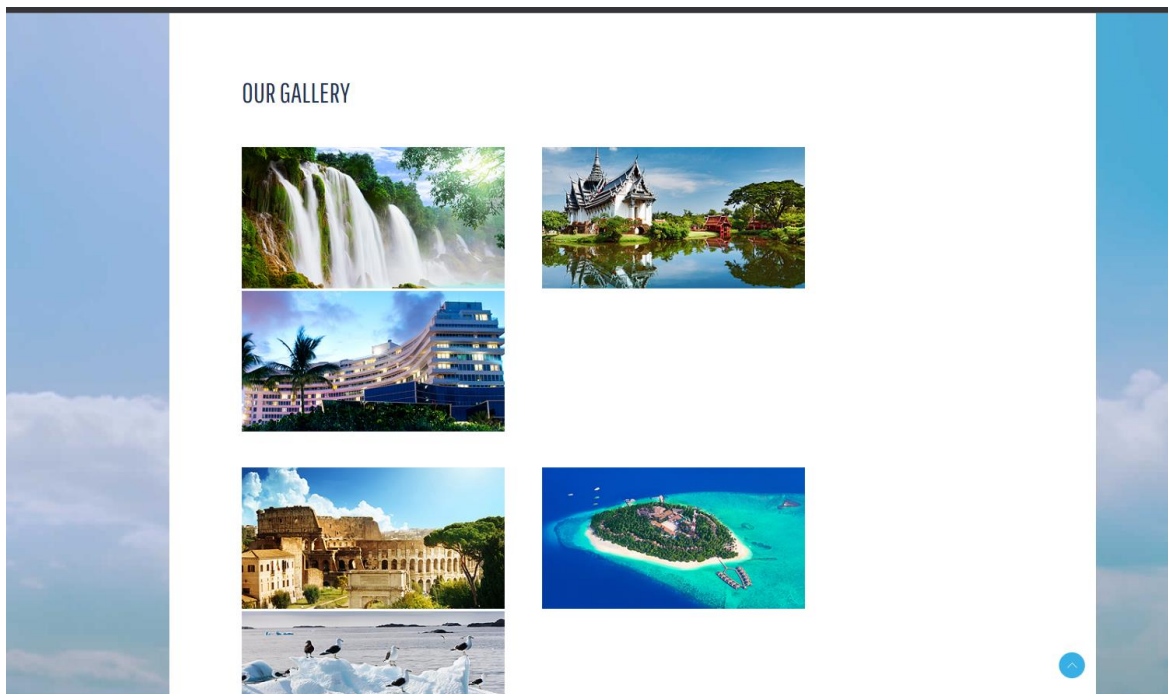
iii)Home page



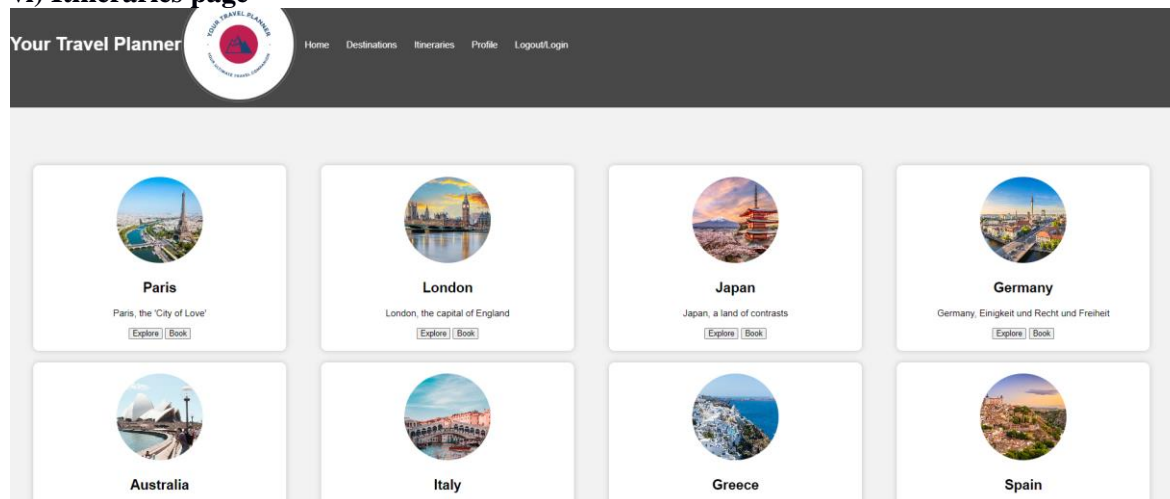
iv)Destinations page



v) Gallery page

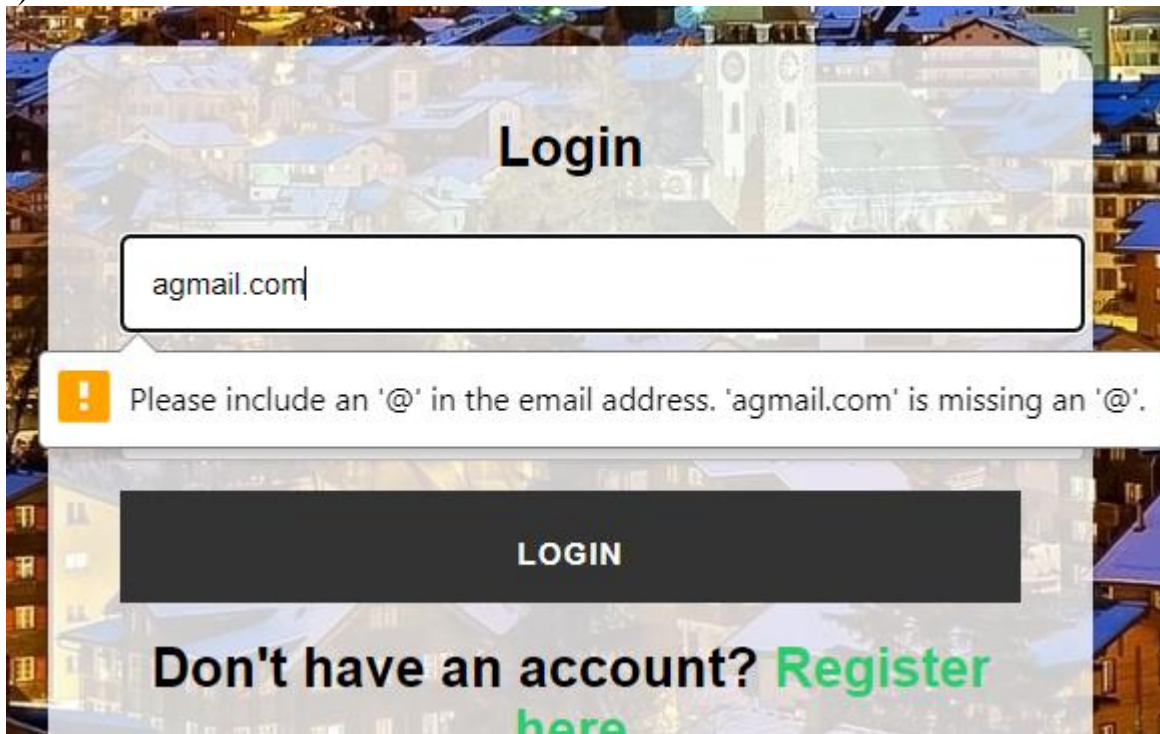


vi) Itineraries page

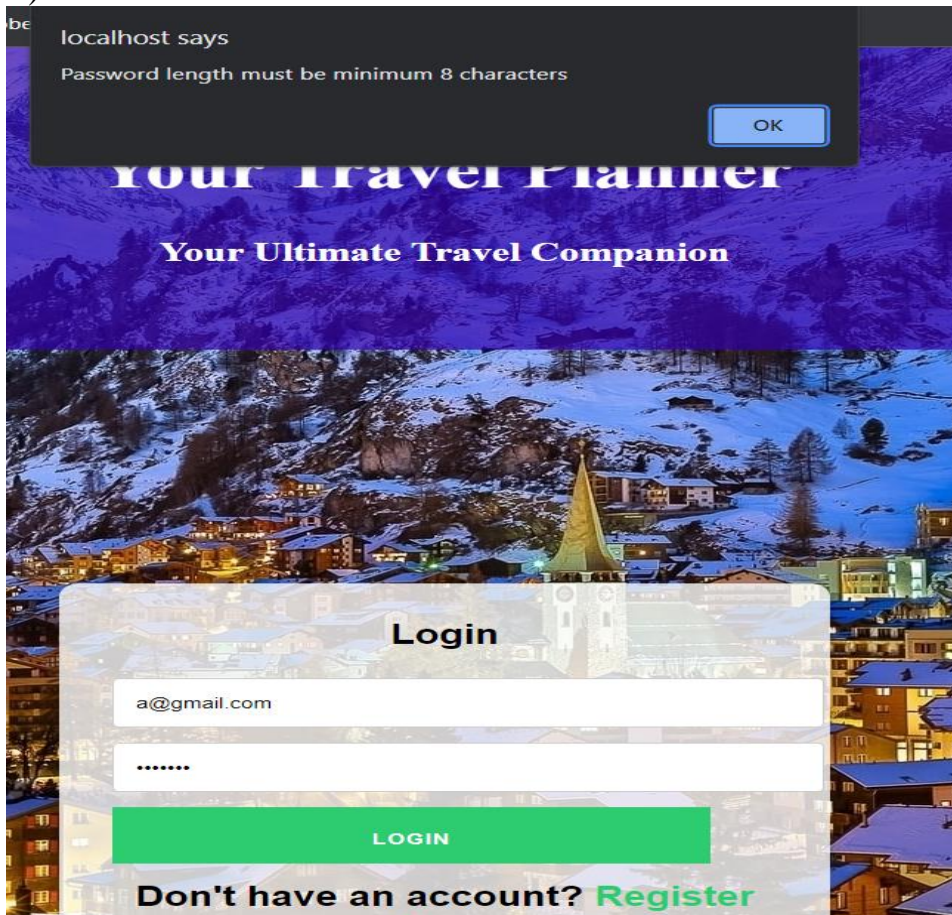


c) Test cases

i)Email Validation:

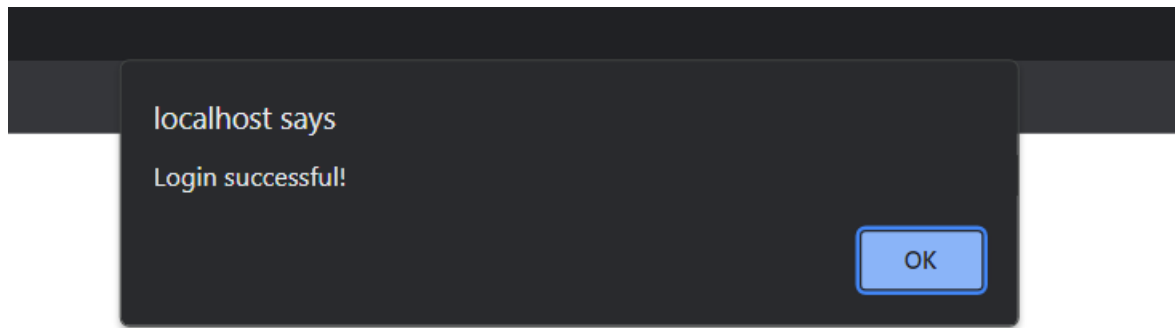


ii)Password Validation:

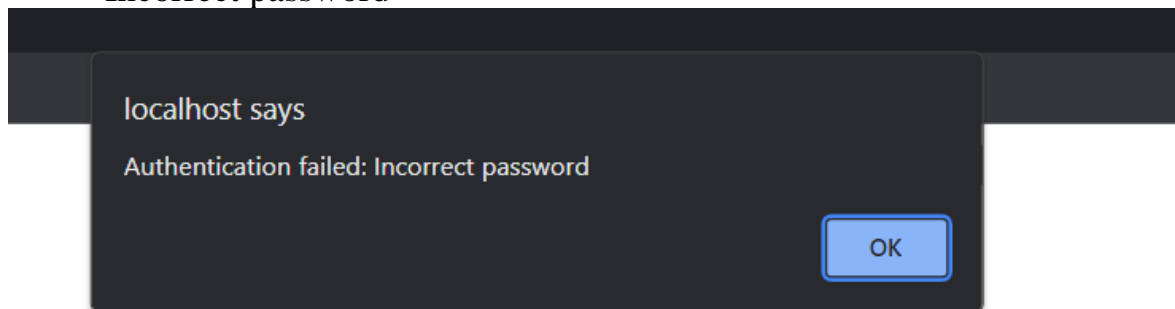


iii) User Authentication

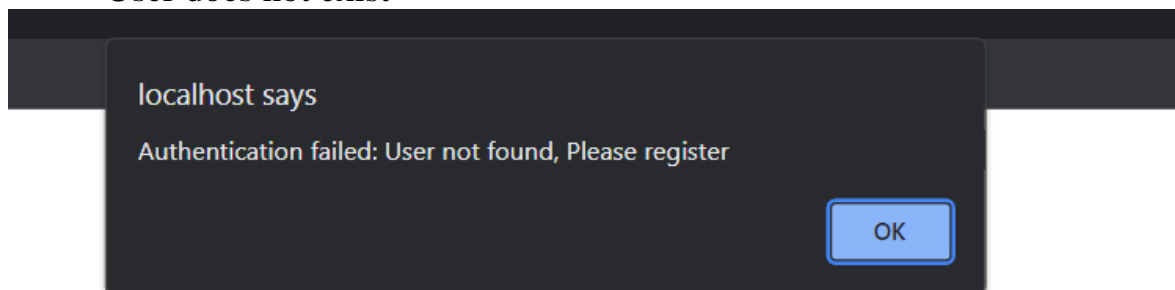
- User exists and validated



- Incorrect password



- User does not exist



Conclusion:

The "Travel Planner" project is a testament to the marriage of technology and wanderlust, offering users a seamless journey from registration to a dynamic dashboard. By providing an intuitive registration and login system, the project ensures a secure and personalized experience for travelers. The dashboard further enhances this experience, granting users access to their personal information, along with an inspiring array of destinations, which can be conveniently booked. This project not only simplifies travel planning but also offers valuable insights into web development and user-centric design, making it a practical and engaging tool for modern travelers.

References:

www.w3schools.com

www.javatpoint.com

www.geeksforgeeks.com

<https://madhurakalbhor.weebly.com>

www.shaileshgalande.com