

Mini Project (2020-21)



Institute of Engineering & Technology

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Abstract

The Travel and Tourism Management System is a web-based application and maintains a centralized repository of all related information. The objective of this project is to develop a system that automates the process and activities of a travel agency. The purpose is to design a system using which one can perform all operations related to traveling. In the present system a customer has to approach various agencies to find details of place and to book tickets. This often requires a lot of time and effort. The purpose is to design a system using which one can perform all operations related to traveling. The user registers their details and they were chosen package which they need. They checkout the which explain the information of the place you are need to visit these include in this system.

Introduction

General Introduction to the topic

The Travel and Tourism Management System is a web-based application. The main purpose of “Travel and Tourism management system” is to provide a convenient way for a customer to book hotels, flight, 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. In this project, we will make an easier task of searching places and for booking train, flight or bus. In the present system a customer has to 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. It is tedious for a customer to plan a particular journey and have it executed properly. The project ‘Travel and Tourism 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.

About Travel and Tourism

The purpose of the travel and tourism website is to create a system that automates travel process and events and to build a system that enables all travel related operations to be carried out.

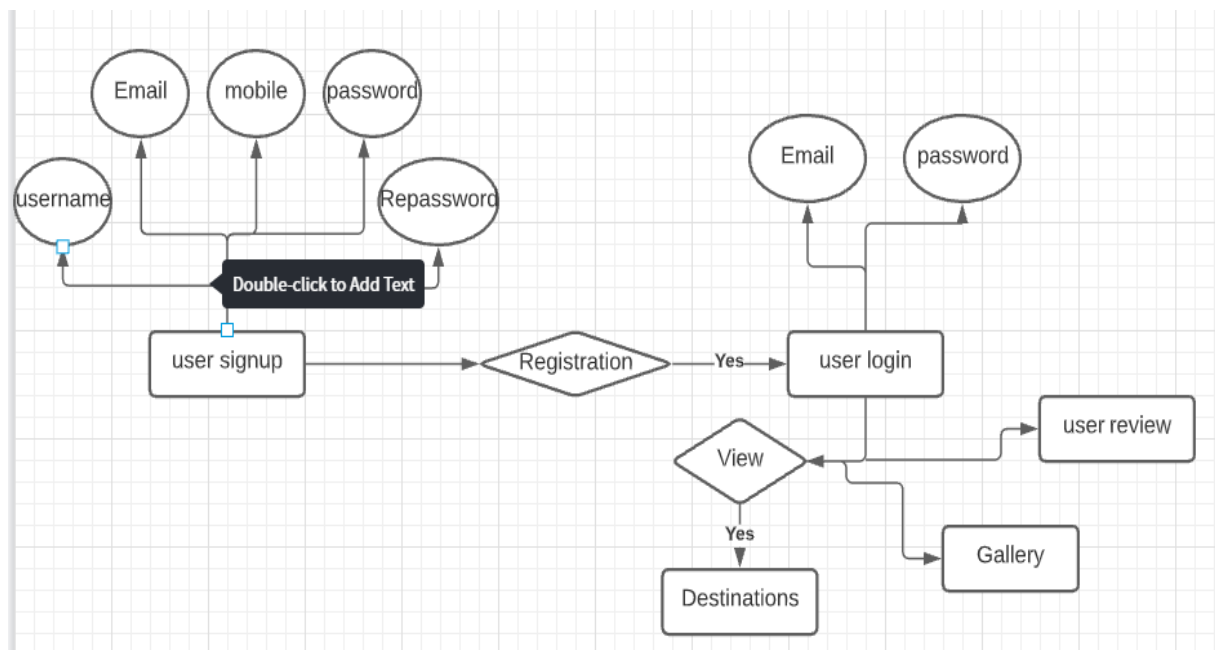
This website will help in accessing the information related to the travel and tourism to the particular destination with great ease. The users can track the information related to their tours with great ease through this website.

In this website we provide the transportation through its Airways, Railways and busses. According to the tour packages we provide the facilities to customers such as hotels, guesthouses, rental cars. It may vary from customer to customer and packages according to need. We offer new products and concepts from time to time. Keeping the effect of change of seasons on the human mind and body, we revise our itineraries regularly. This is because the comfort and the satisfaction of our customers are paramount to us. Travel and Tourism offer a large range of travel opportunities. Whether you're looking for a weekend getaway to relax and indulge, a special holiday with friends and family, a trip to your favorite chill out spot or a new adventure, you've come to the right place.

How it works and useful

- This website provides the booking to the user for hotels and travel package.
- As it is easy for customers who like to compare accommodation costs and the services offered by individual providers.
- This website helps visitors to save their time and energy.
- The website requires registering to reach the following website material.
- It provides a convenient way for travelers to arrange their stay. From the comfort of their home, travelers can compare hotel prices and book them over the internet.

Basic ER Diagram



Area of Computer Science

Travel and Tourism is a project that falls under Computer science, in domain of web-development. This project is mainly the development of a fully responsive, compatible, easy to use, and interactive website. The project comprises of both front-end and back-end of the website and it can store data and login details of its users once it is complete.

Travel and Tourism website is built keeping in mind that it would have many users who won't be able to access this website all the time from their laptops or desktops. Hence, this site is made fully responsive for their users and can be accessed from any device which has minimal and basic requirements.

This project is made in domain of web-development to make it available for each individual easily and is only one search away.

Scope of the Project

The Website is developed based on real life. The website will provide a stress-free joyful refreshing holiday with cost competitive and customized packages according to their requirements. As it is web based it can provide services to customer where they want to travel. It offers tour and travel services including ticket bookings, hotel reservations, holiday tour packages only in one click. It provides the most suitably designed as well as the customized travel packages to the customers. A traveler can find everything related to travelling services under one roof by this website. The site will help to estimate the benefits and calculate the requirement very easily. The benefits will be in terms of speedy query. Smooth and faster operations at all levels improve the working atmosphere of the entire organization. Maintaining the database as required. Database can be modified accordingly.

Hardware Requirements

- 1 GB RAM
- Laptop/Desktop
- External Backup Storage
- Internet Connection (Ethernet/Mobile Network)

Software Requirements

- Visual Studio code (2019)
- SQL server (2019)
- Graphic Editor (GIMP)
- Web Browser (Chrome, web explorer)
- GitHub (progress report)

Problem definition

The purpose of website is established fact that Internet users are increasing today. One of the main purposes of the website is to facilitate the offline customer online because customers cannot spend their precious time in markets trying to find out the best deal. India is a country where in a few days holiday, you can enjoy a lot. The problem is that we although having many websites but they offer different kind of services. The customers are enjoying a lot but there is a lack of relationship between travel agency and customers and hence we are establishing that relationship by caring and serving all customers in the same manner that we wish to be served.

This project is embarked on to solve the following problems:

1. Delay in handling enquiries and making bookings, poor customer service and feedback.
2. Unauthorized access to vital documents and files of the corporation, and displacements of records.
3. Certain tourist locations and accommodations may be unavailable at certain times and the existing system may fail to communicate these to a customer as a result of unorganized information which may put customers in cases of unplanned expenses or an uncomfortable tour.
4. The major problems experienced is the poor information flow, delay in handling enquiries, making booking, and poor customer service and feedback.

These problems make it difficult for customers to book their tour because the current system is inefficient.

Objective

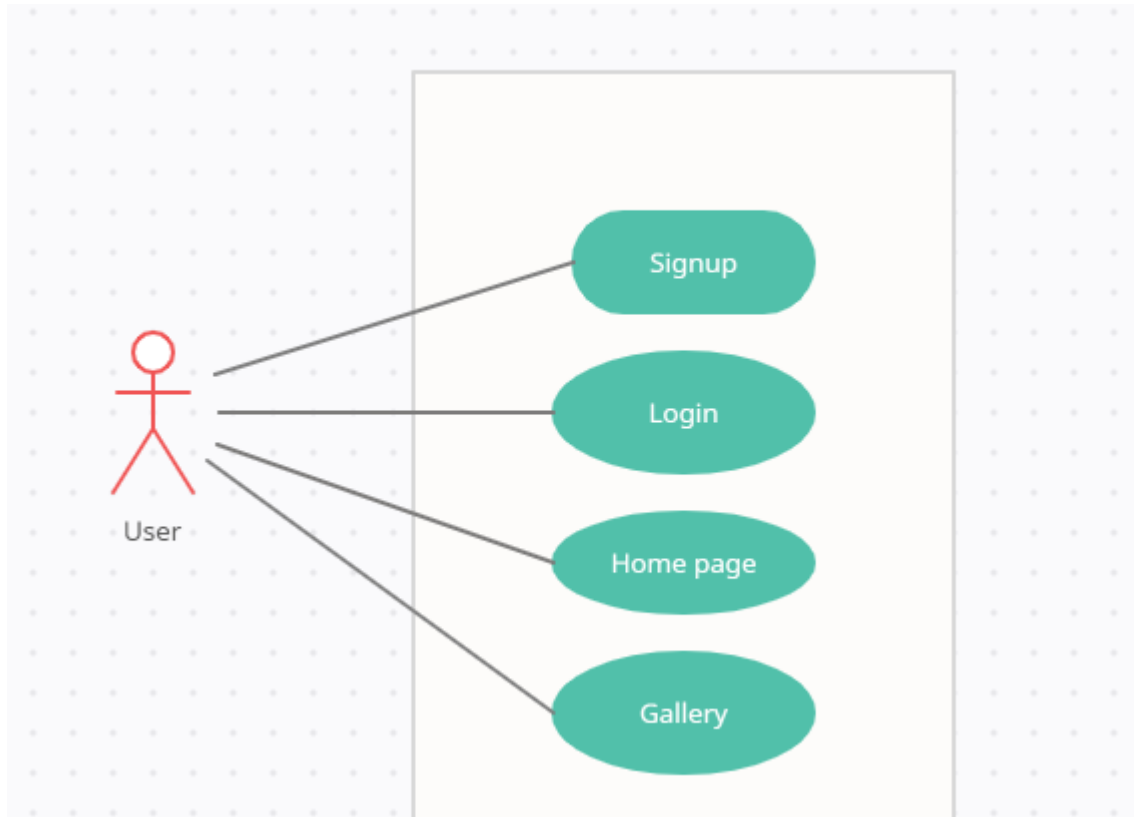
This application is developed to provide best travelling services to the customers and travel agents. We have developed travel and tourism to provide a search platform where a tourist can find their tour places according to their choices. This system also helps to promote responsible and interesting 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. 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 believe. This system also provides a better way to connect with various events.

This system also gives tours related information like which places are tourist attractions, cities, and provinces. Tourist can also get the Map and navigation system and temperature and weather information. Tourist can also book tours through our tours and travels management system. This system also keeps a history of visited places of its users.

Implementation Details

Use Case Diagram



Travel and Tourism is a website that uses all the basic components used by a website. To make it more user-friendly certain libraries and tools have been implemented.

HTML

The language provides the basic structure to the page. HTML rows and tables, containers, etc.

HTML tags, nested tables have also been used to benefit in less lines of code and ease of implementation

CSS

CSS divisions, nested divisions, margins, animations, and development of logos.

Animations and effects added to the page. The styling and spacing to the page, color and texture.

Cascading Style Sheet's divisions, containers, nested divisions, margins etc. has been implemented to

make the front end look interactive. The color combination and texture that uses up the CSS libraries helps differentiate the text on the website and remain readable.

CSS margins, spacing and padding made the website available at the center of the screen and blocked/hidden corners were minimized.

CSS text-decoration, font-family, font-color, z-index etc. has also been implemented so to distinguish between the text and background.

BOOTSTRAP

Bootstrap libraries have been imported to the code in order to get responsiveness in the website.

Few of the Imported libraries are-

<https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css>

<https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js>

<https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>

These libraries contain bootstrap.min CSS that helps making the margins and spacing expand and shrink according to the screen.

The bootstrap JS has been used to import some libraries of the java-script that has made to sort our content, loop, terminate, etc. wherever required.

J-Query

Libraries of J-Query have been imported and implemented in order to give certain animations to the site. J-Query libraries provided certain animations to the buttons, hover effects, animations, hover effects, on-click animations etc. that has made the website more interactive and attractive.

One of the libraries is mentioned-

<https://code.jquery.com/jquery-3.5.1.slim.min.js>

J-Query makes the implementation of JavaScript easy and it is one of the reasons to use it in this site.

LOGO / IMAGES / ICONS

The logos used in this site have been custom created by CANVA and proper copyrights and credits have been kept in light.

Images have been taken either from Google pictures or have been downloaded from Bing (Png is the only format used).

Icons in the sites have been taken from the source sites and legal use of icons has been followed.

BACK-END

PHP

PHP is a server scripting language, and powerful tool for making dynamic and interactive webpage. PHP code is executed on the server, and the result is returned to the browser as plain HTML.

MySQL

MySQL is the most popular Open-Source Relational SQL Database Management System. MySQL is the most popular database system used with PHP. PHP combined with MySQL are cross-platform (you can develop in Windows and serve on a UNIX platform).

Progress

The Front-End part of the Website is half completed and rest is in working.

The Back End part of the website is done with login and registration and rest is in working.

The contents under the links are yet to be inserted.

Login and Registration page, Home page and, several hyperlinks of the Homepage are active.

There are certain links placed in the homepage that are yet to be assigned a hyperlinked page.

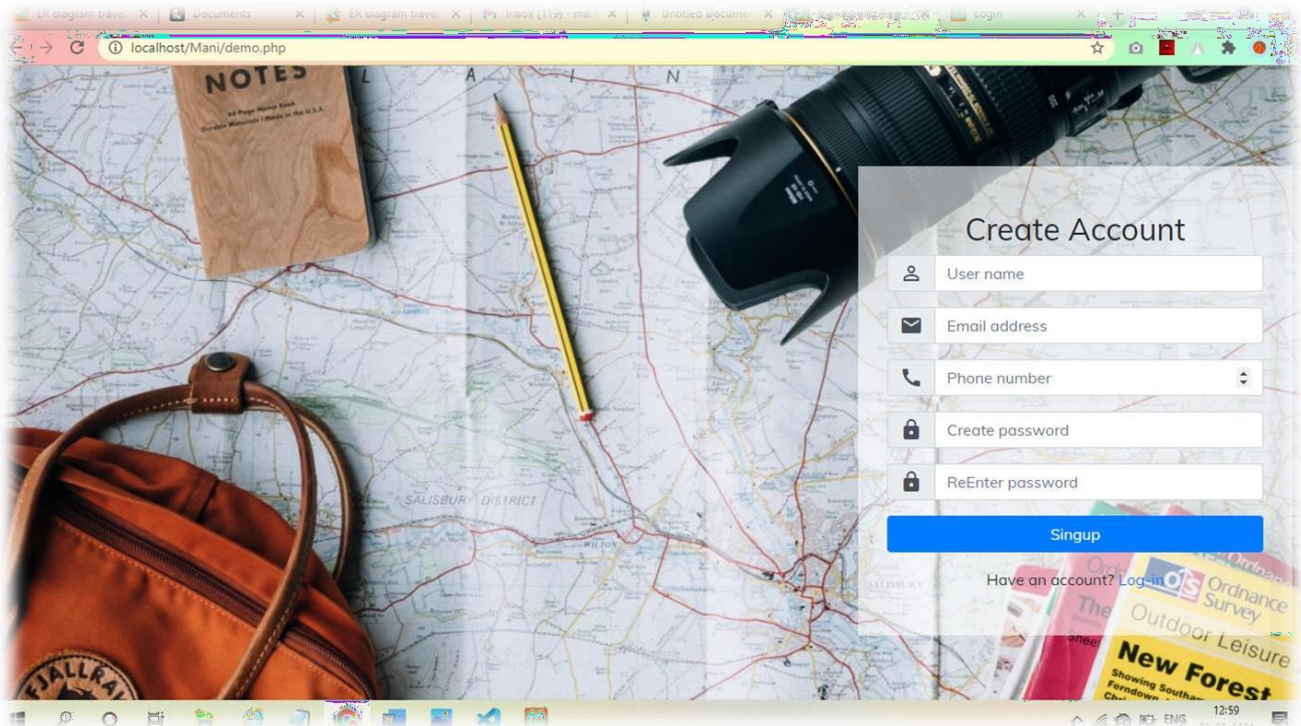
Work is being done to the inactive links and hyperlinked pages are being created.

Content-insertion, Social media Links, linking of Homepage to Login & Registration page, and Id Verifier is the task remaining on the front end of the site.

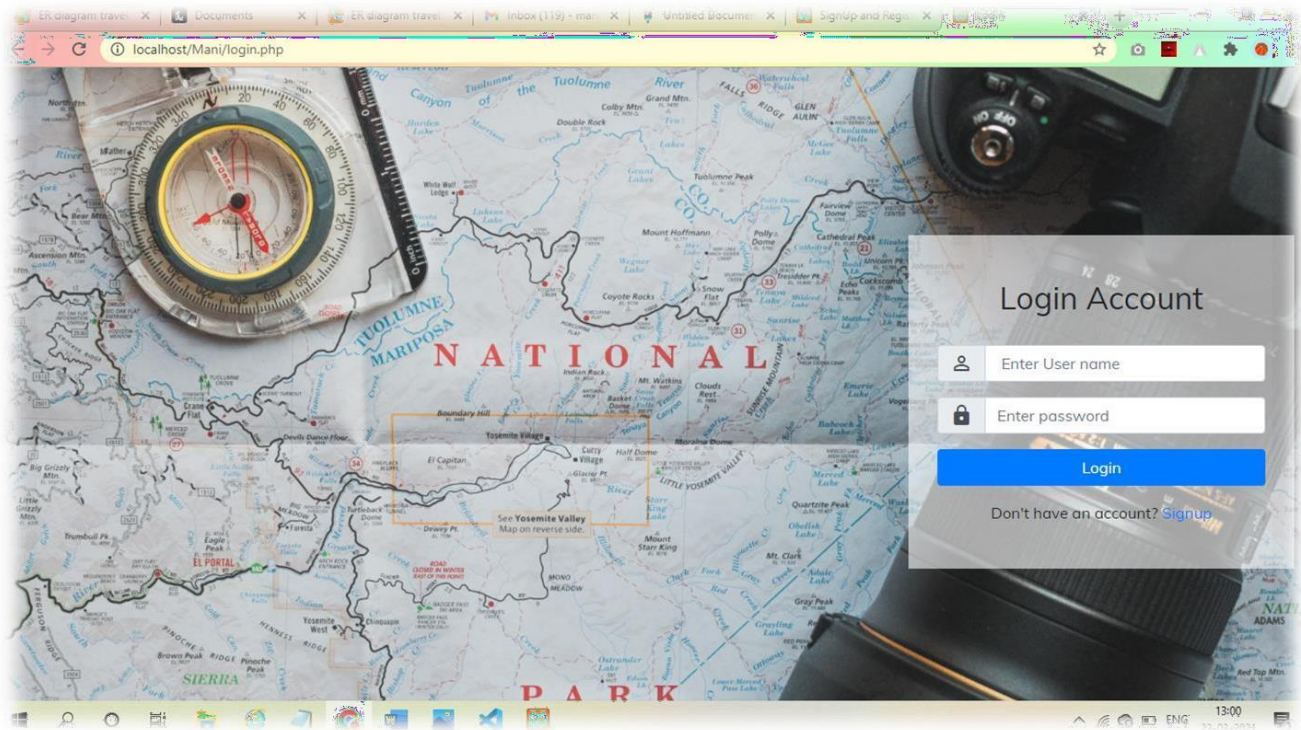
Back-End is to be developed, but certain parts of the website like Login, new user registration also uses Back-End development is done.

Screenshots

Sign up



Login

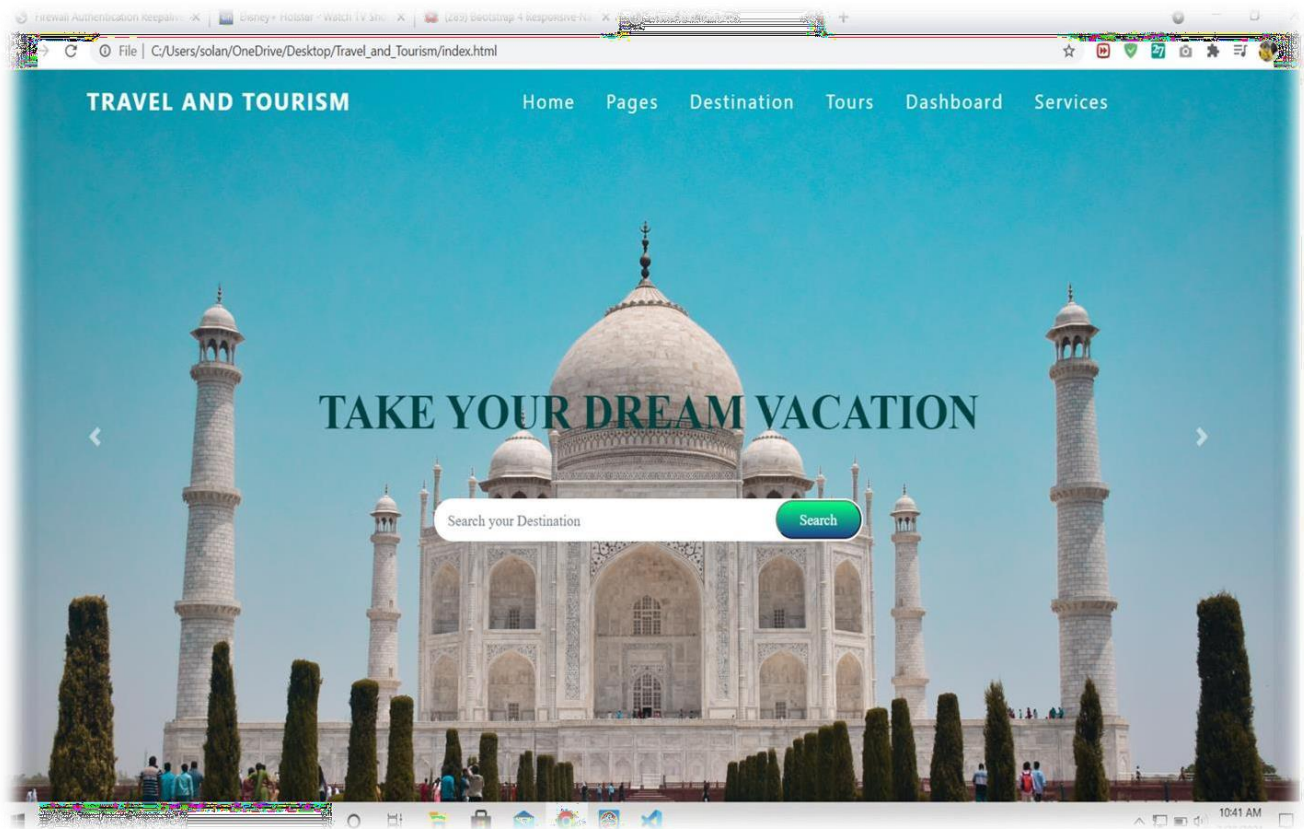


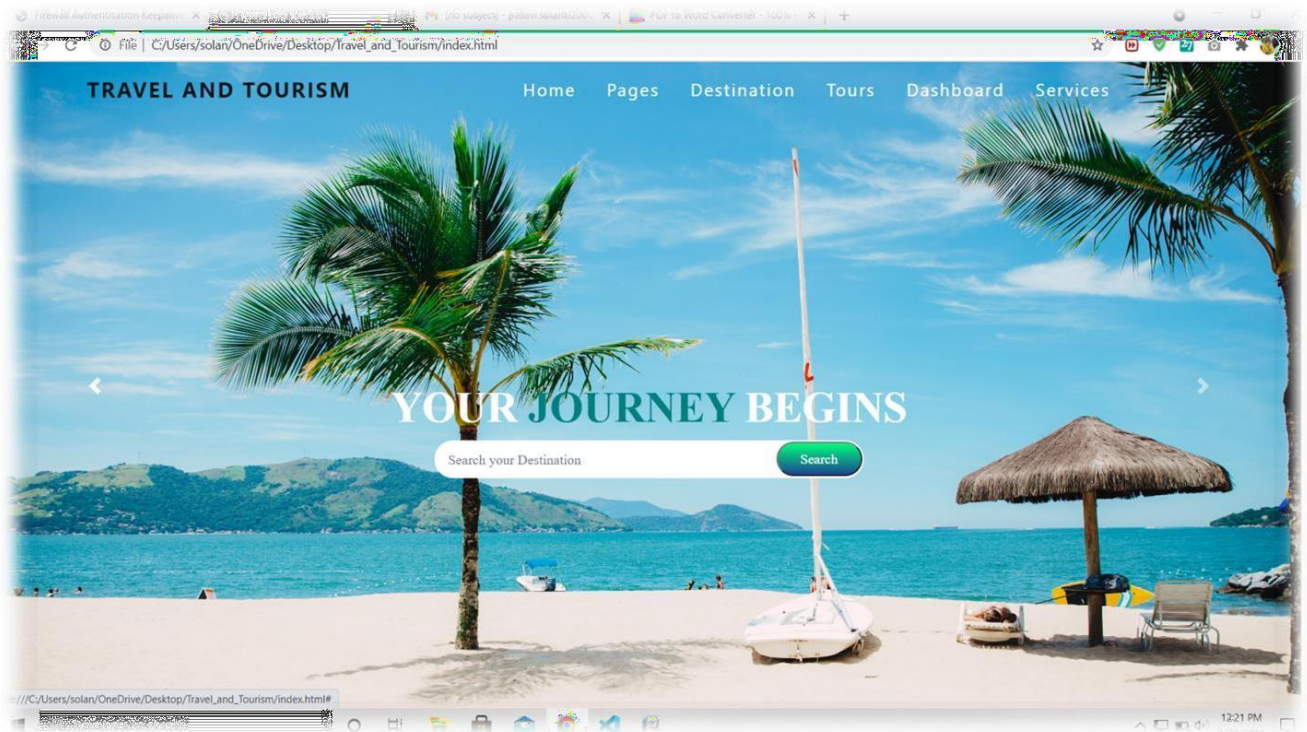
Signup/Login Backend

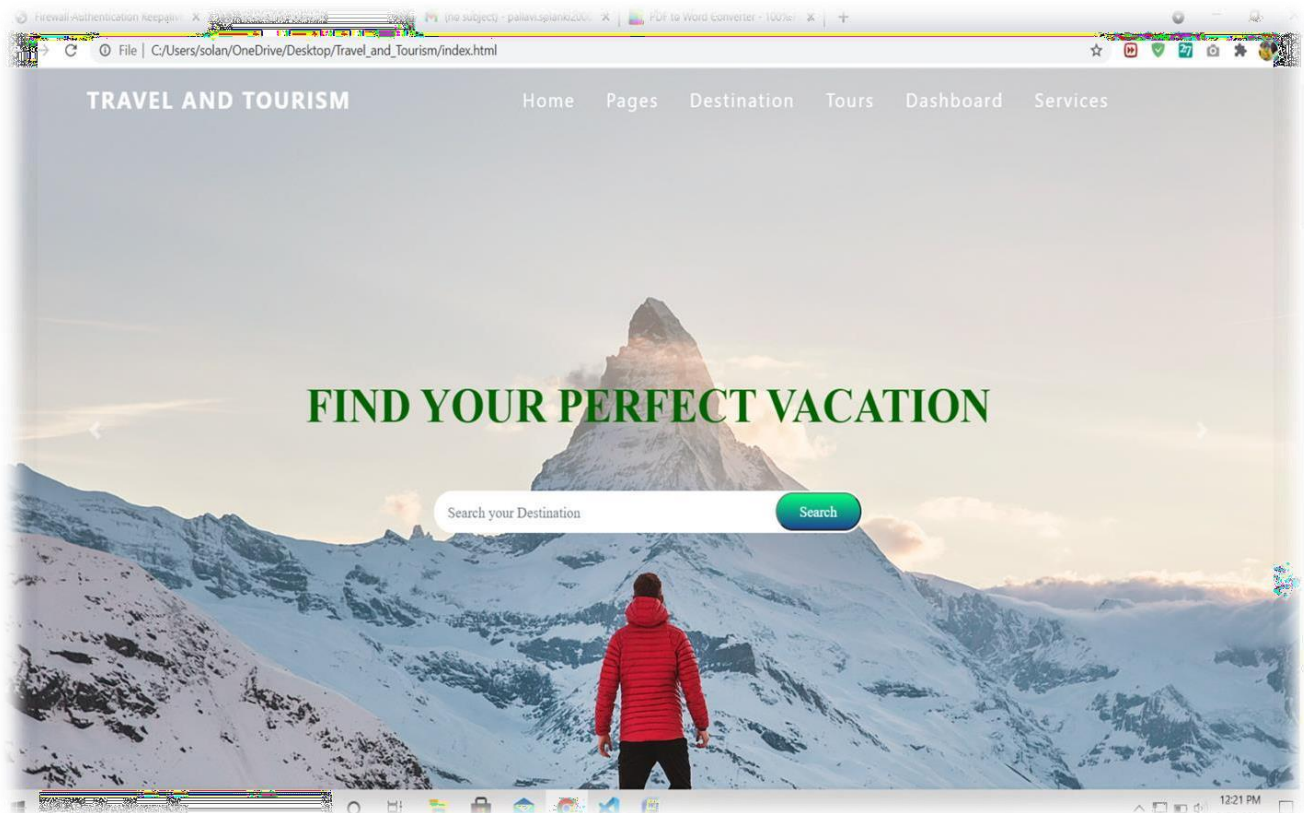
The screenshot shows the phpMyAdmin interface for a database named 'signup'. The 'registration' table is selected, and the SQL query 'SELECT * FROM `registration`' is executed. The results show 4 rows of user registration data. The interface includes a sidebar with a database structure tree, a top navigation bar with various tools, and a bottom console area.

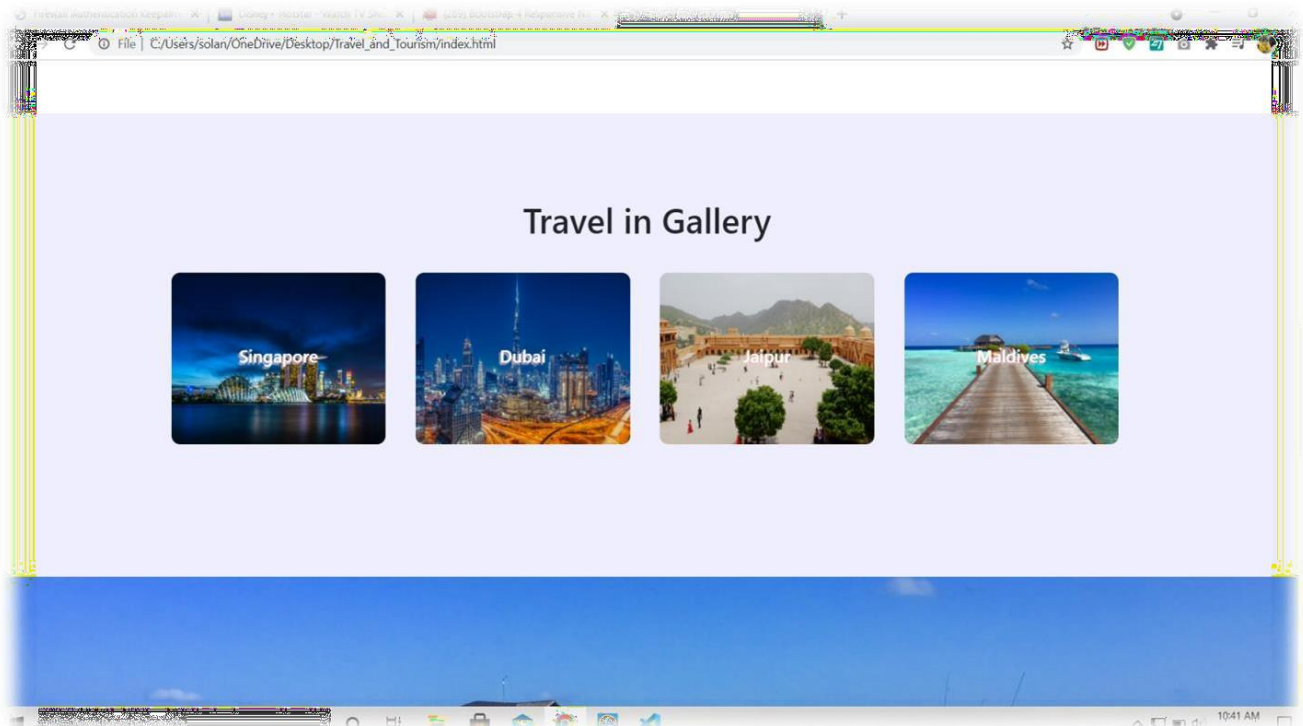
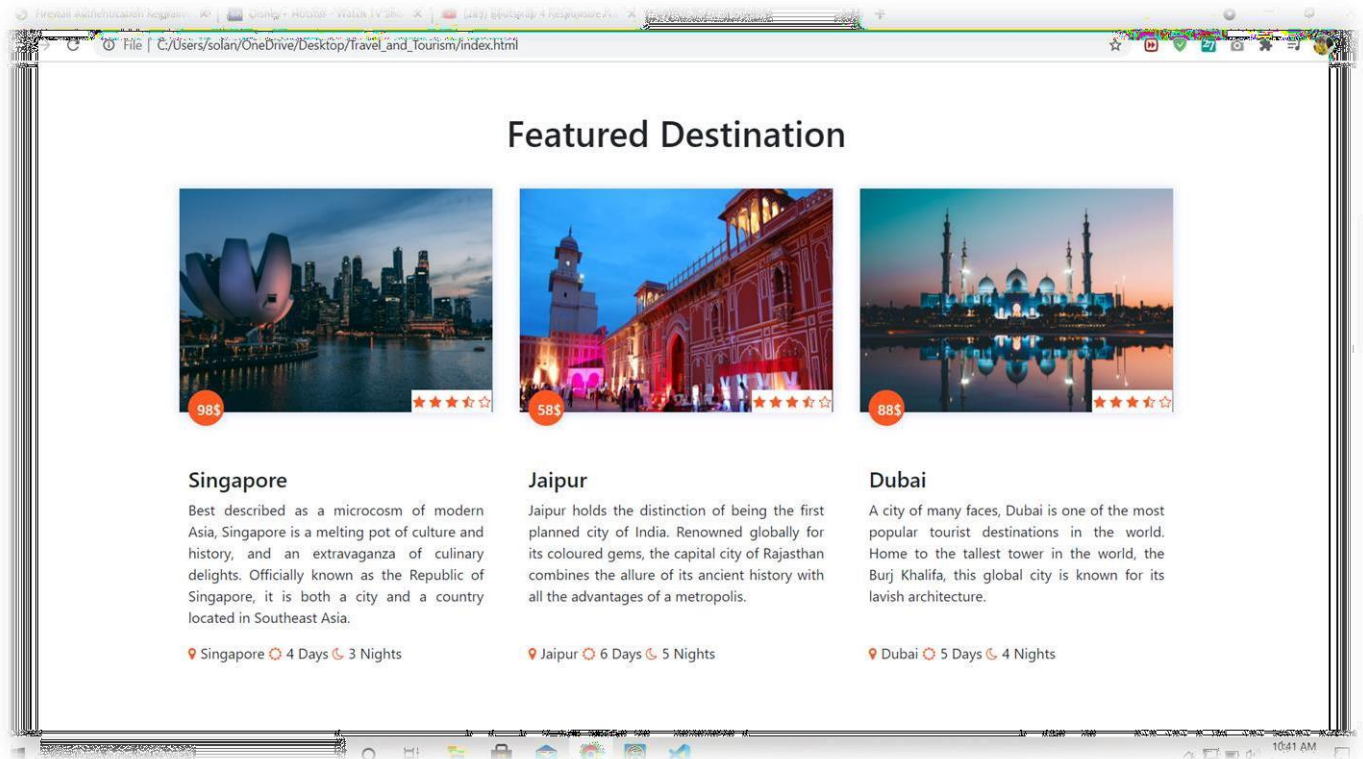
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<input type="checkbox"/>	1	mani_singh_cs18	mani.singh_cs18@gla.ac.in	8006836364	\$2y\$10\$2maJX4g0VlayIW2IBPpade3q85RXGcyDcOOJW8w/0B4...	\$2y\$10\$LyI5G...
<input type="checkbox"/>	2	vanshika03	vanshika0307@gmail.com	9166716693	\$2y\$10\$GQQTyEdwXIZJXU37tummOfyeLXWTHH3rDdf9ymxyNI...	\$2y\$10\$wkl/g...
<input type="checkbox"/>	3	pallavi solanki	pallavi.solanki_cs18@gla.ac.in	9568941900	\$2y\$10\$FzO1AXpZ/Dz5r8F7F7CjceWXxs/kEA54jxOISk5KEz...	\$2y\$10\$BChC...
<input type="checkbox"/>	4	SIMRAN GUPTA	simran.gupta_cs18@gla.ac.in	9557927129	\$2y\$10\$PNeTw4IFTVEpOapA0T4LnuHa4l3z8uZMHYvLE07VeS...	\$2y\$10\$yWJb...

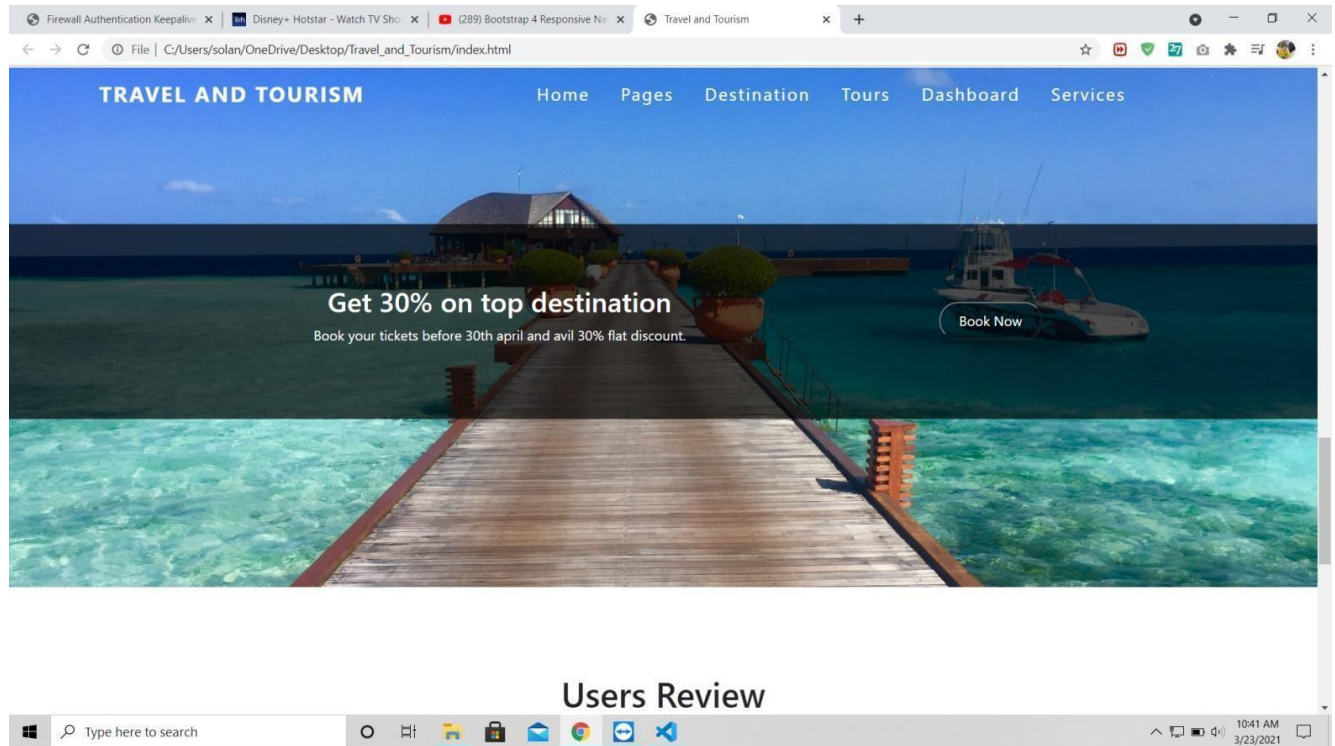
Home

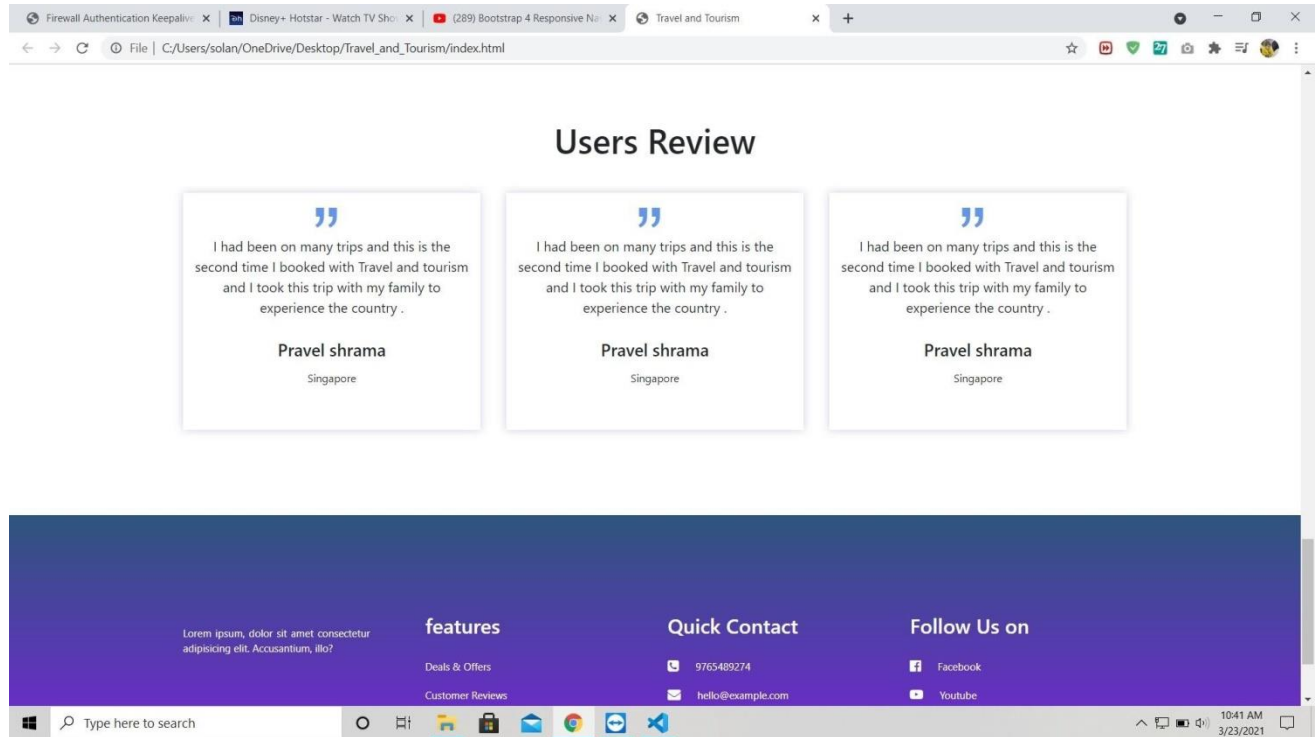




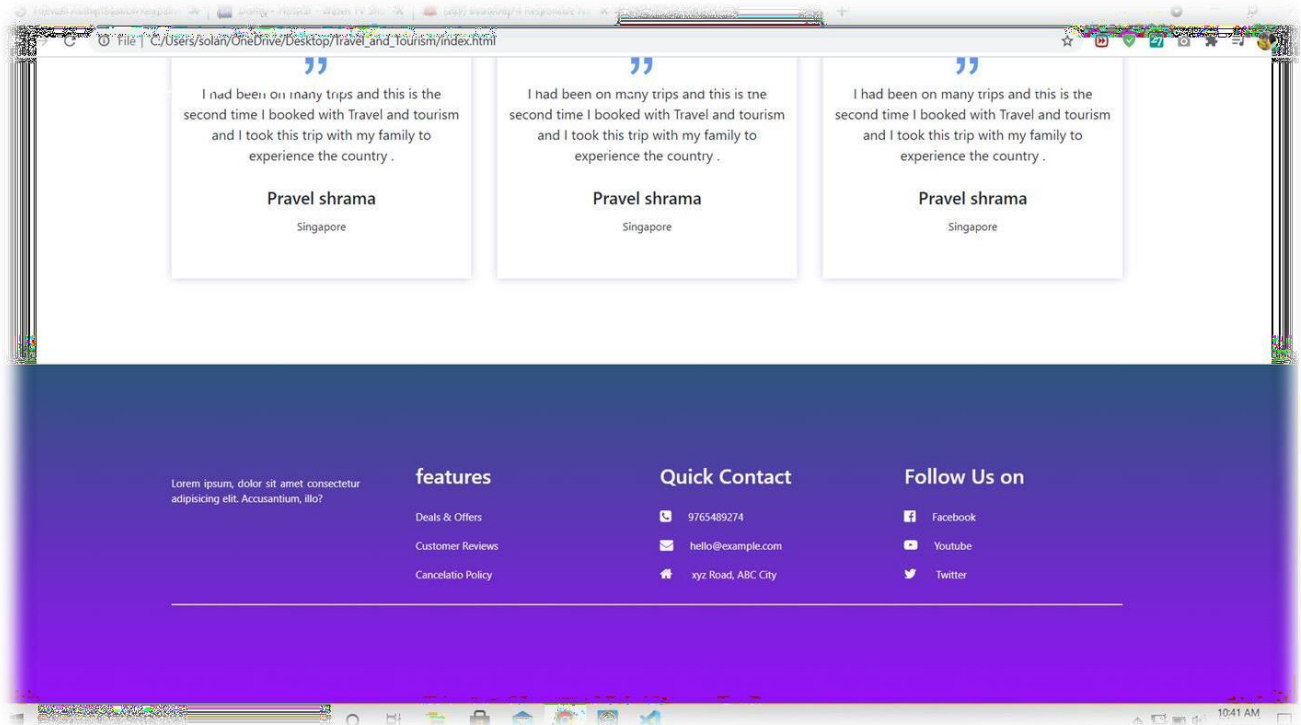








Footer



Reference

Websites from which we take help from:

- <https://www.udemy.com/>
- <https://www.w3schools.com/>
- <https://www.codecademy.com/>

