



NITTE
EDUCATION TRUST

N.M.A.M. INSTITUTE OF TECHNOLOGY

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Department of Computer Science and Engineering

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Report on Mini Project

Travel Management System

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Section: D

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ABSTRACT

‘Travel Management System’ is a web application that provides online travel services in and around Mangalore and Karkala. These services include the system of booking buses to reach your destination.

‘Travel Management System’ also allows you to view various touristy places in Mangalore and Karkala. Only a user with the proper credentials can log in to the website. The user can sign up and create and his account in case, he doesn’t have one.

The major technologies used are HTML, CSS, Bootstrap for the frontend of the website, and PHP, XAMPP server, for the backend.

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INTRODUCTION

The purpose of developing a travel managing website is to provide information related to local or international tourists' destinations. When you are planning trips to where you are not familiar with, you may need to look into them. Travel sites are a platform to displace destination management companies that provides local travel services. You can reserve transportation, day tour services, restaurants, hotels, etc.

The motivation behind the creation of this website is that an effective travel website will make people activate the travel bug with vibrant imagery and vivid copy. Apart from serving as a trustworthy source of inspiration, a travel site also needs to give would-be travelers all the information they need to arrange their travel plans.

PROBLEM STATEMENT

Create a travel website in which the user can easily access a platform to cater to his/her travel needs. The places around Mangalore and Karkala should be easily accessible in the website.

The bus booking portal allows the user to search for a bus and reserve seats for the required date, from the destined starting place to a destination. The user can also choose from a list of buses, and specify the number of seats required.

After booking, the amount to be paid is displayed, along with the arrival time of the chosen bus. The seat numbers are also displayed accordingly.

An edit option allows the user to edit any of the above entered details, and the changes made are hence saved.

A delete option gives the user a chance to delete his booking, and all the fields would be deleted.

OBJECTIVES

- To create a website where a person can easily navigate through the places in and around Mangalore and Udupi.
- Website should be easy to navigate through various pages.
- We should be able to securely store user information in the database, preventing the loss of data.
- To easily update the details on the website.\
- To ensure that the website is compatible on all devices.
- To ensure that the bus booking portal runs efficiently within minimum errors.
- User friendly software with maximum efficiency.

HARDWARE / SOFTWARE Requirements

- **Hardware Requirements:**

Device with suitable RAM space.

- **Software Requirements:**

- Frontend:

HTML

CSS

JavaScript

Bootstrap

- Backend:

PHP

MySQL

- Others:

Sublime Text (Code Editor)

XAMPP (Web Server)

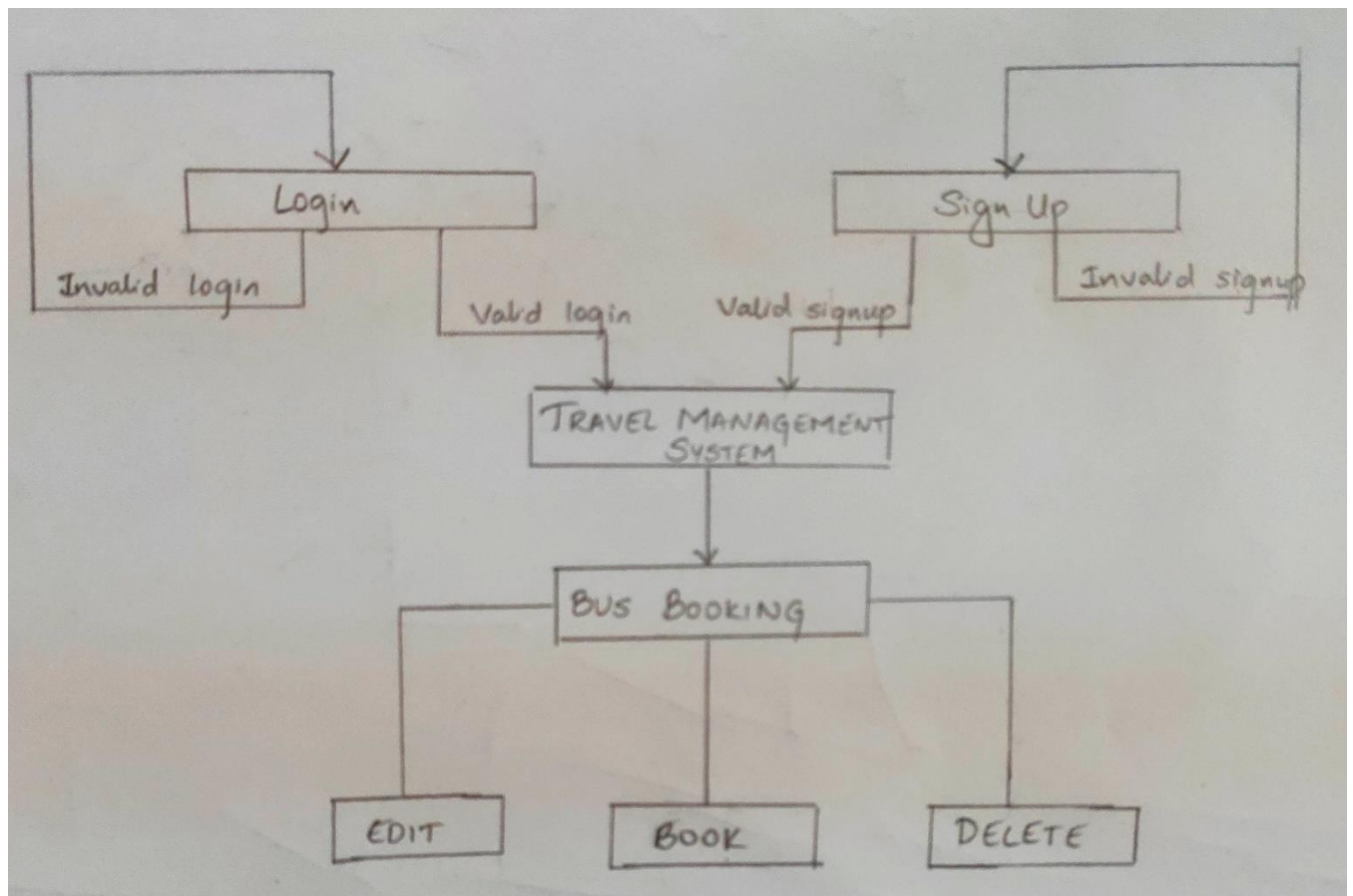
phpMyAdmin (Administration Tool)

METHODOLOGY

The above objectives are realised in the creation of 'Travel Management' website. As a result, HTML, CSS and Bootstrap are chosen to develop the frontend. Backend is developed using PHP. The backend database used to store the data is MySQL. MySQL queries are used for the retrieval and updating of data.

The frontend and backend of the website is connected using PHP. The system provides easy access to database for all types of data manipulations. Security of the database is ensured by the use of password, which allows only the system administrator the access privileges.

FLOWCHART:



IMPLEMENTATION

The set of tables is created using relational database for the identified entities at the design stage. The uniqueness of the data fields in these tables are established using primary keys, while the relationships are maintained using foreign keys.

The following software are to be installed to run the project:

1.Sublime Text Editor has to be downloaded and installed from <https://www.sublimetext.com/3>

2.XAMPP Server needs to be installed from <https://www.apachefriends.org/download.html> through following steps:

Step 1: Download

Step 2: Run .exe file

Step 3: Deactivate any antivirus software

Step 4: Deactivate UAC

Step 5: Start the setup wizard

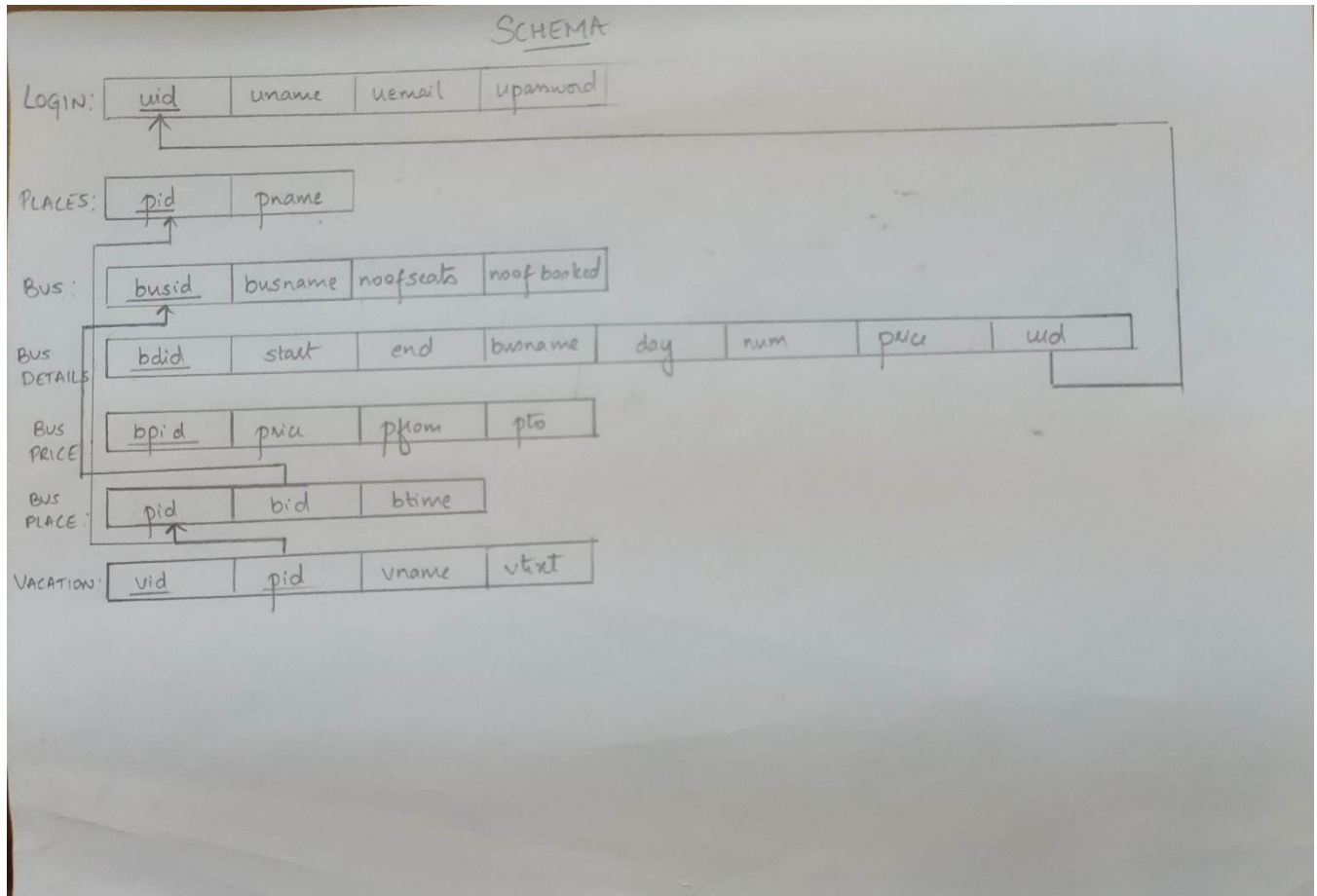
Step 6: Choose software components

Step 7: Choose the installation directory

Step 8: Start the installation process

Step 9: Windows Firewall blocking

Step 10: Complete installation



localhost / 127.0.0.1 / travelman... Travel — 100% Free Fully Respons... | +

localhost/phpmyadmin/sql.php?server=1&db=travelmanagement&table=busdetails&pos=0

Server: 127.0.0.1 • Database: travelmanagement • Table: busdetails

Showing rows 0 - 6 (7 total, Query took 0.1430 seconds)

SELECT * FROM 'busdetails'

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	bdid	start	end	busname	day	num	price	uid
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	87	Ladyhill	Kudremukh	Rajalakshmi	01/01/2022	3	90	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	88	Ladyhill	Mulki	Rajalakshmi	12/27/2021	4	240	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	89	Ladyhill	Surathkal	Rajalakshmi	01/08/2022	2	100	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	90	Ladyhill	Mulki	Avemaria	01/05/2022	3	180	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	91	Ladyhill	Karkala	Avemaria	01/06/2022	2	200	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	93	Kudremukh	Mangalore	Avemaria	12/29/2021	2	0	6
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	94	Ladyhill	Panambur	Jayashree	12/29/2021	3	120	8

Options: Check all | With selected: Edit Copy Delete Export

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations: Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Console

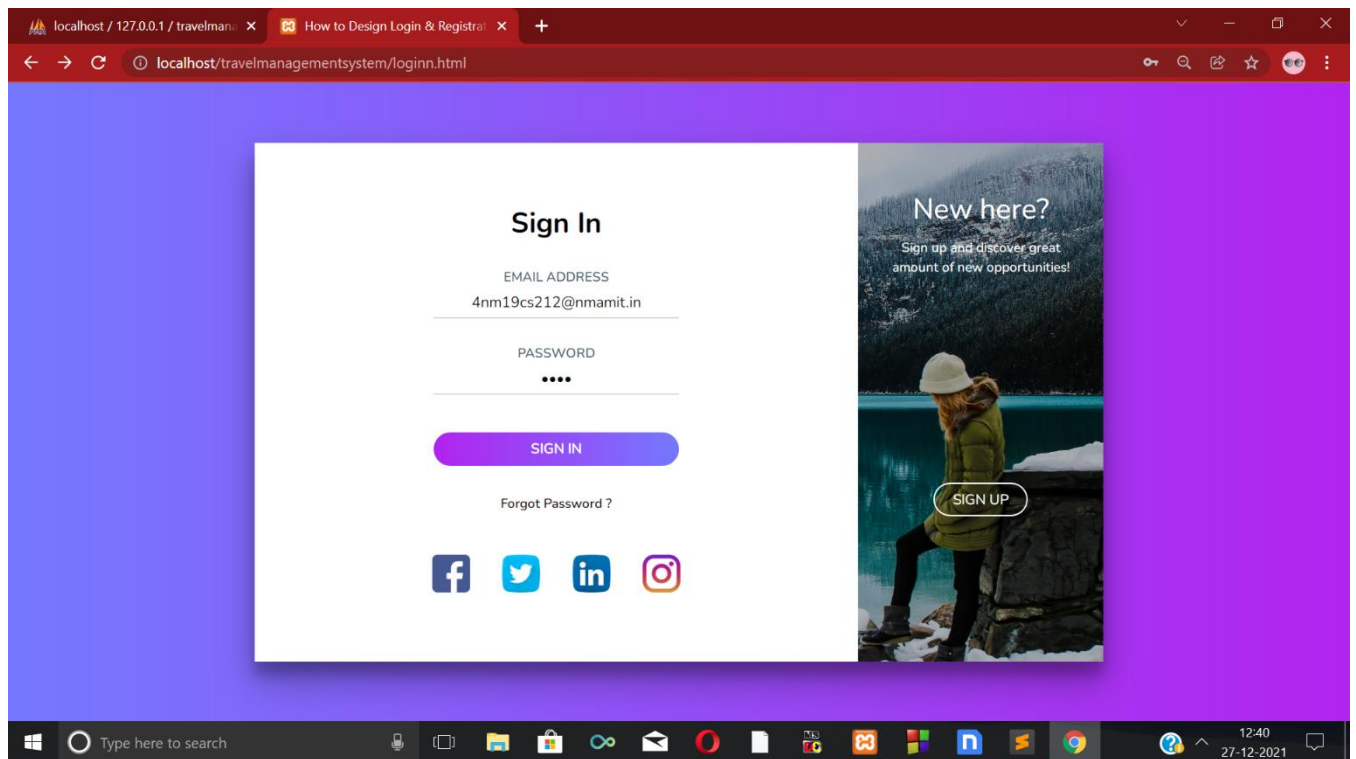
The screenshot shows the phpMyAdmin interface for a database named 'travelmanagement'. The left sidebar displays a tree view of databases, with 'travelmanagement' selected. The main panel shows the 'Structure' tab for the selected database. A table list is displayed with columns: Table, Action, Rows, Type, Collation, Size, and Overhead. Below the table list, there is a 'Create table' section with a 'Name' field and a 'Number of columns' field set to 4. The bottom of the interface shows a Windows taskbar with various application icons and a system clock indicating 12:40 on 27-12-2021.

Table	Action	Rows	Type	Collation	Size	Overhead
bus	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	32.0 K	18
busdetails	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	32.0 K	18
busplace	Browse Structure Search Insert Empty Drop	15	InnoDB	utf8mb4_general_ci	32.0 K	18
busprice	Browse Structure Search Insert Empty Drop	132	InnoDB	utf8mb4_general_ci	32.0 K	18
login	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	32.0 K	18
places	Browse Structure Search Insert Empty Drop	12	InnoDB	utf8mb4_general_ci	16.0 K	18
vacation	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 K	18
7 tables	Sum	182	InnoDB	utf8mb4_general_ci	192.0 K	0 B

RESULTS AND DISCUSSIONS

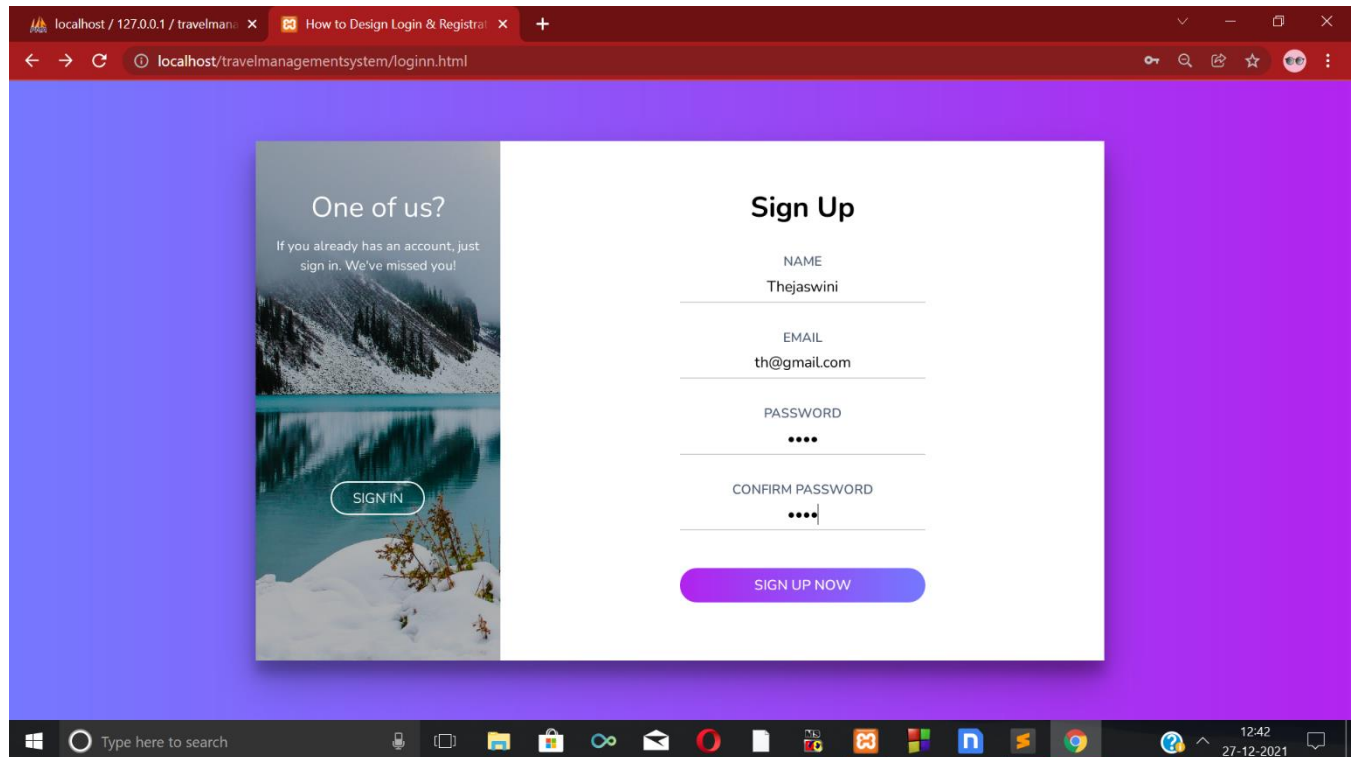
Login Page:

This is the login page of the website, and the first page of the web application. Entering correct credentials will enable the user to sign in to the website.



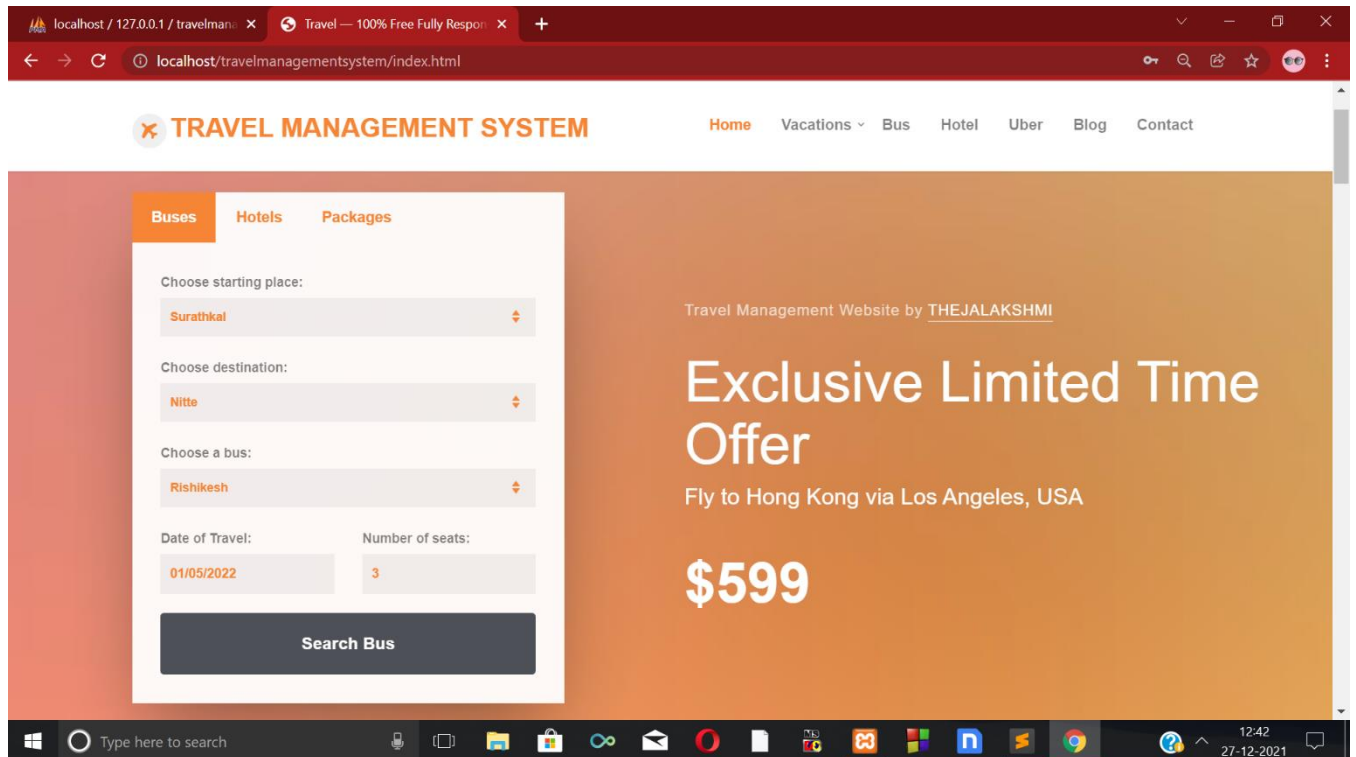
Sign up Page:

If the user is new, he/she can create a new account as shown below.

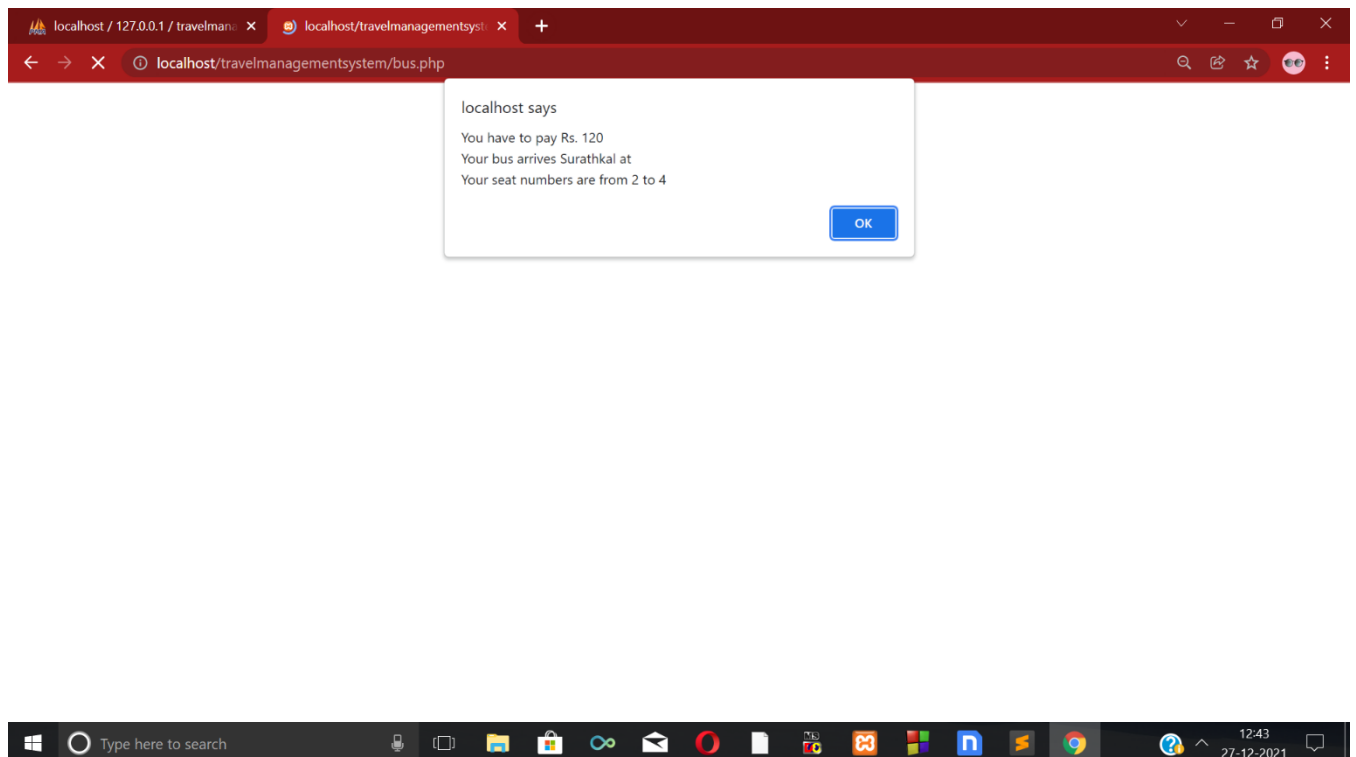


Bus booking Section:

The bus booking portal allows the user to search for a bus and reserve seats for the required date, from the destined starting place to a destination. The user can also choose from a list of buses, and specify the number of seats required.



After booking, the amount to be paid is displayed, along with the arrival time of the chosen bus. The seat numbers are also displayed accordingly.



Edit Section:

An edit option allows the user to edit any of the above entered details, and the changes made are hence saved.

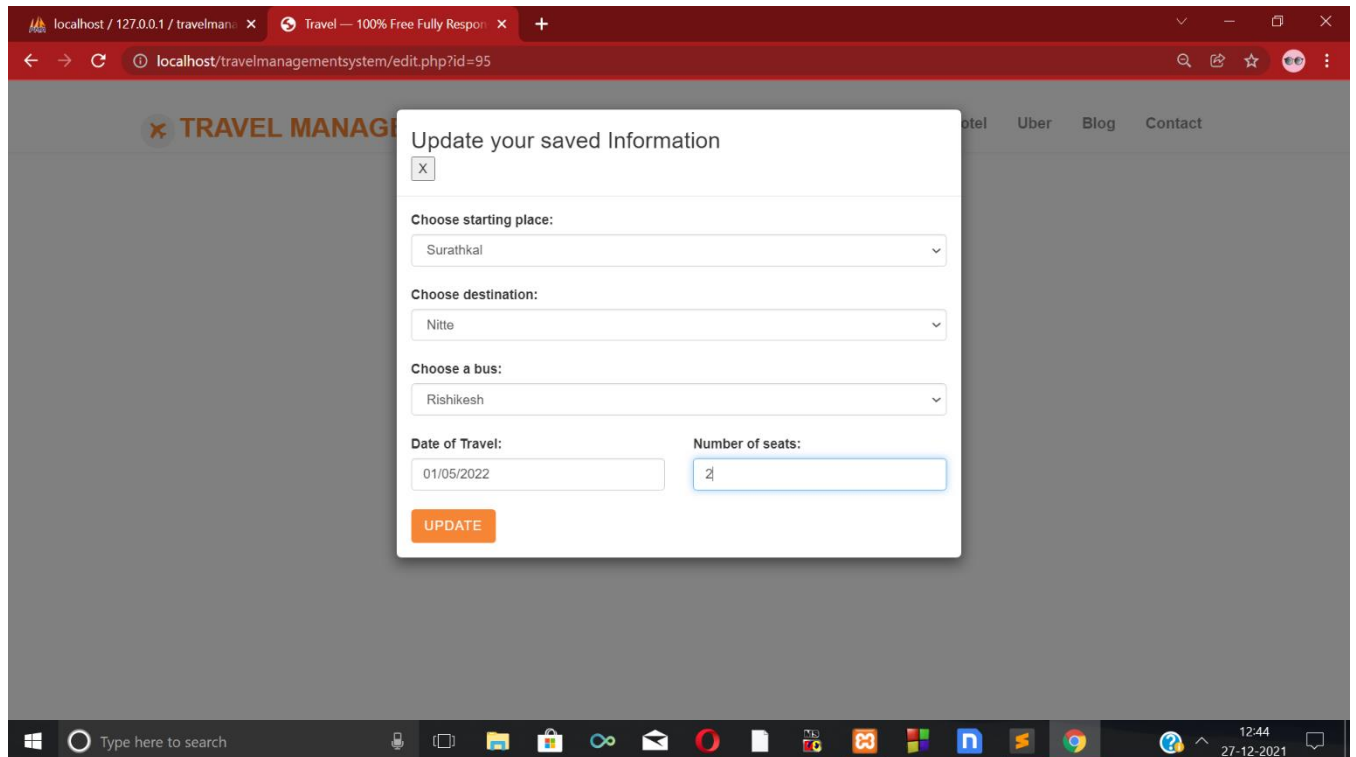
The screenshot displays the 'TRAVEL MANAGEMENT SYSTEM' web application. The top navigation bar includes links for Home, Vacations, Bus, Hotel, Uber, Blog, and Contact. The main content area features a large image of a person on a beach with the text 'PERFECT · HOLIDAYS'. Below the image are buttons for 'View', 'Edit or Delete Your registered data', and 'click view'.

The browser address bar shows the URL: `localhost/travelmanagementsystem/view.php`.

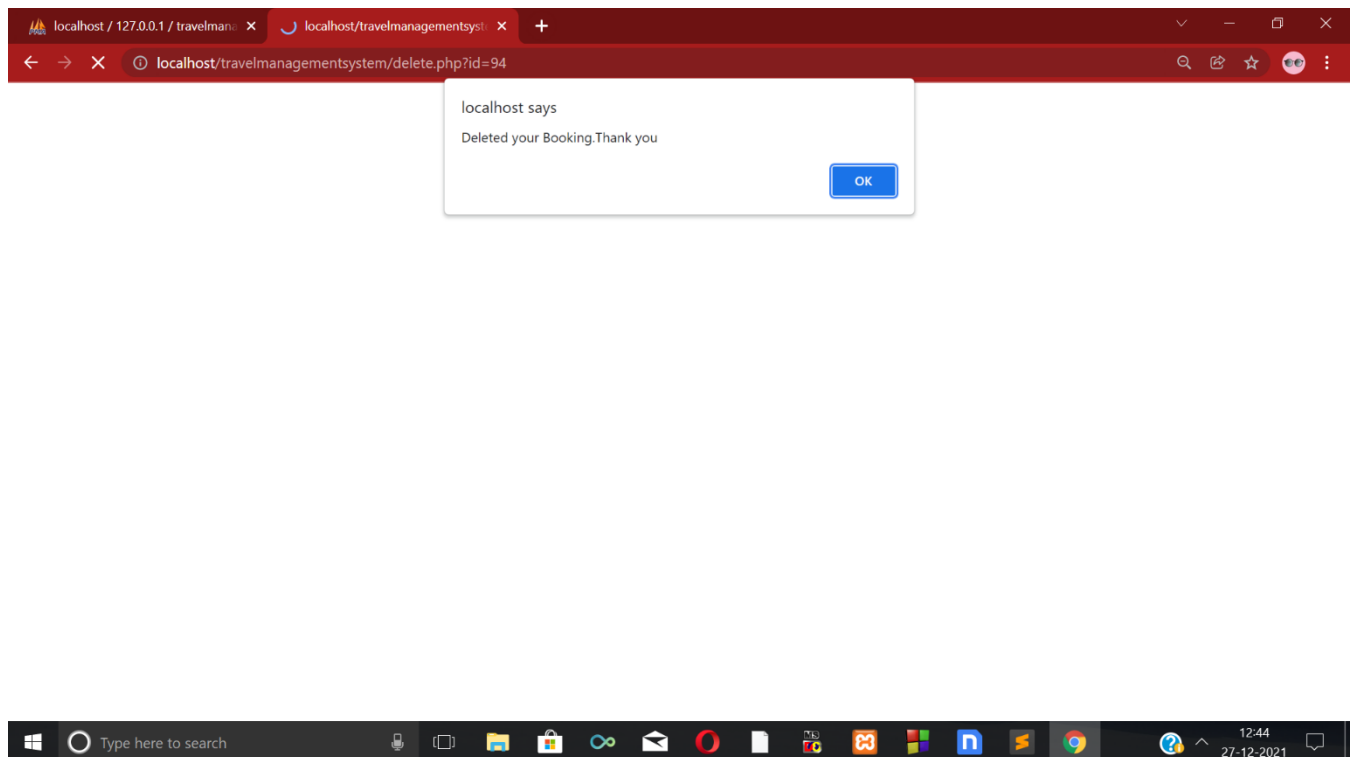
Below the main content, a table displays flight records:

Busname	Start	Distination	Date	Number	Price	Action
Jayashree	Ladyhill	Panambur	12/29/2021	3	120	Edit Delete
Rishikesh	Surathkal	Nitte	01/05/2022	3	120	Edit Delete

Below the table, a section titled 'Happy Clients' features three testimonials from John Doe, CEO of FREEHTML5.co, each with a quote and a button to 'click view'.

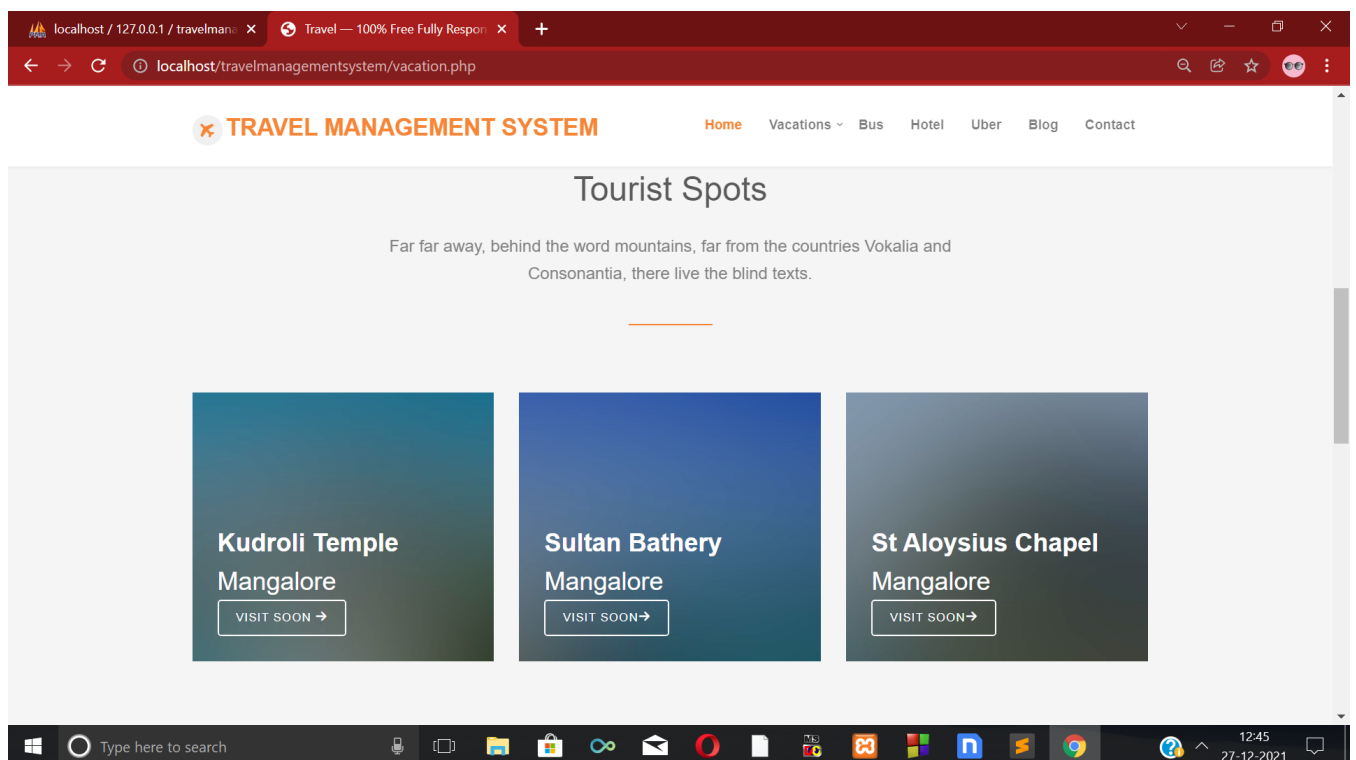
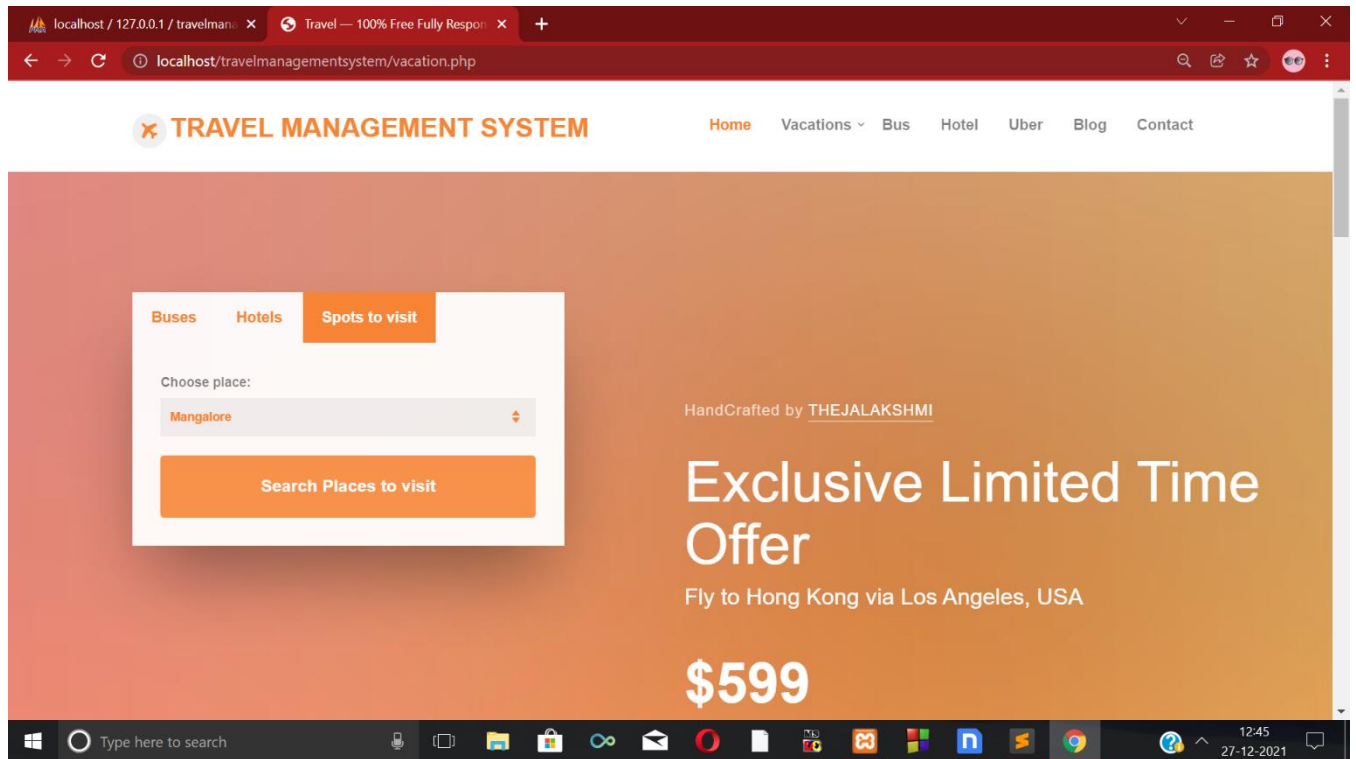


A delete option gives the user a chance to delete his booking, and all the fields would be deleted.



Places to visit:

'Travel Management System' has a section, where the tourism places in a particular area are displayed.



CONCLUSION AND FUTURE SCOPE

‘Travel Management System’ is a user-friendly website which allows the user to explore various places near Mangalore and Karkala. It has a bus booking portal which allows the user to search for a bus and reserve seats for the required date, from the destined starting place to a destination.

It also has a section, where the tourism places in a particular area are displayed.

We intend to add more features like lodge booking, which would further ease the process of visiting tourist attractions. We would also like to add more features that will make the website more advanced and responsive.

REFERENCES

- [1] BootstrapMade, <https://bootstrapmade.com>
- [2] Colorlib.com, <https://colorlib.com/wp/free-bootstrap-registration-forms/>
- [3] W3schools.com, <https://www.w3schools.com>