

Travlerzz

*A Project Report
Submitted in Partial Fulfilment of the
Requirements for the Award of the Degree of*

BACHELOR OF COMPUTER APPLICATION

BY

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JAIPUR EXT. – 302017
SP 2023

ACKNOWLEDGEMENT

We would like to express our thanks to our mentor Mr. Santosh Kumar Sharma. They have been of great help in our venture, and an indispensable resource of technical knowledge. They are truly an amazing mentor to have.

We are also thankful to our friends who devoted their valuable time and helped us in all possible ways towards successful completion of this project. We thank all those who have contributed either directly or indirectly towards this project.

Lastly, we would also like to thank our families for their unyielding love and encouragement.

They always wanted the best for us, and we admire their determination and sacrifice.

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DECLARATION

This is to certify that the work presented in this project entitled “Travlerzz : traveling website” in partial fulfilment of the requirement for the award of Degree of Bachelor's in Computer Application of Birla Institute of Technology Mesra, Ranchi is an authentic work carried out under my supervision and guidance. To the best of my knowledge, the content of this project does not form a basis for award of any previous Degree to anyone else.

Date:

Signature:

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INTRODUCTION

Welcome to our traveling website, your go-to destination for all things travel! We are a team of passionate travelers who understand the joys and challenges of exploring the world, and we are here to help you plan your next adventure.

Our website is designed to inspire and guide you as you plan your trip, whether you're seeking relaxation, adventure, or a little bit of both. With our comprehensive travel resources, you can easily search and book flights, accommodations, and activities that suit your budget and preferences.

We believe that travel is a transformative experience that enriches our lives and broadens our perspectives. That's why we are committed to providing you with the best possible travel experience, from start to finish. Our team of experienced travel experts is always available to offer personalized advice and recommendations, ensuring that every aspect of your trip is tailored to your needs and interests.

So whether you're planning a solo backpacking trip through Southeast Asia, a romantic getaway to a tropical paradise, or a family vacation to Disney World, we've got you covered. With our expert guidance and support, you can rest assured that your next travel adventure will be unforgettable..

REASON FOR THIS PROJECT

There are many reasons for a traveling website, but some of the main ones include:

To provide travelers with a centralized platform to search and book travel-related services, such as flights, hotels, car rentals, tours, and activities.

To offer expert advice and guidance to travelers, including recommendations on destinations, accommodations, activities, and travel itineraries.

To inspire and motivate travelers to explore new destinations and experiences, by providing engaging content, photos, and videos that showcase the beauty and diversity of the world.

To help travelers save time and money by offering exclusive deals, promotions, and packages that are not available elsewhere.

To facilitate communication and interaction between travelers, by providing forums, chat rooms, and social media channels where people can share their travel experiences, tips, and recommendations.

PROBLEM STATEMENT

The problem that our traveling website aims to address is the overwhelming and time-consuming process of planning and booking a trip. With so many travel options available, from flights and accommodations to activities and tours, it can be challenging for travelers to find the right information and make informed decisions. This can lead to frustration, confusion, and even disappointment when their travel plans don't live up to their expectations.

Furthermore, many travelers are concerned about the safety and security of their trip, especially in light of recent global events. They may also struggle to find reliable and up-to-date information about travel restrictions, health and safety measures, and other travel-related issues.

Our traveling website aims to solve these problems by providing travelers with a comprehensive platform where they can easily search and book travel-related services, get expert advice and recommendations, and stay informed about the latest travel news and updates. We also prioritize safety and security by partnering with reputable and trustworthy travel providers and ensuring that our website is secure and up-to-date with the latest travel information. By doing so, we aim to make travel planning and booking simpler, safer, and more enjoyable for travelers around the world..

AIMS AND OBJECTIVE

The aim of our traveling website is to provide a seamless and comprehensive travel planning and booking experience for travelers around the world. We aim to be a one-stop-shop for all travel-related needs, offering a wide range of travel options, expert advice and guidance, and up-to-date information on travel news and updates.

Our objectives are as follows:

To provide travelers with a user-friendly platform where they can easily search and book flights, accommodations, car rentals, tours, and activities.

To offer personalized advice and recommendations to help travelers plan their trips based on their interests, preferences, and budget.

To prioritize safety and security by partnering with reputable and trustworthy travel providers and ensuring that our website is secure and up-to-date with the latest travel information.

To inspire and motivate travelers to explore new destinations and experiences, by providing engaging content, photos, and videos that showcase the beauty and diversity of the world.

To foster a community of travelers who can share their experiences, tips, and recommendations with one another, and who can engage in meaningful discussions about travel-related topics.

SCOPE

The scope for a traveling website is vast and diverse, as it caters to a wide range of travelers with different needs and preferences. Some of the key areas that a traveling website can cover include:

Destination information: Travelers are always on the lookout for information on destinations they want to visit. A traveling website can provide in-depth information on popular destinations, including recommendations on where to stay, what to do, and what to see.

Flight and accommodation booking: One of the primary functions of a traveling website is to allow travelers to book flights and accommodations. This can be done through partnerships with airlines and hotels or through integration with online travel agencies.

Tours and activities: Travelers are always looking for unique and memorable experiences, such as local tours, cultural experiences, adventure activities, and more. A traveling website can offer a wide range of tours and activities, allowing travelers to easily book and plan their itineraries.

Travel insurance: Many travelers are concerned about unexpected events that may occur during their trip, such as medical emergencies or trip cancellations. A traveling website can offer travel insurance options to help provide peace of mind to travelers.

Travel advice and tips: A traveling website can provide expert advice and tips on various aspects of travel, including packing, budgeting, safety, and more. This can help travelers prepare for their trip and make the most of their experience..

FUNCTIONAL REQUIREMENTS

functional requirements for a traveling website:

User registration and login: The website should allow users to create an account and log in securely using their email address or social media account.

Search and booking functionality: The website should allow users to search for flights, hotels, car rentals, tours, and activities based on their preferences and budget, and provide a seamless booking experience.

Payment gateway integration: The website should allow users to make secure online payments for their bookings using a payment gateway, such as PayPal or Stripe.

Personalized recommendations: The website should use data analytics and user behavior to provide personalized recommendations on destinations, accommodations, and activities based on user preferences.

Reviews and ratings: The website should allow users to leave reviews and ratings of their experiences, including accommodations, activities, and tours, to help other users make informed decisions.

Travel itinerary planning: The website should allow users to plan their travel itineraries, including flights, accommodations, and activities, and save them for future reference.

Travel alerts and notifications: The website should provide users with real-time alerts and notifications regarding their travel plans, such as flight delays or cancellations.

Multilingual support: The website should support multiple languages to cater to users from different countries and regions.

Mobile optimization: The website should be optimized for mobile devices to provide a seamless user experience on smartphones and tablets.

Customer support: The website should provide customer support, including a help center, FAQs, and live chat or email support, to help users with any issues they may encounter.

NON-FUNCTIONAL REQUIREMENTS

non-functional requirements for a traveling website:

Performance: The website should have fast load times and be able to handle a large number of concurrent users without any issues. This can be achieved through effective caching, load balancing, and content delivery networks (CDNs).

Security: The website should be secure and protect users' personal information and payment details. This can be achieved through SSL/TLS encryption, two-factor authentication, and compliance with industry standards such as the Payment Card Industry Data Security Standard (PCI DSS).

Scalability: The website should be scalable and able to handle an increase in traffic and demand as the user base grows. This can be achieved through the use of cloud computing and auto-scaling technologies.

Accessibility: The website should be accessible to users with disabilities, including those who are visually impaired or have mobility issues. This can be achieved through compliance with the Web Content Accessibility Guidelines (WCAG).

Usability: The website should be easy to use and navigate, with clear and concise content and intuitive design. This can be achieved through user testing and user experience (UX) design best practices.

Reliability: The website should be reliable and available 24/7, with minimal downtime or outages. This can be achieved through effective monitoring, automated failover, and disaster recovery strategies.

Compliance: The website should comply with relevant laws and regulations, such as data protection and privacy laws, as well as industry standards and best practices.

HOW GROW-UP WORKS

FUTURE SCOPE

potential future developments and opportunities for a traveling website:

Artificial intelligence (AI) and machine learning: AI and machine learning can be used to provide personalized recommendations and travel itineraries based on user preferences and behavior. This can improve the user experience and increase customer satisfaction.

Augmented and virtual reality: Augmented and virtual reality technologies can be used to provide immersive experiences of travel destinations and activities, allowing users to preview and plan their trips in a more interactive and engaging way.

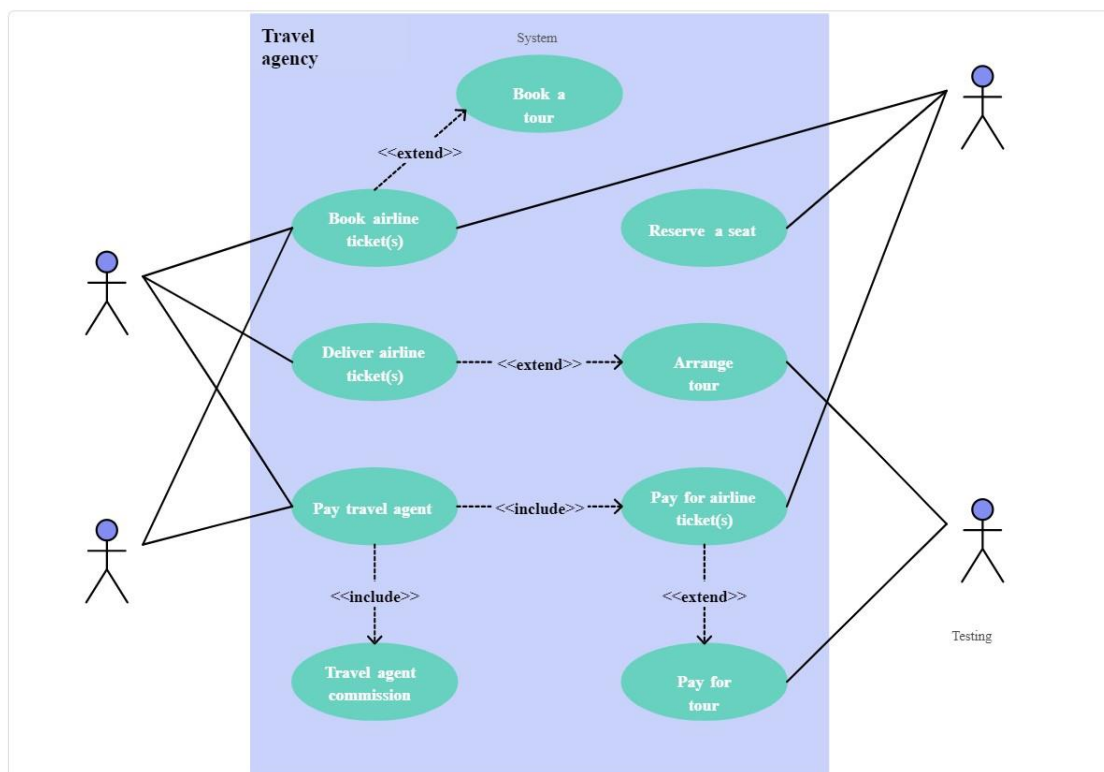
Blockchain: Blockchain technology can be used to improve the security and transparency of transactions, as well as enable loyalty programs and other innovative travel-related applications.

Sustainable and eco-friendly travel: With an increasing focus on sustainability and environmental responsibility, a traveling website can provide information and options for sustainable and eco-friendly travel, including accommodations, transportation, and activities.

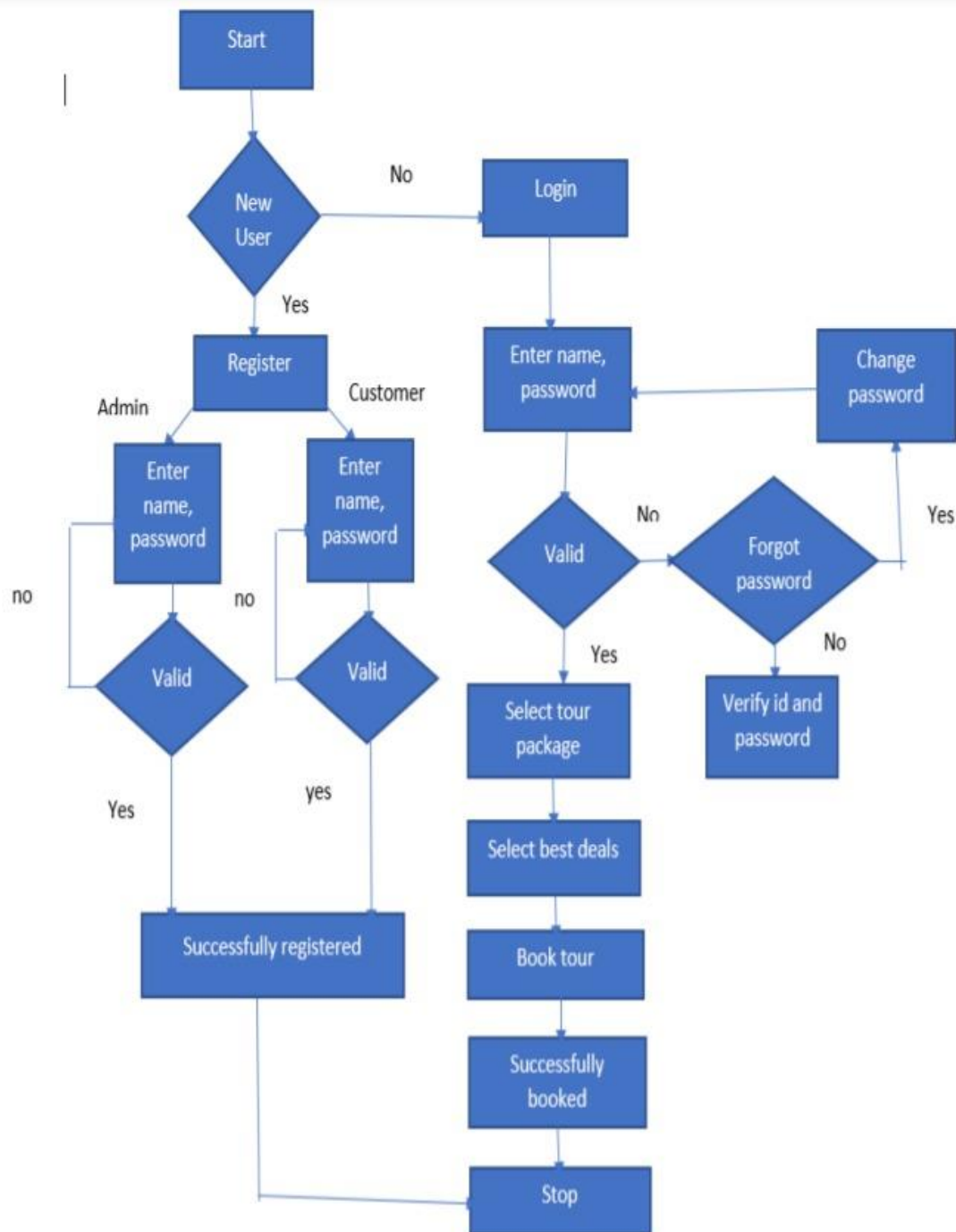
Integration with social media and influencers: Social media and influencers play an important role in shaping travel trends and consumer behavior. A traveling website can leverage these channels to provide a more engaging and interactive user experience, as well as promote destinations, accommodations, and activities through influencer partnerships.

ENTITY RELATIONSHIP DIAGRAM

USE CASE DIAGRAM



WORK FLOW DIAGRAM



WEB-DEVELOPMENT

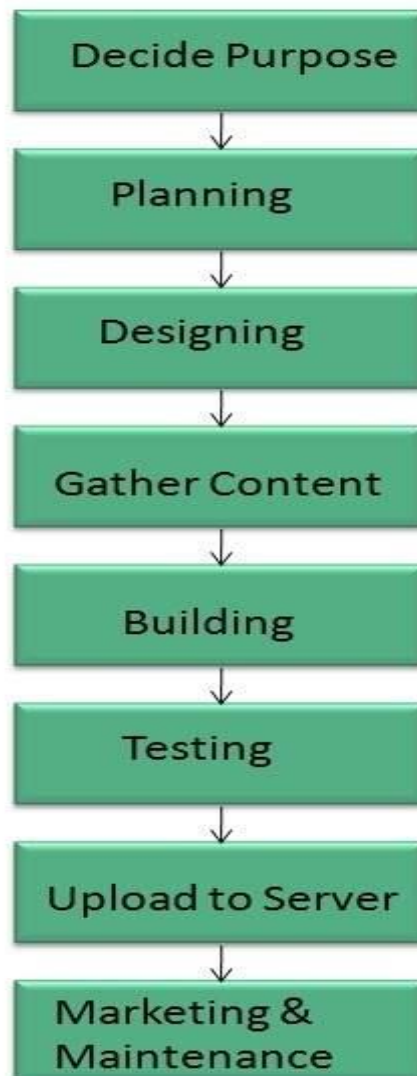
Web development refers to the building, creating, and maintaining of websites. It includes aspects such as web design, web publishing, web programming, and database management. It is the creation of an application that works over the internet i.e., websites.

The word Web Development is made up of two words, that is:

1.) Web: It refers to websites, web pages or anything that works over the internet.

2.) Development: Building the application from scratch.

Web development process includes all the steps that are good to take to build an attractive, effective, and responsive website.



WEBSITE:-

A website is a collection of publicly accessible, interlinked Web pages that share a single domain name. Websites can be created and maintained by an individual, group, business or organization to serve a variety of purposes.

Together, all publicly accessible websites constitute the World Wide Web.

Although it is sometimes called “web page,” this definition is wrong, since a website consists of several webpages. A website is also known as a “web presence” or simply “site”.

WEBPAGE:-

Web page is a document available on world wide web. Web Pages is stored on web server and can be viewed using a web browser.

A web page can contain huge information including text, graphics, audio, video and hyperlinks. These hyperlinks are the link to other web pages.

Collection of linked web pages on a web server is known as website. There is unique Uniform Resource Locator (URL) is associated with each web page.

TECHNOLOGY USED

Hypertext Markup Language (HTML)- is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML documents from a webserver or from local storage and render them into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images, and other objects, such as interactive forms, may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.

Cascading Style Sheets (CSS) -is a style sheet language used for describing the presentation of a document written in a markup language. Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is applicable to rendering in speech, or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications, and user interfaces for many mobile applications. CSS is designed primarily to enable the separation of presentation and content, including aspects such as the layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple HTML pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

JavaScript - often abbreviated as "JS". is a high-level, dynamic, untyped, and interpreted run-time language. It has been standardized in the ECMAScript language specification. Alongside HTML and CSS, JavaScript is one of the three core technologies of World Wide Web content production; the majority of websites employ it, and all modern Web browsers support it without the need for plug-ins. JavaScript is prototype-based with first-class functions, making it a multi-paradigm language, supporting object-oriented, imperative, and functional programming styles. It has an API for working with text, arrays, dates, and regular expressions, but does not include any I/O, such as networking, storage, or graphics facilities, relying for these upon the host environment in which it is embedded.

PHP- is a server-side scripting language designed primarily for web development but also used as a general-purpose programming language. Originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Development Team. PHP originally stood for Personal Home Page, but it now stands for the recursive acronym PHP: Hypertext Pre-processor. PHP code may be embedded into HTML or HTML5 markup, or it can be used in combination with various web template systems, web content management systems and web frameworks, PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a Common Gateway Interface (CGI) executable. The web server software combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP code may also be executed with command-line interface (CLI) and can be used to implement standalone graphical applications.

MySQL- is a relational database management system (RDBMS) that runs as a server providing multi-user access to several databases. MySQL is officially pronounced ("My S-Q-L"), but is often pronounced ("My Sequel"). It is named for original developer Michael Widenius's daughter My. The MySQL. development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL is owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Sun Microsystems, a subsidiary of Oracle Corporation.

REACT-React is a free and open-source front-end JavaScript library for building user interfaces based on components. It is maintained by Meta and a community of individual developers and companies. React can be used to develop single-page, mobile, or server-rendered applications with frameworks like Next.js

SOFTWARE USED

Visual Studio- also known as Microsoft Visual Studio and VS, is an integrated development environment for Microsoft Windows. It is a tool for writing computer programs, websites, web apps, and web services. It includes a code editor, debugger, GUI design tool, and database schema designer, and supports most major revision control systems. It is available in both a free "Community" edition and a paid commercial version.



XAMPP- is a free and open-source cross platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing and deployment purposes. Everything needed to set up a web server - server application (Apache), database (MariaDB), and scripting language (PHP) - is included in an extractable file. XAMPP is also cross-platform, which means it works equally well on Linux, Mac, and Windows. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server extremely easy as well.



TESTING

LOGIN/SIGNUP FORM

Sign In

f

G

in

or use your account

Email

Password

[Forgot Your Password](#)

SIGN IN

Hello, Friend!

Enter your details and start journey with us

SIGN UP

Code

index.js

```
import React from 'react'; import
ReactDOM from 'react-dom/client';
import './index.css'; import App from
'./App';

import reportWebVitals from './reportWebVitals';
import { BrowserRouter } from 'react-router-
dom';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <BrowserRouter>
    <App />
  </BrowserRouter>
);

// If you want to start measuring performance in your app, pass a
function
// to log results (for example:
reportWebVitals(console.log)) //
```

APP.js

```
// import logo from './logo.svg';
import './App.css';
import { Route, Routes } from "react-router-
dom" import Navbar from
```

```
 './Components/Navbar'; import Home from
 './Routes/Home'; import About from
 './Routes/About'; import Services from
 './Routes/Services'; import Contact from
 './Routes/Contact'; import Signup from
 './Routes/Signup';
// import Register from './Routes/Register';
// import {MenuItems} from './Components/MenuItems'
```

```
function App() {
  return (
    <div className="App">
      <Routes>
        <Route path = "/" element = {<Home/>}/>
        <Route path = "/about" element = {<About/>}/>
        <Route path = "/about" element = {<About/>}/>
        <Route path = "/services" element = {<Services/>}/>
        <Route path = "/contact" element = {<Contact/>}/>
        <Route path = "/signup" element = {<Signup/>}/>
      </Routes>

      <Navbar/>
    </div>
  );
}
```

```
export default App;
```


DETAIL PACKAGE

```
import Navbar from "../components/Navbar"
```

```
import Footer from "../components/Footer"
```

```
const DetailPackage = () => {
```

```
  return <>
```

```
    <Header />
```

```
    <main class="container" style={{ marginTop: "120px" }}>
```

```
    <section class="detail">
```

```
      <div class="detail__card card">
```

```
        
```

```
      <div class="detail__card-img-list">
```

```
        
```

```
        
```

```
        
    
</div>
<div class="detail__card-data">
    <div class="detail__card-title">
        <h4>Description</h4>
        <h5>Rs10000 <span>/ 4D3N</span></h5>
    </div>
    <p class="detail__card-description">
        There are many variations of passages of Lorem Ipsum available,
        but the majority have suffered alteration in some form, by
        injected humour, or an omised words which don't look even slightly
        believable. If you are goingse a passage of Lorem Ipsum, you need
        to be sure there isn't anything emba rrassing. Variations of
        passages of lorem Ipsum available but the majority have suffered
        alteration in some form,
    </p>
</div>
</div>
<div class="detail__form card">
    <h4 class="detail__form-title">Book Now</h4>
    <form action="">
        <div class="form__group">
            <input

```

```

        class="form__group-input"
        type="text"
        placeholder="Enter your name"
    />
</div>
<div class="form__group">
    <input
        class="form__group-input"
        type="email"
        placeholder="Enter your email"
    />
</div>
<div class="form__group">
    <label for="from">FROM : </label>
    <input
        class="form__group-input"
        type="date" id="from" name="from"
    />
</div>
<div class="form__group">
    <label for="from">TO : </label>
    <input
        class="form__group-input"
        type="date" id="to" name="to"
    />
</div>
<div class="form__group">
    <button class="button button-detail">Submit</button>
</div>

```

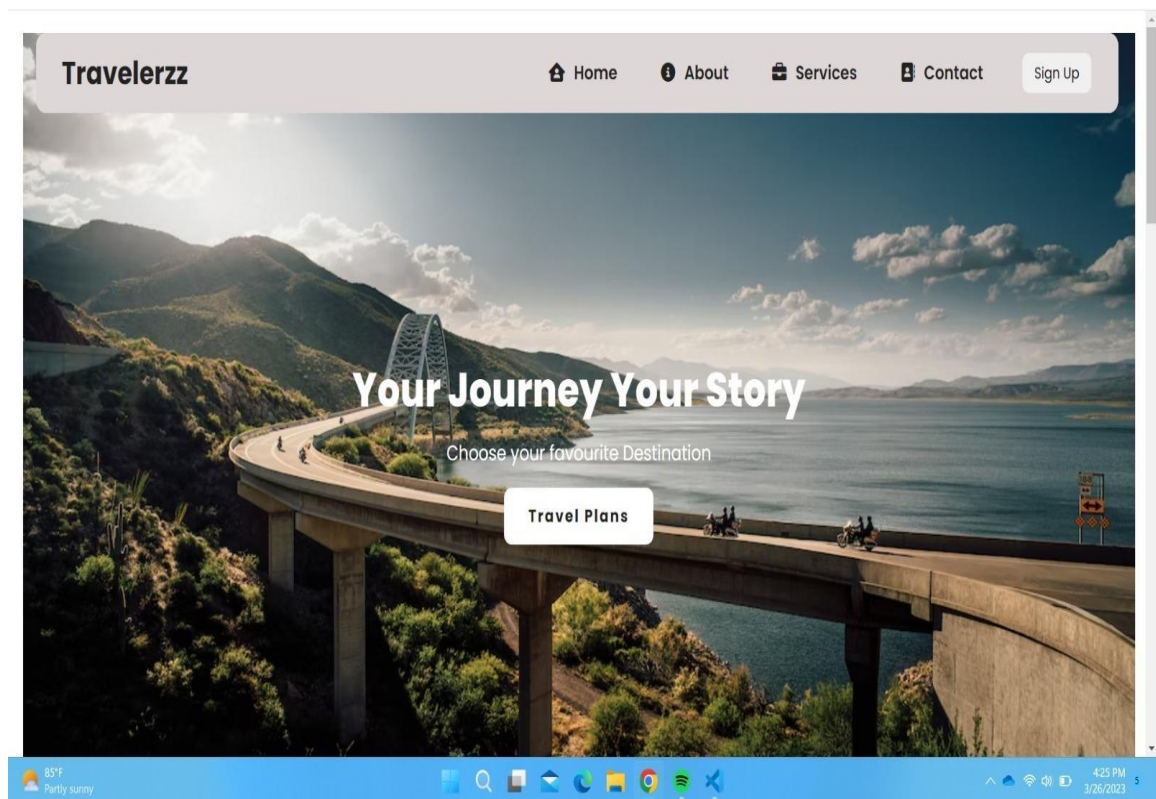
```

    </form>
  </div>
</section>
</main>
  <Footer />
</>
}

```

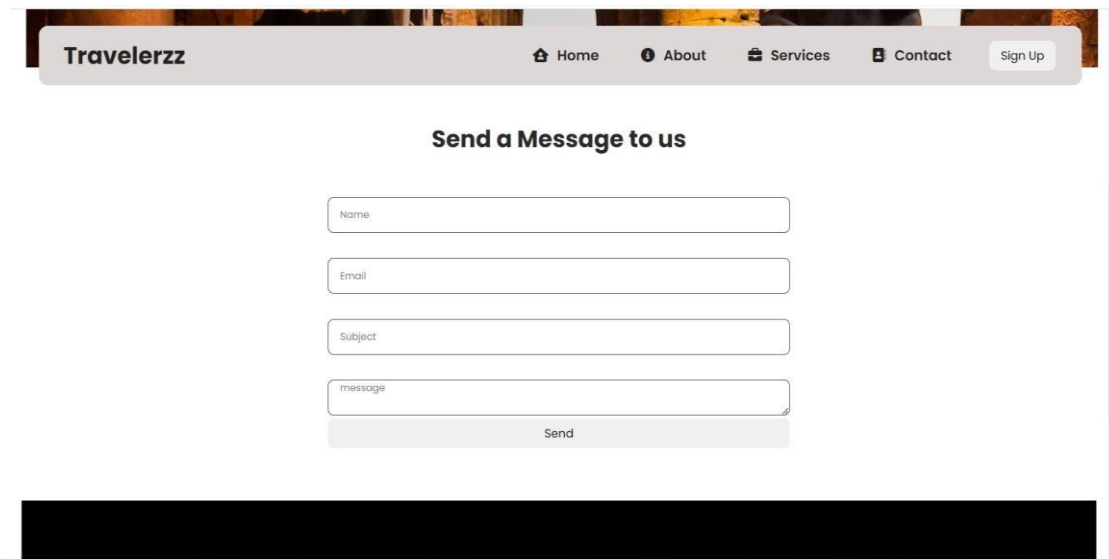
```
export default DetailPackage;
```

SCREENSHOTS

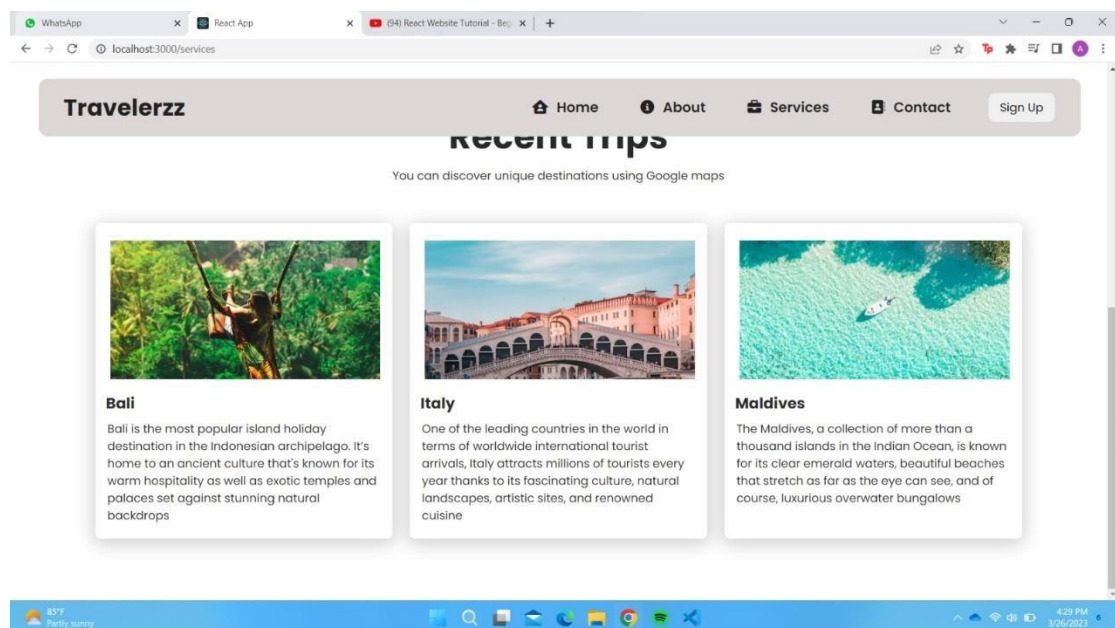


Home page

Inquiry/Lead generation page

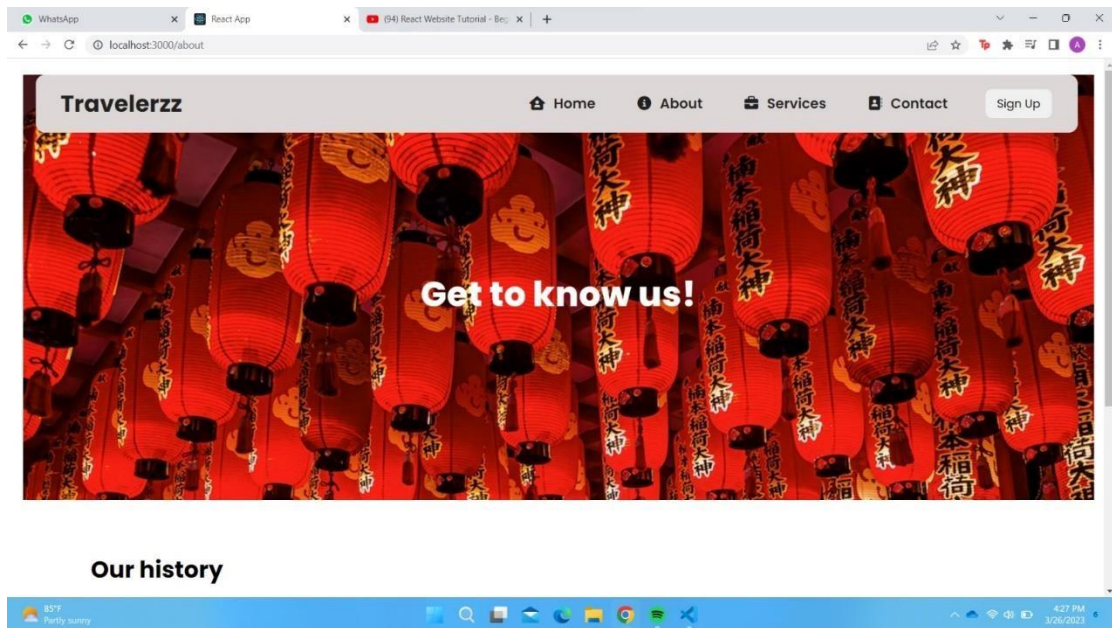
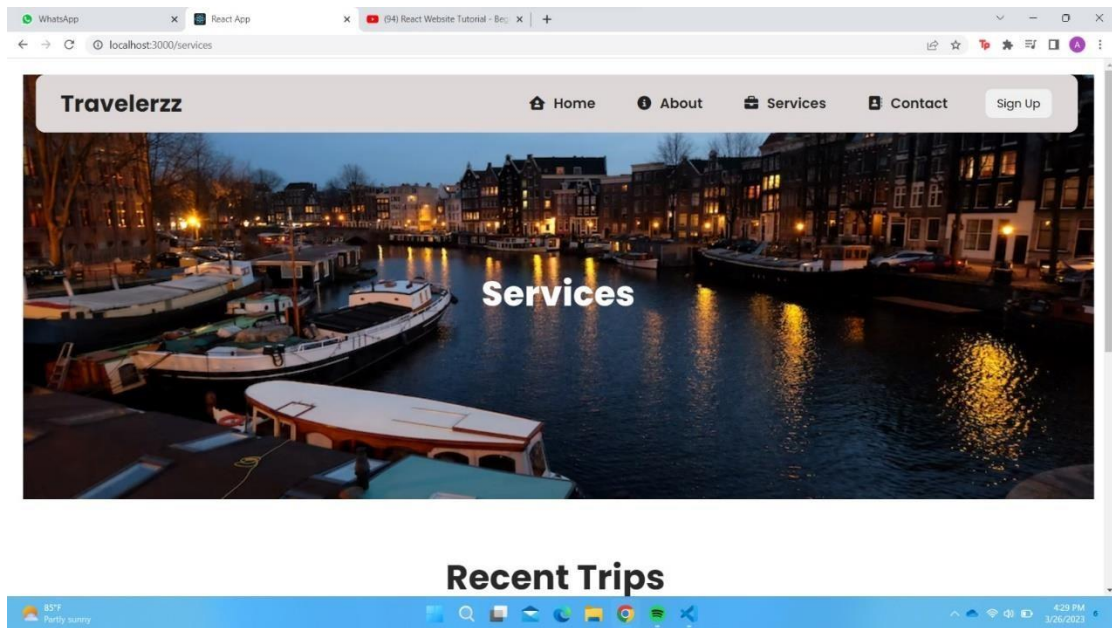


The screenshot shows the 'Travelerzz' website's inquiry form. The header includes the brand name 'Travelerzz' and navigation links for Home, About, Services, and Contact, along with a 'Sign Up' button. The main heading is 'Send a Message to us'. Below this, there are four input fields: 'Name', 'Email', 'Subject', and 'message'. A 'Send' button is positioned at the bottom of the form. The bottom of the page is obscured by a black bar.



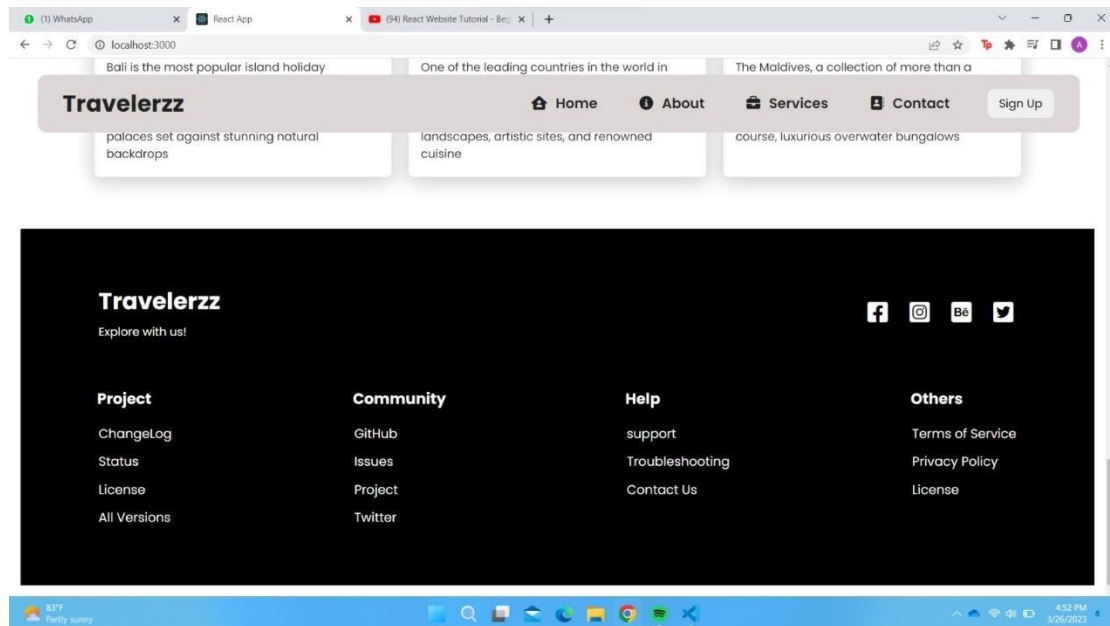
Recent trip page

Services page



ABOUT US

FOOTER



.BIBLIOGRAPHY

Buhalis, D. (2016). Technology in tourism-from information communication technologies to eTourism and smart tourism towards ambient intelligence tourism: A perspective article. *Tourism Review*, 71(1), 1-22.

Gretzel, U., Sigala, M., Xiang, Z., & Koo, C. (2015). Smart tourism: foundations and developments. *Electronic Markets*, 25(3), 179-188.

