MIT Art, Design and Technology University
MIT School of Computing, Pune

Department of Information Technology

SUBJECT – FULL STACK FRONT END DEVELOPMENT

COURSE CODE – 23IT3001

Class – T.Y. SMAD

Name of Student

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Under the Guidance of

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Assignment 1 : React Project Setup and Navigation

Aim :

To create a React project using *create-react-app* (or Vite), set up routing using *react-router-dom*, and build a top navigation bar with links to different pages such as **Home**,**Book**,**Book,Destination,About,Login**, and **Profile**.

Theory :

- **Introduction to React**

  React is an open-source JavaScript library developed by Facebook for building fast, interactive user interfaces. It is mainly used to create Single Page Applications (SPAs) where only parts of the page update dynamically, without full reloads.

  React follows a component-based architecture, where the user interface is broken down into reusable components. Each component manages its own logic and rendering, making development more modular and maintainable.

  React uses a Virtual DOM to optimize rendering. Instead of updating the entire webpage, it compares changes in a virtual copy of the DOM and updates only the affected elements. This makes applications faster and more efficient.

- **React Project Setup**

  React Project Setup

  To quickly set up a React environment, we can use either:

  create-react-app, or

  Vite (a modern, faster alternative)

  These tools automatically configure Webpack, Babel, and development servers for us.

  Commands:

  npm create vite@latest my-app
  cd my-app
  npm install
  npm run dev

This will generate the folder structure and start the development server.

- **React Router and Single Page Applications (SPA)**

  In traditional websites, each link click results in a new page request to the server. React, however, uses Single Page Application (SPA) architecture, where only one HTML page is loaded, and the content changes dynamically using JavaScript.
  To handle multiple views or pages within an SPA, React developers use a library called react-router-dom.
  React Router enables navigation between different components in the application without refreshing the page. It provides components like

- **React Router and Single Page Applications (SPA)**

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  To handle multiple views or pages within an SPA, React developers use a library called react-router- dom.
  React Router enables navigation between different components in the application without refreshing the page. It provides components like.

  1. BrowserRouter: Wraps the whole application and keeps the UI in sync with the URL.
  2. Routes and Route: Define which component should render for a specific path.
  3. Link and NavLink: Used to navigate between pages without reloading.

- **Navigation Bar (Navbar**

  A Navigation Bar is an essential user interface element that allows users to move between different sections of the application easily.

  In a React application, the navigation bar is typically created as a separate reusable component. It includes several navigation links (using the Link component from React Router) that point to different routes defined in the application.

  Features of a Good Navigation Bar:

  1. It is consistent across all pages.

  2. It provides clear and visible links to major sections.

  3. It is responsive, meaning it adjusts to different screen sizes.

  4. It often includes a brand logo or title on the left and menu options on the right.

- **Components and Routing Structure**

  In a React project, each webpage or screen is generally represented as a component. Examples of such

components include Home, Products, Cart, Checkout, and Profile. Each of these components is connected using React Router routes.

When the user clicks a link in the navigation bar, the URL changes and the corresponding component is rendered — all without reloading the page.

This creates a smooth and seamless navigation experience for the user.

- **Working of Navigation in React**

1. The application is wrapped inside a **Router**.
2. Each page or screen is defined as a **Route**.
3. The **Navbar component** contains clickable links to these routes.
4. When a link is clicked, React Router intercepts the navigation event and updates the view accordingly.
5. The **current component** associated with the selected route is displayed dynamically.

This approach provides faster navigation, better user experience, and efficient content loading.

- **Advantages of Using React Router and Navigation**

1. Improved User Experience: Page transitions are instant without full reloads.
2. SEO Friendly: Routes can be defined clearly with specific URLs.
3. Component-Based Organization: Each route corresponds to a specific component, making maintenance easier.
4. Scalability: New pages and routes can be added easily as the application grows.
5. Performance: Navigation happens on the client-side, reducing server load.

Code:

```
npm install

react-router-

dom

bootstrap
```

Main.jsx

```
import React from "react";
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";
import "bootstrap/dist/css/bootstrap.min.css";
import
"bootstrap/dist/js/bootstrap.bundle.min.js";

ReactDOM.createRoot(document.getElementById
("root")).render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```

App.jsx

```
import { BrowserRouter as Router, Routes,

Route } from "react-router-dom";
```

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

import Home from "./pages/Home";
import About from "./pages/About";
import Contact from "./pages/Contact";
import Products from "./pages/Products";
import Login from "./pages/Login";
import Signup from "./pages/Signup";

function App() {
 return (
  <Router>
   <div className="d-flex flex-column
min-vh-100">
    <Navbar />
    <main className="flex-grow-1 mt-
5">
     <Routes>
      <Route path="/" element={<Home
/>} />
      <Route path="/about"
element={<About />} />
      <Route path="/contact"
element={<Contact />} />
      <Route path="/products"
element={<Products />} />
      <Route path="/login"
element={<Login />} />
      <Route path="/signup"
element={<Signup />} />
     </Routes>
    </main>
    <Footer />
   </div>
  </Router>
 );
}

export default App;
```

Navbar.jsx

```
import { BrowserRouter as Router, Routes, Route }
from "react-router-dom";
import Navbar from "./components/Navbar";
import Footer from "./components/Footer";

import Home from "./pages/Home";
import About from "./pages/About";
import Contact from "./pages/Contact";
import Products from "./pages/Products";
import Login from "./pages/Login";
import Signup from "./pages/Signup";
```

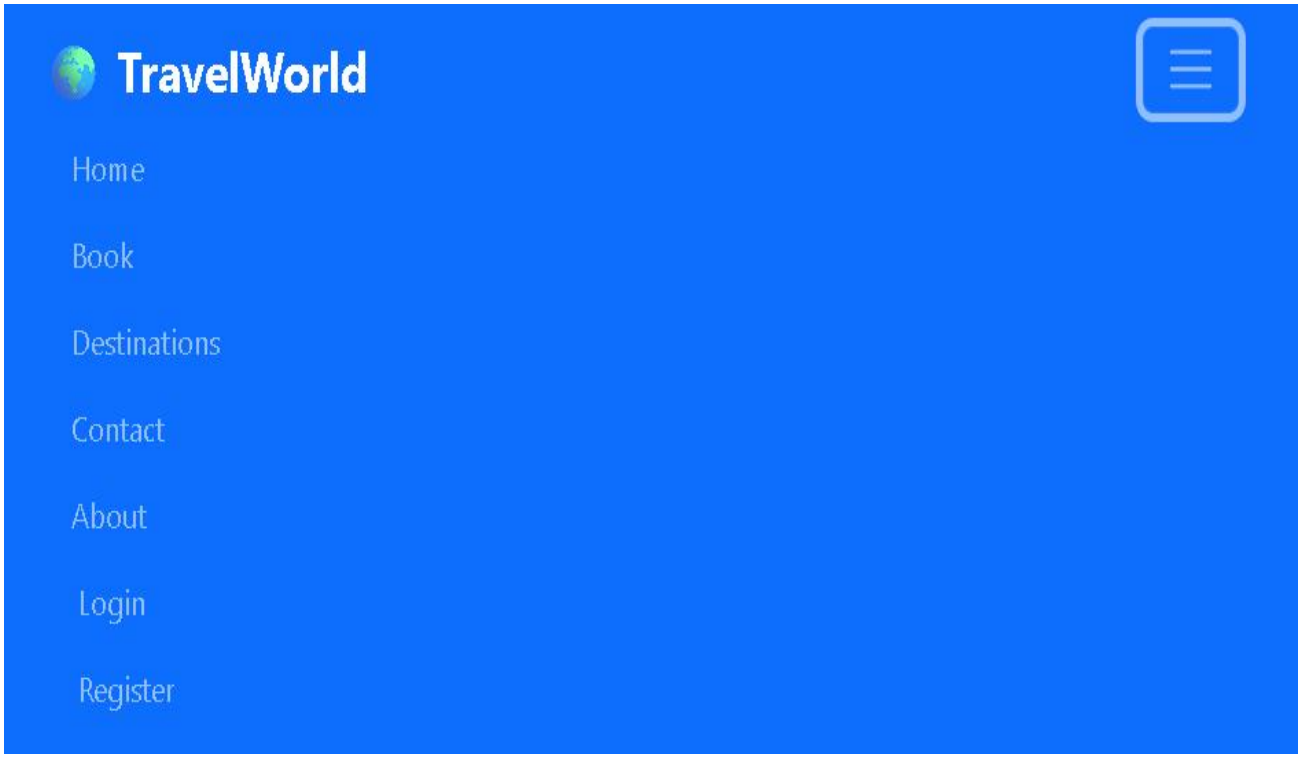
```
function App() {
  return (
    <Router>
      <div className="d-flex flex-column min-vh-
100">
        <Navbar />
        <main className="flex-grow-1 mt-5">
          <Routes>
            <Route path="/" element={<Home />} />
            <Route path="/about" element={<About />}
/>
            <Route path="/contact" element={<Contact
/>} />
            <Route path="/products"
element={<Products />} />
            <Route path="/login" element={<Login />}
/>
            <Route path="/signup" element={<Signup
/>} />
          </Routes>
        </main>
        <Footer />
      </div>
    </Router>
  );
}

export default App;
```

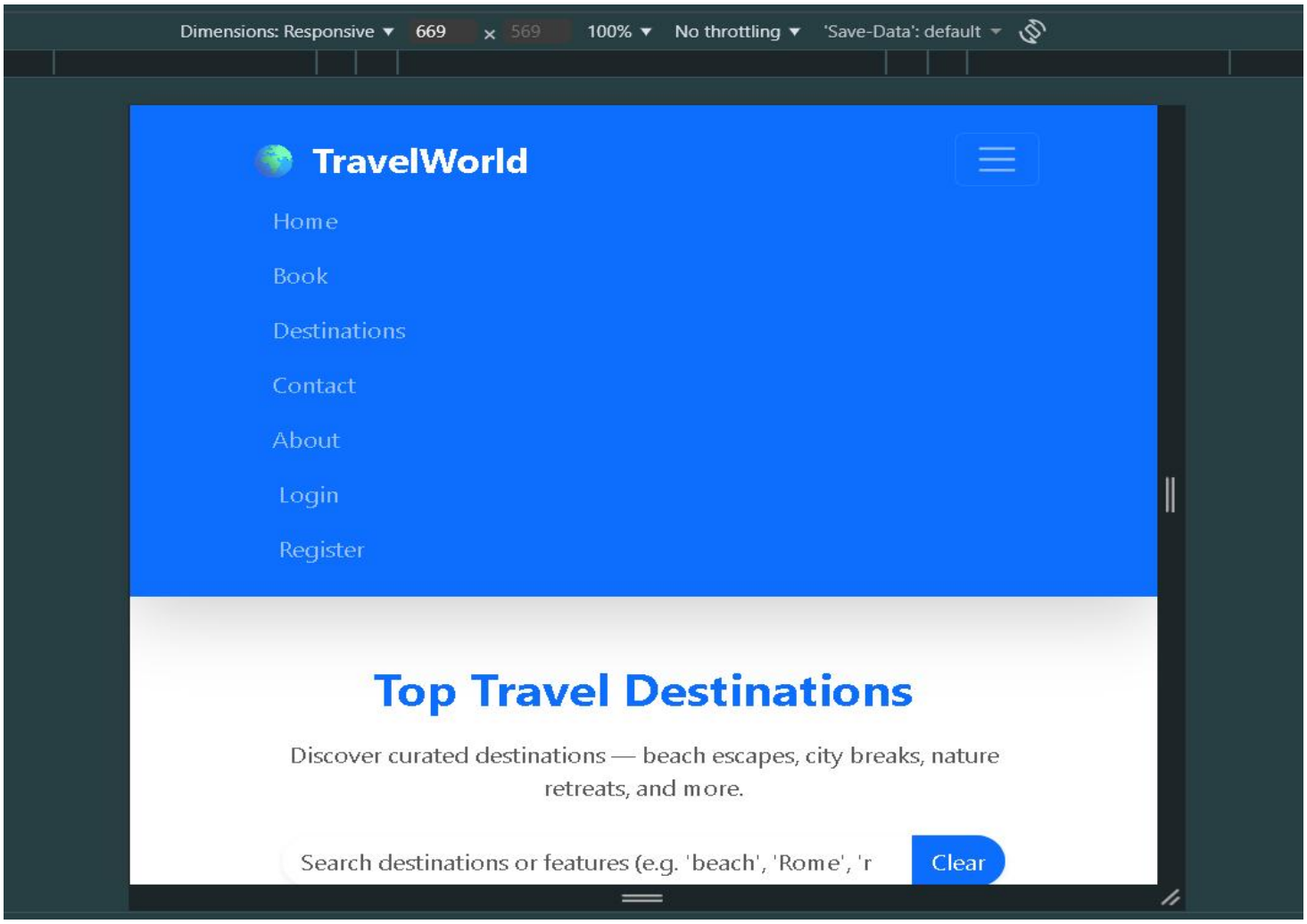
Footer.jsx

```
function Footer() {
  return (
    <footer className="bg-dark text-light text-
center py-3 mt-auto">
      <p className="mb-0">© 2025 PharmEasy. All
Rights Reserved.</p>
    </footer>
  );
}

export default Footer;
```

Output:

TravelWorld
Home
Book
Destinations
Contact
About
Login
Register


TravelWorld
Home
Book
Destinations
Contact
About
Login
Register



Conclusion :

We successfully implement Navbar using jsx.

Assignment 2 : Home Page Development

Aim :

To design and develop the Home Page layout of a React application that includes featured products or categories and a functional search bar that filters products by name or category

Theory :

- **Introduction**

  The Home Page serves as the main entry point of a web application. It provides users with an overview of the site's purpose, displays key products or categories, and allows smooth navigation to other sections.

  In this assignment, the Home Page is built using React functional components, Bootstrap for responsive design, and state management for dynamic search functionality

- **Concept of Components in React**

  React applications are built using components — independent, reusable blocks of UI. Each component manages its own logic and rendering.

  In this assignment:

  Home.js → Acts as the main page component.

  ProductCard.js → Acts as a reusable child component to display individual product details like name, category, price, and image.

  This modular structure enhances readability, maintainability, and reusability.

- **Designing the Home Page Layout**

  A typical Home Page includes:

A header/banner to greet users.

A search bar for quick filtering of products.

A featured products section arranged in a grid layout.

Using Bootstrap's responsive grid classes (container, row, col-md-4), the layout automatically adapts to different devices (mobile, tablet, desktop).

Featured Products or Categories

The featured section displays a list of products dynamically using React's map() function.

Each product object contains:

id

name

category

price

image

These are stored in a local array or fetched from a data file.

The ProductCard component receives product data via props and renders it neatly in a card format.

This makes adding or updating products effortless without touching the layout code.

- **Search Bar Functionality**
-

The search bar enables users to filter products in real-time.

Implementation steps:

Use React's useState() to store the searchTerm.

Use the onChange event on the input field to update the search term dynamically.

Use JavaScript's filter() and includes() methods to display only matching products.

As the user types, the displayed products automatically update — without refreshing the page — creating a smooth user experience.

- **Styling and Responsiveness**

- Bootstrap provides predefined classes for spacing, typography, and layout.
- container → Centers the content.
- row and col-md-* → Divide products into grid columns.
- card → Used for structured product display.

Additional custom CSS ensures proper spacing and color consistency across all screen sizes.

Code :

Home.jsx

```
import React from "react";
import { Link } from "react-router-
 dom";


export default function Home() {
 const slides = [
  {
   img:
"https://images.unsplash.com/photo-
1506744038136-
46273834b3fb?auto=format&fit=crop
&w=1950&q=80",
   title: "Discover Your Next
Adventure",
   subtitle: "Explore the world's most
enchanting destinations with
TravelWorld.",
   cta: { to: "/booking", label: "Book
Your Trip Now" },
  },
  {
   img:
"https://images.unsplash.com/photo-
1519125323398-
675f0ddb6308?auto=format&fit=crop
&w=1950&q=80",
   title: "Alpine Adventures Await",
   subtitle: "Experience charming
villages nestled in majestic
mountains.",
   cta: { to: "/destinations", label:
"Explore Destinations" },
  },
  {
   img:
"https://i.natgeofe.com/k/e924c4a8-
cf47-4621-9ef8-
20884ad2444f/Pyramids-at-Giza.png",
   title: "Ancient Wonders",
   subtitle: "Explore rich cultural
heritage and stunning architecture.",
   cta: { to: "/destinations", label:
"Discover History" },
  },
  {
   img:
"https://images.unsplash.com/photo-
1441974231531-
c6227db76b6e?auto=format&fit=crop
&w=1950&q=80",
   title: "Nature's Serenity",
   subtitle: "Find peace in pristine
forests and cascading waterfalls.",
   cta: { to: "/destinations", label: "Plan
Your Escape" },
  },
  {
```

```
  img: "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTEgyFtkbjmq1-7rFVLHNLFsUU1XbTO_w5xRw&s",
  title: "Urban Adventures",
  subtitle: "Experience vibrant cities that never sleep.",
  cta: { to: "/destinations", label: "City Breaks" },
 },
 {
  img: "https://images.unsplash.com/photo-1439066615861-d1af74d74000?auto=format&fit=crop&w=1950&q=80",
  title: "Desert Adventures",
  subtitle: "Journey through endless golden landscapes.",
  cta: { to: "/destinations", label: "Desert Tours" },
 },
 {
  img: "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSi811G117v9Bo34G1xwSK1rEFVQSwkNzsd6w&s",
  title: "Sunset Paradise",
  subtitle: "Watch the sun set over crystal-clear waters.",
  cta: { to: "/destinations", label: "Beach Getaways" },
 },
];

const heroStyle = {
 position: "relative",
 width: "100%",
 height: "90vh",
 overflow: "hidden",
};

const imgStyle = {
 width: "100%",
 height: "90vh",
 objectFit: "cover",
};

const overlayStyle = {
 position: "absolute",
 top: 0,
 left: 0,
```

```
  right: 0,
  bottom: 0,
  background: "rgba(0, 0, 0, 0.3)",
};

const contentStyle = {
  position: "absolute",
  bottom: "20%",
  left: "10%",
  color: "#fff",
  textShadow: "1px 1px 3px rgba(0,0,0,0.6)",
};

return (
  <>
    {/* Hero Carousel */}
    <section className="hero-carousel" data-aos="fade-in" data-aos-duration="1200" style={heroStyle}>
      <div
        id="heroCarousel"
        className="carousel slide h-100"
        data-bs-ride="carousel"
        data-bs-interval="4000"
      >
        <div className="carousel-indicators">
          {slides.map((_, idx) => (
            <button
              key={idx}
              type="button"
              data-bs-target="#heroCarousel"
              data-bs-slide-to={idx}
              className={idx === 0 ? "active" : ""}
              aria-current={idx === 0 ? "true" : undefined}
              aria-label={`Slide ${idx + 1}`}
            ></button>
          ))}
        </div>

        <div className="carousel-inner h-100">
          {slides.map((s, i) => (
            <div key={i} className={`carousel-item ${i === 0 ? "active" : ""}`}>
              <img src={s.img} alt={s.title} style={imgStyle} />
```

```
          <div style={overlayStyle} />
          <div style={contentStyle}>
           <h1 className="fw-bold">{s.title}</h1>
           <p className="fs-5">{s.subtitle}</p>
           <Link to={s.cta.to} className="btn btn-primary btn-lg">
            {s.cta.label}
           </Link>
          </div>
         </div>
        ))}
      </div>

      <button
       className="carousel-control-prev"
       type="button"
       data-bs-target="#heroCarousel"
       data-bs-slide="prev"
       aria-label="Previous"
      >
       <span className="carousel-control-prev-icon" />
       <span className="visually-hidden">Previous</span>
      </button>
      <button
       className="carousel-control-next"
       type="button"
       data-bs-target="#heroCarousel"
       data-bs-slide="next"
       aria-label="Next"
      >
       <span className="carousel-control-next-icon" />
       <span className="visually-hidden">Next</span>
      </button>
     </div>
    </section>

    {/* Main Content */}
    <main className="container flex-grow-1 py-5">
     {/* Search Bar */}
     <div className="mb-5 search-bar" data-aos="fade-up" data-aos-duration="1000">
      <div className="input-group
```

```
input-group-lg rounded-pill shadow-sm">
        <input
         type="text"
         className="form-control rounded-pill"
         placeholder="Search destinations, activities..."
         aria-label="Search destinations"
        />
        <button className="btn btn-primary rounded-pill ms-2" type="button">
         <i className="fas fa-search"></i>
        </button>
       </div>
     </div>

     {/* Feature Cards */}
     <div className="row g-4">
      <div className="col-12 col-sm-6 col-lg-4" data-aos="zoom-in" data-aos-duration="800">
        <div className="card h-100 border-0 shadow-sm">
          <div className="card-body text-center">
            <div className="mb-3">
             <i className="fas fa-map-marked-alt fa-2x text-primary" />
            </div>
            <h5 className="card-title">Popular Destinations</h5>
            <p className="card-text text-muted">
             Explore our most booked places across the world!
            </p>
            <Link
             to="/destinations"
             className="stretched-link text-decoration-none fw-semibold text-primary"
            >
             View All
            </Link>
           </div>
         </div>
        </div>

        <div
```

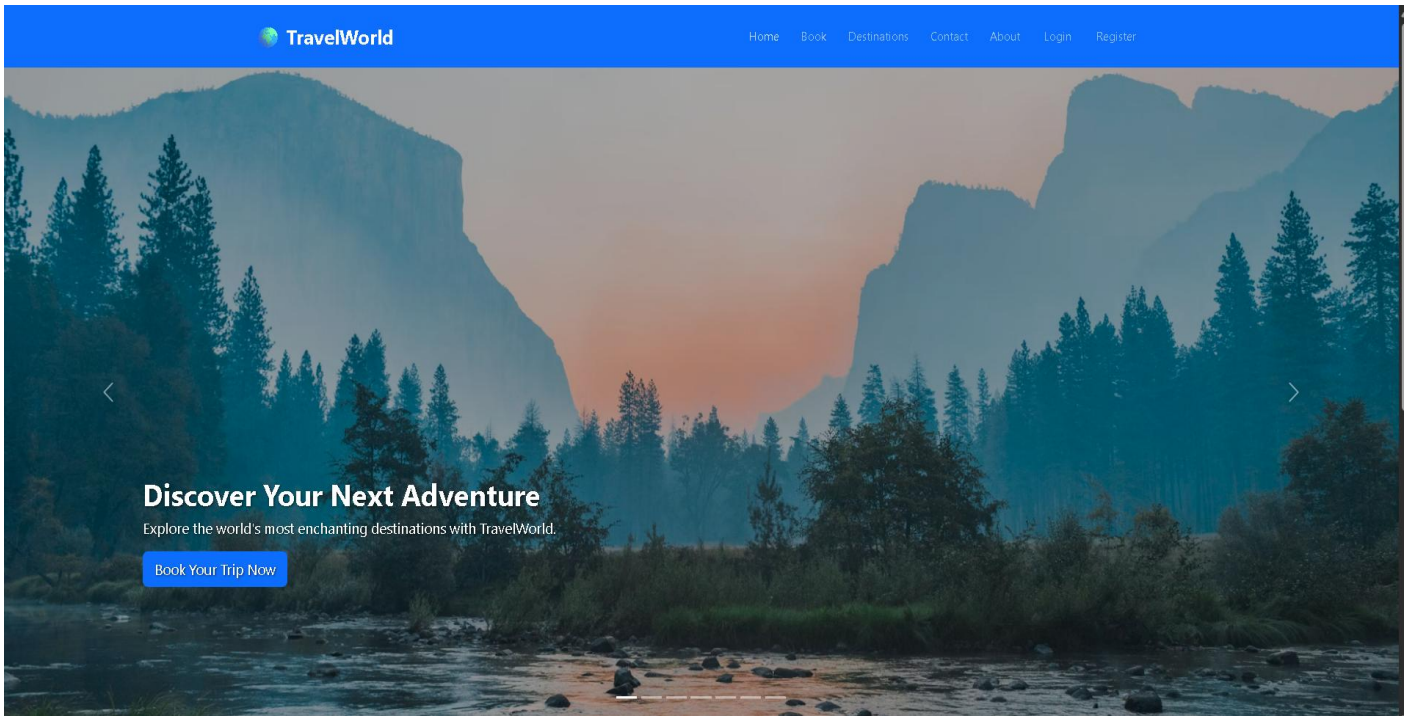
```
        className="col-12 col-sm-6 col-
lg-4"
        data-aos="zoom-in"
        data-aos-delay="100"
        data-aos-duration="800"
      >
        <div className="card h-100
border-0 shadow-sm">
          <div className="card-body
text-center">
            <div className="mb-3">
              <i className="fas fa-
calendar-alt fa-2x text-primary" />
            </div>
            <h5 className="card-
title">Book Your Trip</h5>
            <p className="card-text text-
muted">
              Ready for a new adventure?
Start booking now!
            </p>
            <Link
              to="/booking"
              className="stretched-link
text-decoration-none fw-semibold
text-primary"
            >
              Book Now
            </Link>
          </div>
        </div>
      </div>

      <div
        className="col-12 col-sm-6 col-
lg-4"
        data-aos="zoom-in"
        data-aos-delay="300"
        data-aos-duration="800"
      >
        <div className="card h-100
border-0 shadow-sm">
          <div className="card-body
text-center">
            <div className="mb-3">
              <i className="fas fa-user-
plus fa-2x text-primary" />
            </div>
            <h5 className="card-
title">Register</h5>
            <p className="card-text text-
muted">
```

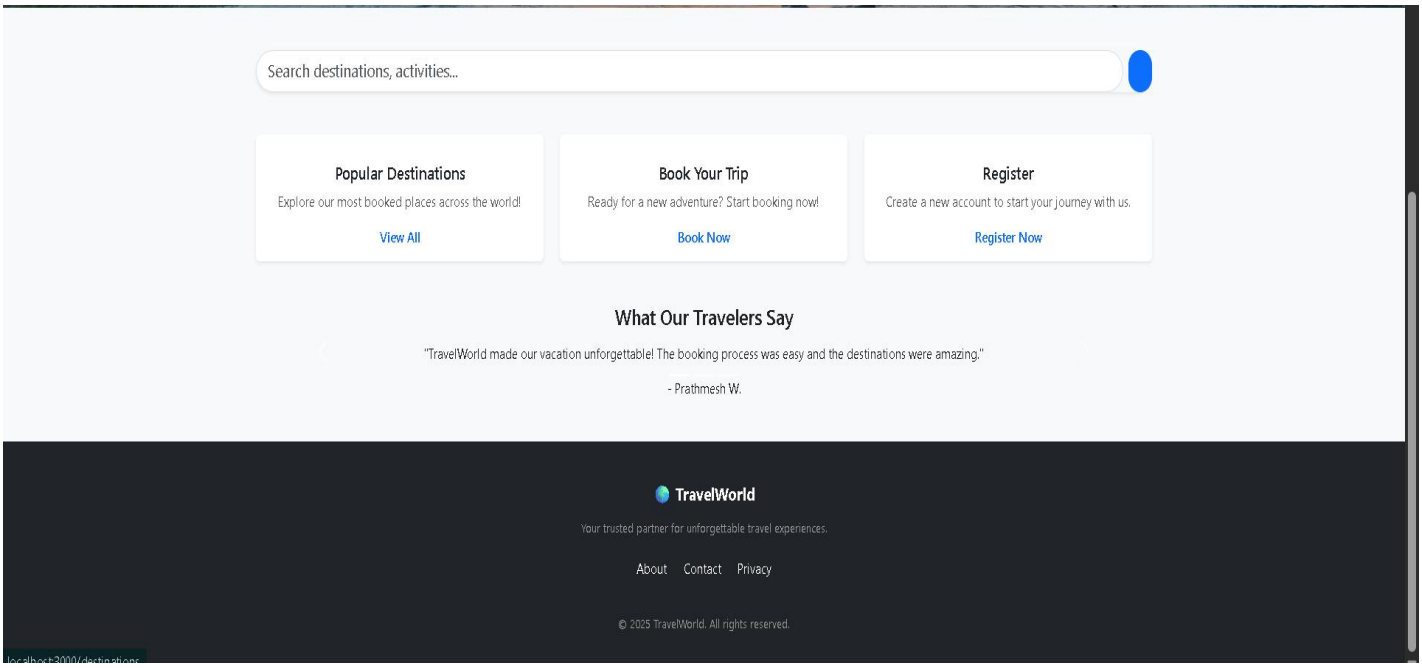
```
          Create a new account to start
your journey with us.
          </p>
          <Link
           to="/register"
           className="stretched-link
text-decoration-none fw-semibold
text-primary"
          >
           Register Now
          </Link>
         </div>
        </div>
       </div>
      </div>

      {/* Testimonials */}
      <section className="social-proof
mt-5" data-aos="fade-up" data-aos-
duration="1000">
       <div
        id="testimonialCarousel"
        className="carousel slide"
        data-bs-ride="carousel"
        data-bs-interval="4000"
       >
        <div className="carousel-
indicators">
         <button
          type="button"
          data-bs-
target="#testimonialCarousel"
          data-bs-slide-to="0"
          className="active"
          aria-current="true"
          aria-label="Slide 1"
         ></button>
         <button
          type="button"
          data-bs-
target="#testimonialCarousel"
          data-bs-slide-to="1"
          aria-label="Slide 2"
         ></button>
         <button
          type="button"
          data-bs-
target="#testimonialCarousel"
          data-bs-slide-to="2"
          aria-label="Slide 3"
         ></button>
        </div>
```

```
        <div className="carousel-inner text-center">
          <div className="carousel-item active">
            <h4 className="mb-3">What Our Travelers Say</h4>
            <p className="testimonial">
              "TravelWorld made our vacation unforgettable! The booking process was easy and
              the destinations were amazing."
            </p>
            <p className="testimonial mb-0">- Prathmesh W.</p>
          </div>
          <div className="carousel-item">
            <h4 className="mb-3">What Our Travelers Say</h4>
            <p className="testimonial">
              "Amazing customer service and attention to detail. We felt safe and well taken
              care of every step of the way."
            </p>
            <p className="testimonial mb-0">- Raj P.</p>
          </div>
          <div className="carousel-item">
            <h4 className="mb-3">What Our Travelers Say</h4>
            <p className="testimonial">
              "Great deals and beautiful curated itineraries — 10/10 would book again!"
            </p>
            <p className="testimonial mb-0">- Chetan T.</p>
          </div>
        </div>

        <button
          className="carousel-control-prev"
          type="button"
          data-bs-target="#testimonialCarousel"
          data-bs-slide="prev"
          aria-label="Previous testimonial"
```

```
        >
          <span className="carousel-
control-prev-icon" aria-hidden="true"
/>
        </button>
        <button
          className="carousel-control-
next"
          type="button"
          data-bs-
target="#testimonialCarousel"
          data-bs-slide="next"
          aria-label="Next testimonial"
        >
          <span className="carousel-
control-next-icon" aria-hidden="true"
/>
        </button>
```

Output:





Conclusion :

We successfully implemented Home page , Footer and Search Functionality

Assignment 3 : Fetch product data from array or static JSON file

---

Aim :

To understand and implement Routing in React using the react-router-dom library, and to design a Destinations Page that displays a list of travel destinations with their details and an option to view or book them.

Theory :

- **Introduction to Routing**

  Routing in React refers to the method of navigating between multiple views in a Single Page Application (SPA) without reloading the entire page.

  Instead of the traditional full-page reloads, React uses client-side routing handled by JavaScript — which makes navigation faster and smoother.

  This is achieved using the React Router DOM library.

- **What is React Router ?**

  react-router-dom is a popular library for handling navigation and routes in React applications. It allows mapping specific URL paths to corresponding React components.

  For example:
  / → Home Page
  /destinations → Destinations Page
  /contact → Contact Page.

- **Components of React Router**

Component	Description
BrowserRouter	The main container that keeps the UI in sync with the URL. It wraps the entire app.
Routes	Acts as a container for all route definitions.
Route	Defines a specific path and the component that should render when the path is matched.

Link	Replaces <a> tags for navigation. Prevents page reload and provides smooth transitions.
NavLink	Similar to Link, but adds active styling to indicate the current route.
useNavigate	A react hook that allows programmatic navigation

- **How Routing Works ?**

  The whole app is wrapped in <BrowserRouter>.

  <Routes> contains different <Route> components.

  When the user clicks a link, React Router dynamically loads the required component.

  The page content changes, but the browser doesn't refresh — giving an SPA experience.

- **Advantages of Routing**

  - Fast navigation – no full reloads

  - Smooth user experience

  - Better maintainability – components separated cleanly

  - Dynamic routing support (e.g., /destinations/:id)

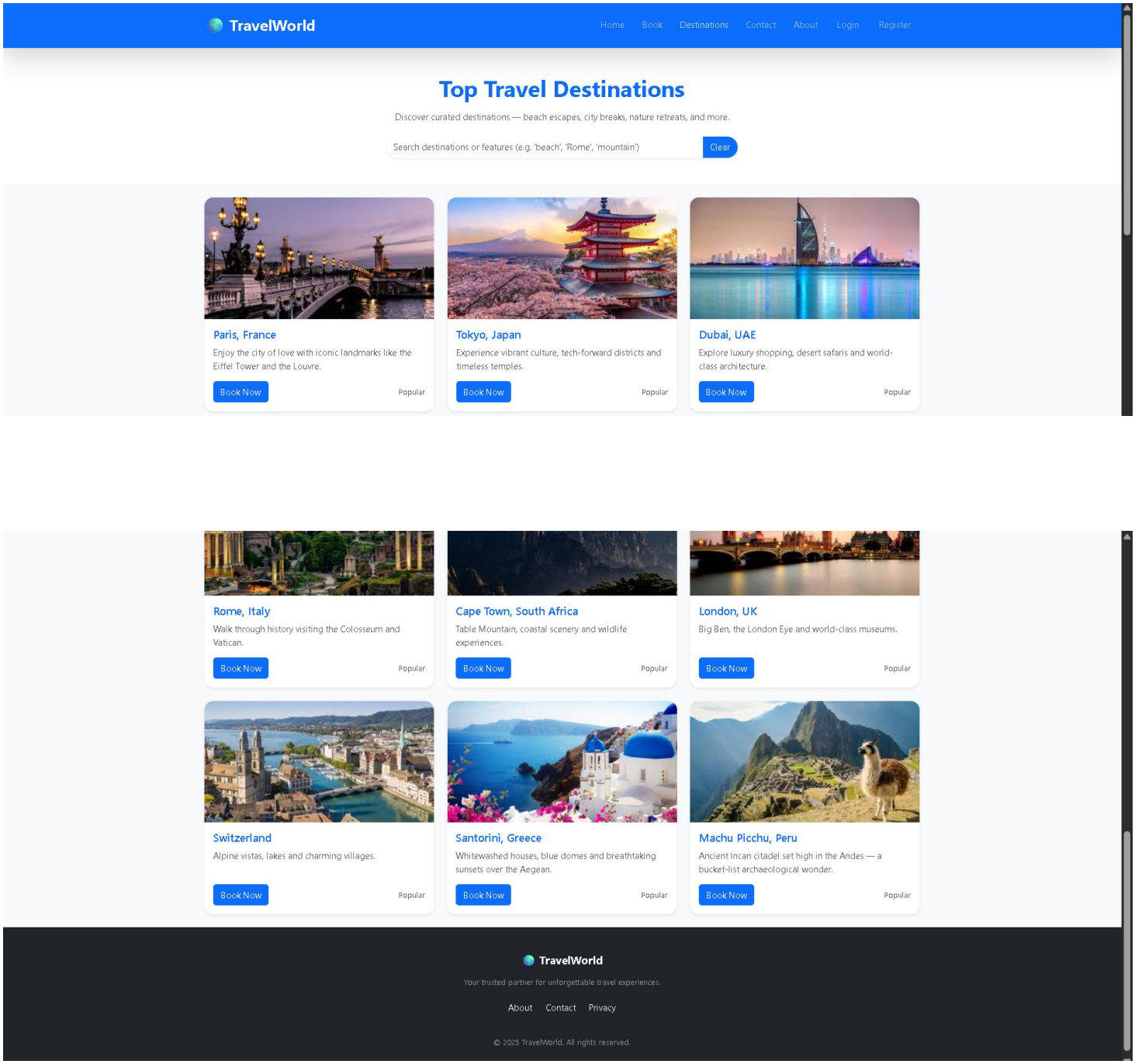
  - Reusable layouts – header/footer remain constant

Code :

```
import { useState } from "react";
import { useNavigate } from "react-router-dom";
import DestinationCard from "../components/DestinationCard";

function Home() {
  const [searchTerm, setSearchTerm] = useState("");
  const navigate = useNavigate(); // Hook for navigation


  const destinations = [
    { id: 1, name: "Paris", country: "France", price: 40000, image: "paris.jpg" },
    { id: 2, name: "Tokyo", country: "Japan", price: 55000, image: "tokyo.jpg" },
    { id: 3, name: "Bali", country: "Indonesia", price: 35000, image: "bali.jpg" },
    { id: 4, name: "Dubai", country: "UAE", price: 60000, image: "dubai.jpg" },
  ];


  const filteredDestinations = destinations.filter(
    (d) =>

d.name.toLowerCase().includes(searchTerm.toLowerCase()) ||

d.country.toLowerCase().includes(searchTerm.toLowerCase())
  );

  return (
```

```
   <div className="container mt-5 pt-5">
    <h2 className="text-center mb-
4">Explore Top Destinations</h2>

    {/* Search Bar */}
    <div className="text-center mb-4">
     <input
      type="text"
      className="form-control w-50 mx-
auto"
      placeholder="Search by destination or
country..."
      value={searchTerm}
      onChange={(e) =>
setSearchTerm(e.target.value)}
     />
    </div>


    <div className="row justify-content-
center">
     {filteredDestinations.length > 0 ? (
      filteredDestinations.map((destination)
=> (
       <div
        className="col-md-3 col-sm-6 mb-
4"
        key={destination.id}
        onClick={() =>
navigate("/destinations")}
        style={{ cursor: "pointer" }}
       >
        <DestinationCard
destination={destination} />
       </div>
      ))
     ) : (
      <p className="text-center text-
muted">No destinations found.</p>
     )}
    </div>
   </div>
  );
}

export default Home;

          </article>
         </div>
                    ))}
                   </div>
                  </section>
                 </main>
                </div>
               );
              }
```

Output :



Conclusion :

We successfully implemented routing and data fetching from a static array in the TravelWorld React project.
The home page dynamically renders destinations, supports real-time search filtering, and enables smooth navigation enhancing user interactivity and experience.

Assignment 4 : Destinations Page

Aim :

To design and develop a Destinations Page in React that dynamically displays a list of travel destinations with details such as image, name, location, description, price, and rating, along with a “Book Now” button.

The page also includes a functional search bar to filter destinations by name or description.

Theory :

- **Introduction**

  The Destinations Page is one of the main sections of the TravelWorld web application.

  It provides users with a catalog of travel destinations where they can browse popular locations, explore details, and proceed toward booking.

  In React, this page is implemented as a functional component, combining logic and UI structure .

- **Component-Based Architecture**

  React applications are structured using reusable components.

  For this page:

  Destinations.js acts as the main page component handling state, data, and filtering.

  DestinationCard.js acts as a reusable subcomponent responsible for displaying each destination’s details.

  This modular approach ensures scalability, clean structure, and easy maintenance — changes to how a destination is displayed can be made in just one place.

- **Featured Products or Categories**

  The featured products section highlights key products or categories to attract user attention.

  In React, this is implemented by maintaining a list (array) of products inside the component’s state. Each product has attributes such as:

  - id

  - Name

-country

-image

These are rendered dynamically using the .map() function, allowing automatic display of all destinations without writing repetitive code.

- **Search Bar Functionality**

The search bar allows users to quickly find destinations.

It is implemented using:

useState() to store the search term.

onChange event to update the search term as the user types.

filter() function to dynamically filter the list by matching the user input with destination name or description.

This creates real-time search filtering, improving the interactive experience.

- **Routing and Navigation**

Navigation to the Destinations Page happens through the Navbar using the <Link> component from react-router-dom.

When users click on “Destinations” in the navigation bar or select a destination on the Home page, they are directed to /destinations without page reload.

This behavior is part of React’s Single Page Application (SPA) nature.

Code:

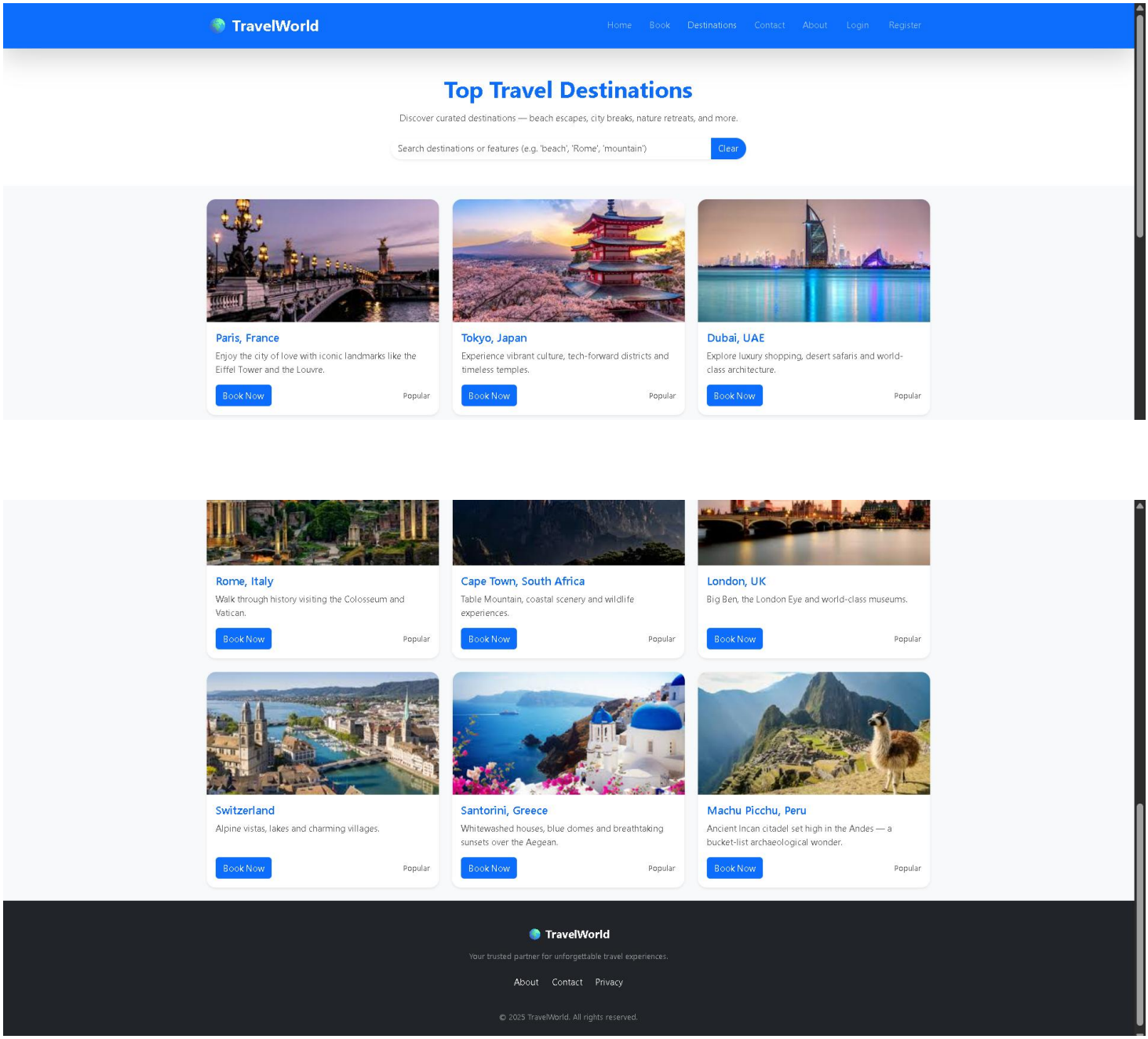
```
// src/pages/Destinations.jsx

import React, { useEffect, useMemo,
useState } from "react";

import AOS from "aos";

import "aos/dist/aos.css";

import
"bootstrap/dist/css/bootstrap.min.css";


export default function Destinations() {

  useEffect(() => {

    AOS.init({ duration: 800, once: true,
offset: 80 });

  }, []);


  const destinations = useMemo(() => [

    { name: "Paris, France", image:
"/images/paris.jpg", desc: "Enjoy the city
of love with iconic landmarks like the
Eiffel Tower and the Louvre." },

    { name: "Tokyo, Japan", image:
"/images/tokyo.jpg", desc: "Experience
vibrant culture, tech-forward districts and
```

```
timeless temples." },

  { name: "Dubai, UAE", image: "/images/dubai.jpg", desc: "Explore luxury shopping, desert safaris and world-class architecture." },

  { name: "India", image: "/images/india.jpg", desc: "A vibrant, sensory-rich destination full of culture, food and diverse landscapes." },

  { name: "New York, USA", image: "/images/cityscape.jpg", desc: "See Times Square, Central Park and iconic skyline experiences." },

  { name: "Bali, Indonesia", image: "/images/beach.jpg", desc: "Tropical beaches, temples and relaxed island life." },

  { name: "Rome, Italy", image: "/images/rome.jpg", desc: "Walk through history visiting the Colosseum and Vatican." },

  { name: "Cape Town, South Africa", image: "/images/mountains.jpg", desc: "Table Mountain, coastal scenery and wildlife experiences." },

  { name: "London, UK", image: "/images/london.jpg", desc: "Big Ben, the London Eye and world-class museums." },

  { name: "Switzerland", image: "/images/switzerland.jpg", desc: "Alpine vistas, lakes and charming villages." },

  { name: "Santorini, Greece", image: "/images/santorini.jpg", desc: "Whitewashed houses, blue domes and breathtaking sunsets over the Aegean." },

  { name: "Machu Picchu, Peru", image: "/images/machu.jpg", desc: "Ancient Incan citadel set high in the Andes — a bucket-list archaeological wonder." }

 ], []);


 const [query, setQuery] = useState("");


 const results = useMemo(() => {

  const q = query.trim().toLowerCase();

  if (!q) return [];

  return destinations.filter(d =>

   d.name.toLowerCase().includes(q) || d.desc.toLowerCase().includes(q)

  );

 }, [query, destinations]);


 function handleImgError(e) {

  e.currentTarget.onerror = null;

  e.currentTarget.src = "/images/placeholder.jpg";

 }


 return (

  <div className="bg-light min-vh-100 d-flex flex-column">

   <header className="text-center bg-white py-5">

    <div className="container">

     <h1 className="display-6 fw-bold text-primary mb-3" data-aos="fade-down">

      Top Travel Destinations

     </h1>

     <p className="text-muted mb-3" data-aos="fade-up">

      Discover curated destinations — beach escapes, city breaks, nature retreats, and more.

     </p>


     <div className="row justify-content-center mt-4" data-aos="fade-up" data-aos-delay="100">

      <div className="col-11 col-md-8 col-lg-6">

       <div className="input-group shadow-sm rounded-pill overflow-hidden">
```

```
            <input
              type="search"
              className="form-control border-0"
              placeholder="Search destinations or features (e.g. 'beach', 'Rome', 'mountain')"
              aria-label="Search destinations"
              value={query}
              onChange={(e) => setQuery(e.target.value)}
            />
            <button
              type="button"
              className="btn btn-primary"
              onClick={() => setQuery("")}
              aria-label="Clear search"
            >
              Clear
            </button>
          </div>
        </div>
      </div>
    </header>

    <main className="container py-4">
      {query.trim() ? (
        <section className="mb-4" data-aos="fade-up">
          <div className="d-flex justify-content-between align-items-center mb-2">
            <h5 className="mb-0">Search results for <span className="text-primary">“{query}”</span></h5>
            <small className="text-muted">{results.length} match{results.length !== 1 ? "es" : ""}</small>
          </div>

          {results.length === 0 ? (
            <div className="alert alert-warning py-2">No destinations match your search. Try another term.</div>
          ) : (
            <div className="list-group">
              {results.map((r, idx) => (
                <div key={idx} className="list-group-item list-group-item-action d-flex align-items-start gap-3">
                  <img
                    src={r.image}
                    alt={r.name}
                    style={{ width: 96, height: 64, objectFit: "cover", borderRadius: 8 }}
                    loading="lazy"
                    onError={handleImgError}
                  />
                  <div className="flex-grow-1">
                    <div className="d-flex justify-content-between align-items-start">
                      <h6 className="mb-1">{r.name}</h6>
                      <a href="/booking" className="btn btn-sm btn-outline-primary">Book</a>
                    </div>
                    <p className="mb-0 text-muted small">{r.desc}</p>
                  </div>
                </div>
              ))}
            </div>
          )}
```

```
        </section>
      ) : null}

      <section data-aos="fade-up">
        <div className="row g-4">
          {destinations.map((d, i) => (
            <div className="col-12 col-md-6 col-lg-4" key={i} data-aos="zoom-in" data-aos-delay={i * 40}>
              <article className="card h-100 shadow-sm border-0 rounded-4 overflow-hidden">
                <img
                  src={d.image}
                  alt={d.name}
                  className="card-img-top"
                  style={{ height: 220, objectFit: "cover" }}
                  loading="lazy"
                  onError={handleImgError}
                />
                <div className="card-body d-flex flex-column">
                  <h5 className="card-title text-primary">{d.name}</h5>
                  <p className="card-text text-muted mb-3">{d.desc}</p>
                  <div className="mt-auto d-flex justify-content-between align-items-center">
                    <a href="/booking" className="btn btn-primary">Book Now</a>
                    <small className="text-muted">Popular</small>
                  </div>
                </div>
              </article>
            </div>
          ))}
        </div>
      </section>
    </main>
  </div>
);
}
```

Output :



Conclusion :

We successfully designed and implemented the Destinations Page in the TravelWorld React application. The page dynamically displays a list of travel destinations with real-time search filtering and smooth navigation — showcasing React's component-based design and routing capabilities

Assignment 5 : About Page

Aim :

To design and develop an About Page in React that provides an overview of the website's purpose, mission, and services. The page includes descriptive text, images, and responsive layout design using Bootstrap

Theory :

- **Introduction**

  The About Page plays an important role in any website by presenting background information about the organization or platform.
  In the TravelWorld React project, the About page describes the platform's mission to help users explore destinations, learn about travel experiences, and access services easily.

  It is created as a React functional component and styled using Bootstrap classes for responsiveness and layout

- **Concept of React Components**

  React applications follow a component-based architecture, where each page is built as a separate component.
  The About Page is implemented as:

  About.jsx — the page-level component containing text, structure, and styling.

  It is rendered through Routing using react-router-dom.

  This modular structure helps maintain clear separation between UI and logic, improves readability, and allows easy modification in the future..

- **Page Layout and Design**

  The About Page is designed using a combination of Bootstrap grid and utility classes.
  The layout includes:

A header or title section.

An image or illustration that represents travel or adventure.

A descriptive paragraph explaining the platform’s mission and values.

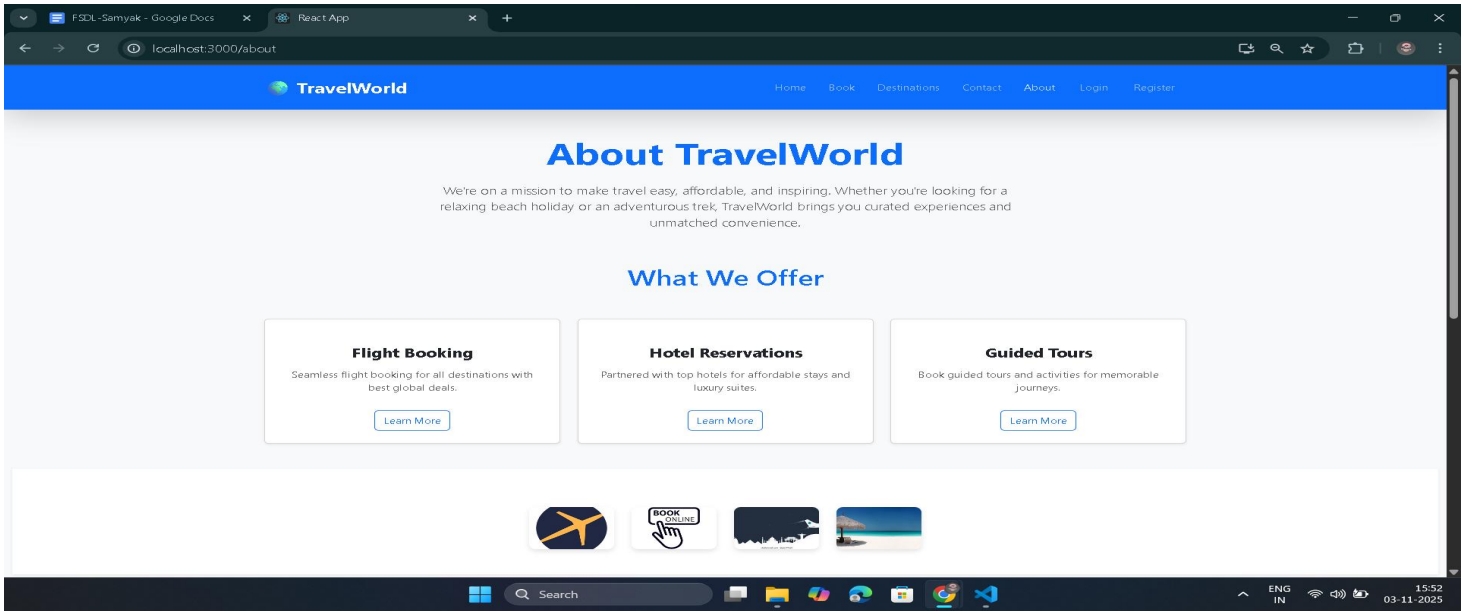
A clean and visually balanced structure with padding, margins, and responsive design..

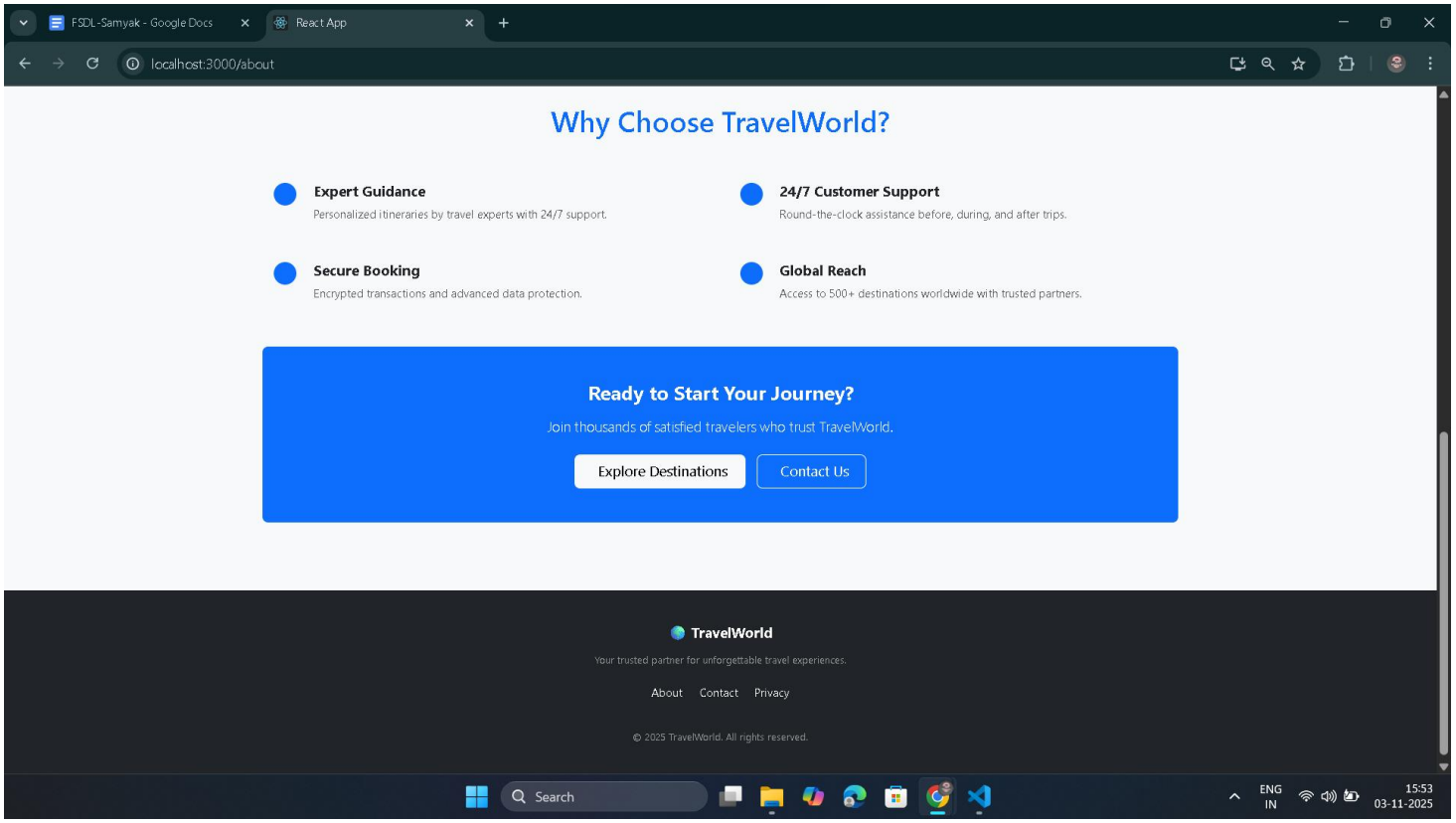
Code :

```
import React, { useEffect } from "react";
import AOS from "aos";
import "aos/dist/aos.css";
import "bootstrap/dist/css/bootstrap.min.css";

export default function About() {
  useEffect(() => {
    AOS.init({ duration: 800, once: true });
  }, []);

  return (
    <div className="bg-light d-flex flex-column min-vh-100">
      <main className="container-fluid py-5 flex-grow-1">
        <section className="container mb-5" data-aos="fade-down">
          <div className="row justify-content-center text-center">
            <div className="col-lg-8">
              <h2 className="display-4 fw-bold text-primary mb-4">About TravelWorld</h2>
              <p className="lead text-muted">
                We're on a mission to make travel easy, affordable, and inspiring.
                Whether you're looking for a relaxing beach holiday or an adventurous trek,
                TravelWorld brings you curated experiences and unmatched convenience.
              </p>
            </div>
          </div>
        </section>

        <section className="container mb-5" data-aos="fade-up">
          <div className="row text-center mb-5">
            <h3 className="h1 fw-semibold text-primary">What We Offer</h3>
          </div>
          <div className="row g-4">
            {[
              { icon: "plane-departure", title: "Flight Booking", text: "Seamless flight booking for all destinations with best global deals." },
              { icon: "hotel", title: "Hotel Reservations", text: "Partnered with top hotels for affordable stays and luxury suites." },
              { icon: "map-marked-alt", title: "Guided Tours", text: "Book guided tours and activities for memorable journeys." },
            ].map((item, i) => (
              <div className="col-lg-4 col-md-6" key={i}>
                <div className="card h-100 shadow-sm">
                  <div className="card-body text-center p-4">
                    <div className="mb-4">
                      <i className={`fas fa-${item.icon} display-3 text-primary`}></i>
                    </div>
                    <h4 className="fw-bold mb-3">{item.title}</h4>
                    <p className="text-muted">{item.text}</p>
                    <button className="btn btn-outline-primary mt-3">Learn More</button>
                  </div>
                </div>
              </div>
            ))}
          </div>
        </section>

        <section className="bg-white py-5 shadow-sm" data-aos="fade-up">
          <div
            className="d-flex flex-wrap justify-content-center align-items-center gap-4 mt-4"
            style={{ rowGap: "2rem" }}
          >
```

```
 {["expedia.png", "booking-bg.png", "travel-banner.jpg", "beache.jpg"].map(
   (img, i) => (
    <div
     key={i}
     style={{
      width: "120px",
      height: "80px",
      display: "flex",
      justifyContent: "center",
      alignItems: "center",
      borderRadius: "10px",
      overflow: "hidden",
      backgroundColor: "#fff",
      boxShadow: "0 4px 8px rgba(0,0,0,0.1)",
     }}
    >
     <img
      src={`/Images/${img}`}
      alt={`partner-${i}`}
      className="img-fluid"
      style={{
       width: "100%",
       height: "100%",
       objectFit: "cover",
      }}
     />
    </div>
   )
  )}
</div>

     </section>

     <section className="container my-5" data-aos="fade-up">
       <div className="text-center mb-5">
        <h3 className="h1 fw-semibold text-primary">Why Choose TravelWorld?</h3>
       </div>
       <div className="row g-4">
        {[          { icon: "star", title: "Expert Guidance", desc: "Personalized itineraries by travel experts with 24/7 support." },
         { icon: "headset", title: "24/7 Customer Support", desc: "Round-the-clock assistance before, during, and after trips." },
         { icon: "shield-alt", title: "Secure Booking", desc: "Encrypted transactions and advanced data protection." },
         { icon: "globe", title: "Global Reach", desc: "Access to 500+ destinations worldwide with trusted partners." },
        ].map((item, i) => (
         <div className="col-lg-6" key={i}>
          <div className="d-flex align-items-start p-3">
           <div className="bg-primary rounded-circle p-3 me-4">
            <i className={`fas fa-${item.icon} text-white fa-lg`}></i>
           </div>
           <div>
            <h5 className="fw-bold">{item.title}</h5>
            <p className="text-muted mb-0">{item.desc}</p>
           </div>
          </div>
         </div>
        ))}
       </div>
      </section>

      <section className="container text-center mb-5" data-aos="fade-up">
       <div className="bg-primary text-white p-5 rounded-3">
        <h3 className="fw-bold mb-3">Ready to Start Your Journey?</h3>
        <p className="lead mb-4">Join thousands of satisfied travelers who trust TravelWorld.</p>
        <div className="d-flex flex-column flex-sm-row gap-3 justify-content-center">
         <button className="btn btn-light btn-lg px-4">
          <i className="fas fa-search me-2"></i>Explore Destinations
         </button>
         <button className="btn btn-outline-light btn-lg px-4">
          <i className="fas fa-phone me-2"></i>Contact Us
         </button>
        </div>
       </div>
      </section>
     </main>
    </div>
  );
}
```

Output :


FSDL-Samyak - Google Docs
React App
localhost:3000/about
TravelWorld
Home
Book
Destinations
Contact
About
Login
Register
About TravelWorld
We're on a mission to make travel easy, affordable, and inspiring. Whether you're looking for a relaxing beach holiday or an adventurous trek, TravelWorld brings you curated experiences and unmatched convenience.
What We Offer
Flight Booking
Seamless flight booking for all destinations with best global deals.
Learn More
Hotel Reservations
Partnered with top hotels for affordable stays and luxury suites.
Learn More
Guided Tours
Book guided tours and activities for memorable journeys.
Learn More
Search
ENG
IN
15:52
03-11-2025


FSDL-Samyak - Google Docs
React App
localhost:3000/about
Why Choose TravelWorld?
Expert Guidance
Personalized itineraries by travel experts with 24/7 support.
24/7 Customer Support
Round-the-clock assistance before, during, and after trips.
Secure Booking
Encrypted transactions and advanced data protection.
Global Reach
Access to 500+ destinations worldwide with trusted partners.
Ready to Start Your Journey?
Join thousands of satisfied travelers who trust TravelWorld.
Explore Destinations
Contact Us
TravelWorld
Your trusted partner for unforgettable travel experiences.
About
Contact
Privacy
© 2025 TravelWorld. All rights reserved.
Search
ENG
IN
15:53
03-11-2025

Conclusion :

We successfully developed the About Page of the TravelWorld React application using React components and Bootstrap.
This page effectively communicates the website's purpose, ensuring a visually appealing and responsive design that enhances user engagement.

Assignment 6 : Checkout Page

Aim :

To design and develop a Booking Page in React that allows users to enter trip details such as destination, travel dates, number of travellers, and special requests, with validation and a success modal message after submission.

Theory :

- **Introduction**

  The Booking Page enables users to make or simulate trip reservations by submitting travel information.
  It demonstrates form handling, validation, animations, and Bootstrap modal integration in React.

  This page is implemented using:

  React functional components

  useEffect and useRef hooks

  Bootstrap 5 for layout, form styling, and modals

  AOS (Animate On Scroll) for entry animations

- **Concept and Working**

  Form Design and Validation

  Uses Bootstrap's needs-validation classes to show validation feedback.

  React's handleSubmit() prevents submission if fields are invalid.

  Custom validation ensures the end date is after the start date.

  Setting Minimum Dates Dynamically

  The useEffect() hook runs once on page load to set today's date as the minimum allowed for both start and end dates.

  Modal Handling

  The success message uses a Bootstrap Modal triggered by useRef() and new window.bootstrap.Modal() once the form is successfully validated and submitted.

AOS Animation
The booking card smoothly animates on scroll using data-aos="zoom-in".
Responsive Design
Bootstrap grid (col-md-6, container, row) ensures that the booking form looks clean on all screen sizes.

Code:

```
import React, { useEffect, useRef } from "react";

import AOS from "aos";

import "aos/dist/aos.css";

import "bootstrap/dist/css/bootstrap.min.css";

import "bootstrap/dist/js/bootstrap.bundle.min.js";



export default function Booking() {

 const modalRef = useRef();



 useEffect(() => {

  AOS.init({ duration: 800, once: true, offset: 80 });



  // Set today's date as minimum for both date fields

  const today = new Date().toISOString().split("T")[0];

document.getElementById("startDate").setAttribute("min", today);

document.getElementById("endDate").setAttribute("min", today);

 }, []);



 const handleSubmit = (e) => {

  e.preventDefault();

  const form = e.target;

  if (!form.checkValidity()) {

   form.classList.add("was-validated");

   return;

  }



  const startVal = form.startDate.value;

  const endVal = form.endDate.value;

  if (new Date(endVal) < new Date(startVal)) {

   alert("End date must be after start date!");

   return;

  }



  const modal = new window.bootstrap.Modal(modalRef.current);

  modal.show();

  form.reset();

  form.classList.remove("was-validated");

 };



 return (

  <div className="d-flex flex-column min-vh-100 bg-light">

   <main className="container py-5 flex-grow-1">

    <div className="row justify-content-center">

     <div className="col-12 col-md-8 col-lg-6" data-aos="zoom-in">

      <div className="card card-rounded
```

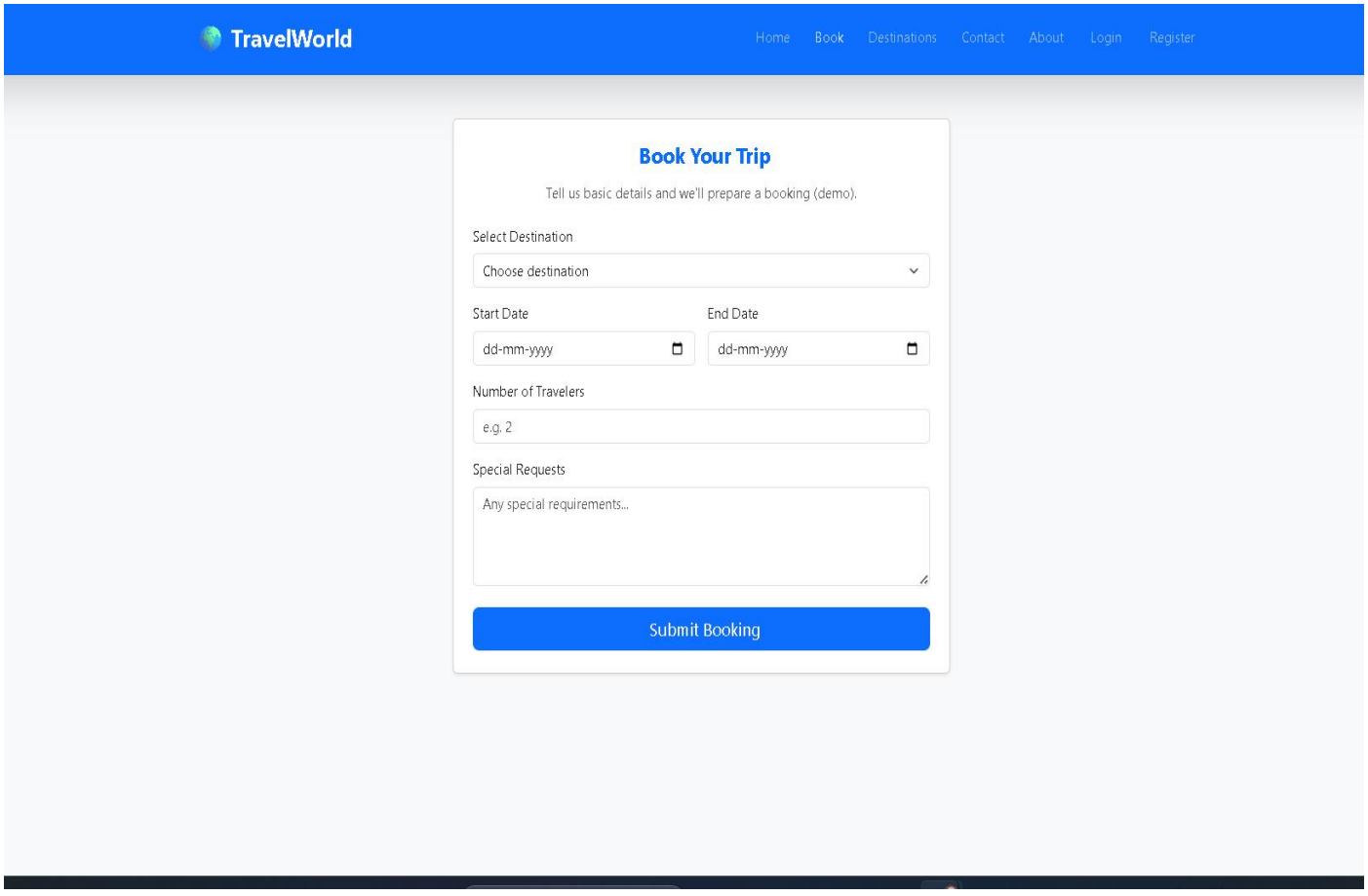
```
shadow-sm">
          <div className="card-body p-4">
            <h2 className="h4 text-primary fw-bold text-center mb-3">
              <i className="fas fa-plane-departure me-2"></i>Book Your Trip
            </h2>
            <p className="text-muted text-center mb-4">
              Tell us basic details and we'll prepare a booking (demo).
            </p>

            <form
              id="bookingForm"
              className="needs-validation"
              noValidate
              onSubmit={handleSubmit}
            >
              <div className="mb-3">
                <label htmlFor="destination" className="form-label">
                  Select Destination
                </label>
                <select
                  id="destination"
                  name="destination"
                  className="form-select"
                  required
                >
                  <option value="">Choose destination</option>
                  <option value="paris">Paris</option>
                  <option value="london">London</option>
                  <option value="tokyo">Tokyo</option>
                  <option value="dubai">Dubai</option>
                </select>
                <div className="invalid-feedback">
                  Please choose a destination.
                </div>
              </div>

              <div className="row g-3 mb-3">
                <div className="col-6">
                  <label htmlFor="startDate" className="form-label">
                    Start Date
                  </label>
                  <input
                    id="startDate"
                    name="startDate"
                    type="date"
                    className="form-control"
                    required
                  />
                  <div className="invalid-feedback">
                    Start date is required.
                  </div>
                </div>
```

```
            <div className="col-6">
              <label htmlFor="endDate" className="form-label">
                End Date
              </label>
              <input
                id="endDate"
                name="endDate"
                type="date"
                className="form-control"
                required
              />
              <div className="invalid-feedback">
                End date is required and must be after start date.
              </div>
            </div>
          </div>

          <div className="mb-3">
            <label htmlFor="travelers" className="form-label">
              Number of Travelers
            </label>
            <input
              id="travelers"
              name="travelers"
              type="number"
              min="1"
              max="20"
              className="form-control"
              placeholder="e.g. 2"
              required
            />
            <div className="invalid-feedback">
              Enter a number of travelers (1–20).
            </div>
          </div>

          <div className="mb-4">
            <label htmlFor="requests" className="form-label">
              Special Requests
            </label>
            <textarea
              id="requests"
              name="requests"
              rows="4"
              className="form-control"
              placeholder="Any special requirements..."
            ></textarea>
          </div>

          <div className="d-grid">
            <button type="submit" className="btn btn-primary btn-lg">
              <i className="fas fa-check me-2"></i>Submit Booking
            </button>
          </div>
```

```
          </form>
        </div>
      </div>
    </div>
  </div>
</main>

{/* Success Modal */}
<div className="modal fade" ref={modalRef} tabIndex="-1">
  <div className="modal-dialog modal-dialog-centered">
    <div className="modal-content">
      <div className="modal-header">
        <h5 className="modal-title">Booking Submitted</h5>
        <button
          type="button"
          className="btn-close"
          data-bs-dismiss="modal"
        ></button>
      </div>
      <div className="modal-body">
        Your booking request was submitted successfully (demo). You'll
        receive confirmation soon.
      </div>
      <div className="modal-footer">
        <a href="/profile" className="btn btn-outline-primary">
          Go to Profile
        </a>
        <button
          type="button"
          className="btn btn-secondary"
          data-bs-dismiss="modal"
        >
          Close
        </button>
      </div>
    </div>
  </div>
</div>
);
}
```

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

export default Checkout;
```

Output:



Conclusion :

We successfully implemented the Booking Page using React functional components, Bootstrap, and AOS animations.

The form validates inputs, checks date logic, and shows a dynamic success modal, demonstrating interactive UI design and real-time validation within a single page..

Assignment 7 : Profile Page

Aim :

To design and develop a Profile Page using React that displays user information, allows profile updates, and integrates smooth animations for a better user experience.

Theory :

- **Introduction**

  The Profile Page is a crucial part of any web application that provides a personalized experience for users. It contains details such as name, email, and preferences and may allow users to view or edit their information.
  In this assignment, the Profile Page is created using React functional components, Bootstrap for layout and styling, and AOS (Animate On Scroll) for animations.

- **Purpose of the Profile Page**

- The purpose of the Profile Page is to provide a personalized space for users within a web application. It allows users to view, manage, and update their personal information such as name, email, and bio.
- It enhances the user experience by giving users control over their data and a sense of ownership within the platform. In addition, the profile page serves as a central hub for user-specific actions, preferences, and saved data.
- In the context of the TravelWorld React project, the Profile Page:
- Displays the user's basic details and travel preferences.
- Allows the user to update or modify their information easily.
- Provides a consistent and interactive interface using React state management.
- Improves usability by making the website more personalized and dynamic.

- **Concept of State and Props in React:**

  1. React components use state to manage and update dynamic data on the page without reloading it.
  2. The useState() hook is used for managing form input values (like name and email).
  3. Props can be used if user data is passed from a parent component, though here we're managing it locally.
  4. This ensures reactivity — the UI automatically updates when the data changes.

- **Design and Structure**

  Design and Structure:

  The Profile Page is designed using Bootstrap grid and card components for a clean and responsive interface.
  It includes:

  User avatar and name displayed at the top.

  Editable form fields (Name, Email, and Bio).

  Buttons for updating the profile.

  AOS animation for fade-in effects.

  The layout is fully responsive and maintains proper spacing and alignment.

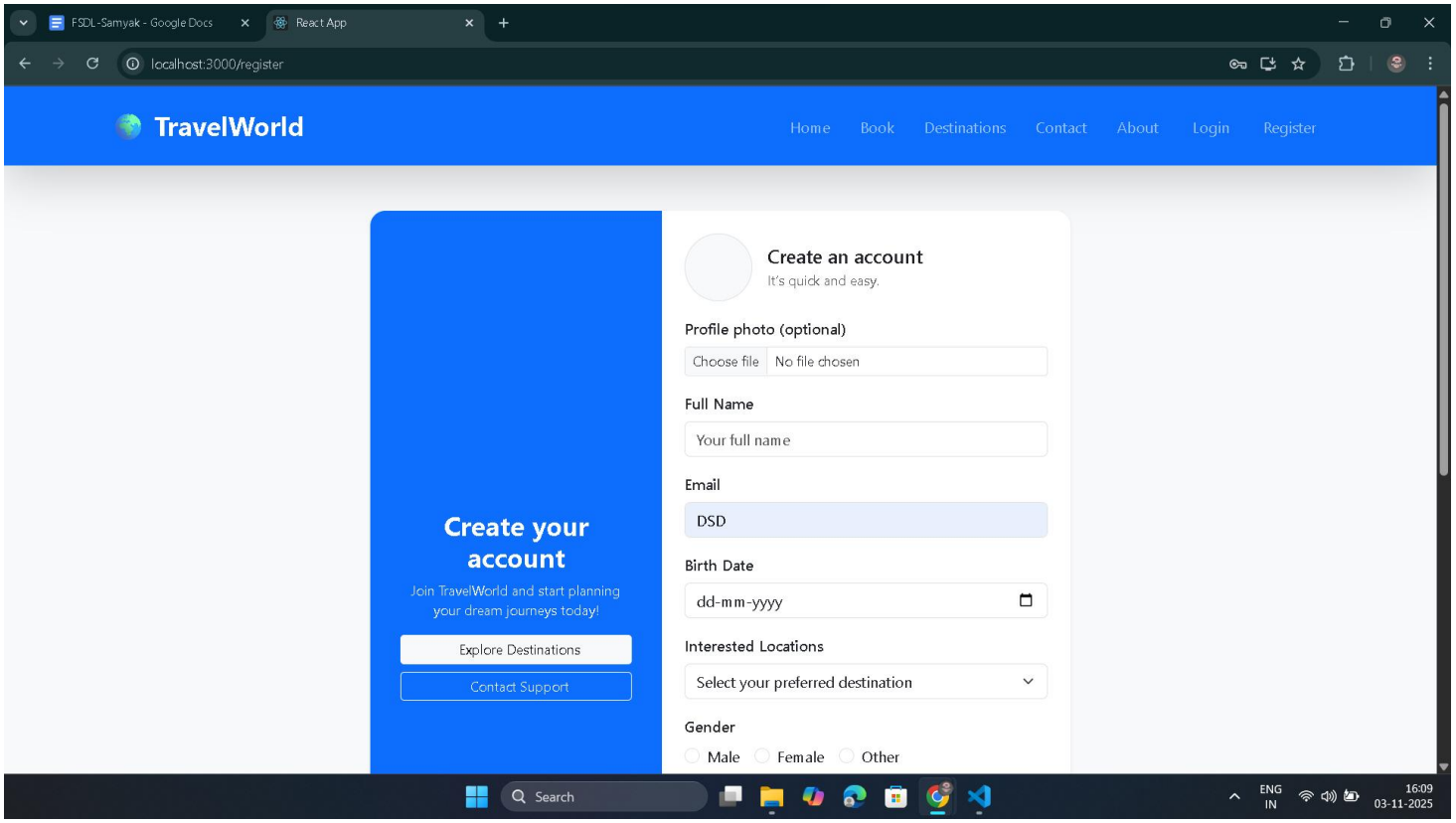
Code :

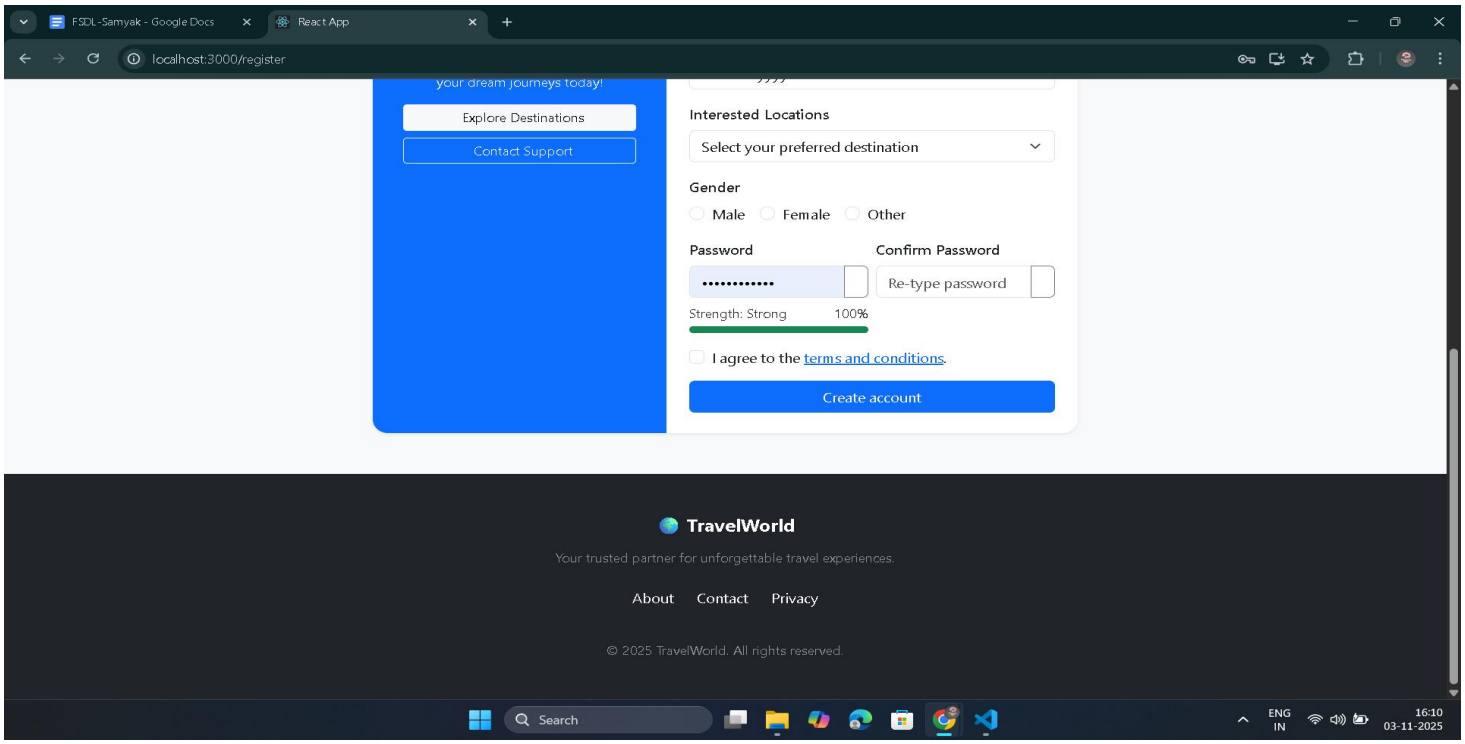
```
import React, { useRef } from "react";

export default function Profile() {
 const formRef = useRef(null);

 function handleSubmit(e) {
  e.preventDefault();
  const form = formRef.current;
  const fullname = form.fullname.value.trim();
  const email = form.email.value.trim();
  const newpass = form.newpass.value;
  const confirmpass = form.confirmpass.value;

  let valid = true;

  // Validation
  if (!fullname) {
   form.fullname.classList.add("is-invalid");
   valid = false;
  } else {
   form.fullname.classList.remove("is-invalid");
  }

  if (!email || !/.+@.+\..+/.test(email)) {
   form.email.classList.add("is-invalid");
   valid = false;
  } else {
   form.email.classList.remove("is-invalid");
  }

  if (newpass || confirmpass) {
   if (newpass !== confirmpass || newpass.length < 8) {
    form.confirmpass.classList.add("is-invalid");
    valid = false;
   } else {
    form.confirmpass.classList.remove("is-invalid");
   }
  } else {
   form.confirmpass.classList.remove("is-invalid");
  }

  if (valid) {
   const modalEl = document.getElementById("successModal");
   const bsModal = new window.bootstrap.Modal(modalEl);
   bsModal.show();
  }
 }
```

```
 return (
  <>
   <div className="container py-5 d-flex justify-content-center align-items-center" style={{ minHeight: "80vh" }}>
    <div className="col-12 col-md-8 col-lg-5">
     <div className="card shadow-lg border-0 rounded-4 p-4">
      <h1 className="h4 text-center text-primary fw-bold mb-4">
       <i className="fas fa-user-circle me-2" aria-hidden="true" /> Your Profile
      </h1>

      <form ref={formRef} onSubmit={handleSubmit} noValidate>
       <div className="mb-3">
        <label htmlFor="fullname" className="form-label fw-semibold">
         Full Name
        </label>
        <input
         id="fullname"
         name="fullname"
         type="text"
         className="form-control"
         defaultValue="Om Dev"
         required
        />
        <div className="invalid-feedback">Please enter your full name.</div>
       </div>

       <div className="mb-3">
        <label htmlFor="email" className="form-label fw-semibold">
         Email
        </label>
        <input
         id="email"
         name="email"
         type="email"
         className="form-control"
         defaultValue="omdev@example.com"
         required
         autoComplete="email"
        />
        <div className="invalid-feedback">Please provide a valid email.</div>
       </div>

       <div className="mb-3">
        <label htmlFor="newpass" className="form-label fw-semibold">
         New Password
        </label>
        <input
         id="newpass"
         name="newpass"
         type="password"
         className="form-control"
         placeholder="Leave blank to keep current"
         autoComplete="new-password"
        />
        <div className="form-text">Use at least 8 characters for a strong password.</div>
       </div>

       <div className="mb-4">
        <label htmlFor="confirmpass" className="form-label fw-semibold">
         Confirm New Password
        </label>
        <input
         id="confirmpass"
         name="confirmpass"
         type="password"
         className="form-control"
         placeholder="Repeat new password"
         autoComplete="new-password"
        />
        <div className="invalid-feedback">Passwords do not match.</div>
       </div>

       <div className="d-grid">
        <button type="submit" className="btn btn-primary fw-semibold">
```

```
            Update Profile
          </button>
        </div>
      </form>
    </div>
  </div>
</div>

 {/* ✅ Success Modal */}
<div
  className="modal fade"
  id="successModal"
  tabIndex="-1"
  aria-labelledby="successModalLabel"
  aria-hidden="true"
>
  <div className="modal-dialog modal-dialog-
centered">
    <div className="modal-content">
      <div className="modal-header">
        <h5 className="modal-title"
id="successModalLabel">
          Profile Updated
        </h5>
        <button
          type="button"
          className="btn-close"
          data-bs-dismiss="modal"
          aria-label="Close"
        />
      </div>
      <div className="modal-body">
        Your profile has been updated
successfully (demo only).
      </div>
      <div className="modal-footer">
        <button
          type="button"
          className="btn btn-secondary"
          data-bs-dismiss="modal"
        >
          Close
        </button>
      </div>
          </div>
        </div>
      </div>
    </>
  );
}
```

Output :





Conclusion:

We successfully implemented Profile Page.

Assignment 8 : Contact Page

Aim :

To design and implement a Contact Page that allows users to send feedback or inquiries through a structured form integrated into the TravelWorld website.

Theory :

The Contact Page acts as an interactive bridge between users and the website administrators. It provides users a simple and organized way to share their messages, questions, or concerns.

In React, forms are handled using controlled components, meaning each input field's value is tied to React state. This ensures data consistency and allows easy validation before submission.

Core concepts used:

React useState Hook: For managing form field values (name, email, message).

Form Validation: Ensures that the fields are not empty before submission.

Event Handling: Captures and manages user inputs using onChange and onSubmit events.

Responsive Design: Styled using Bootstrap to maintain consistent UI across devices.

The Contact Page also strengthens user trust and enhances engagement by showing the brand's responsiveness and transparency

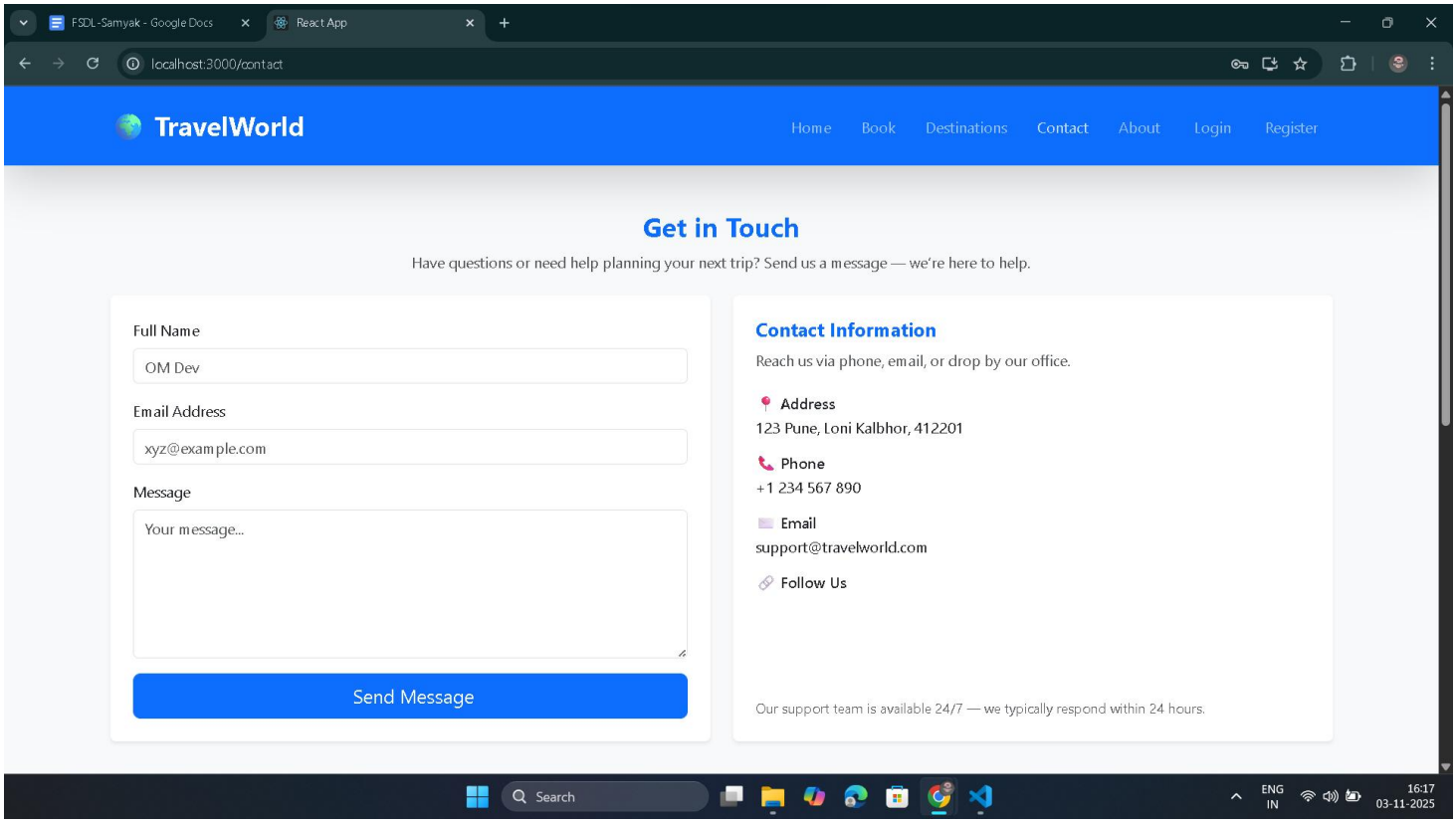
Code :

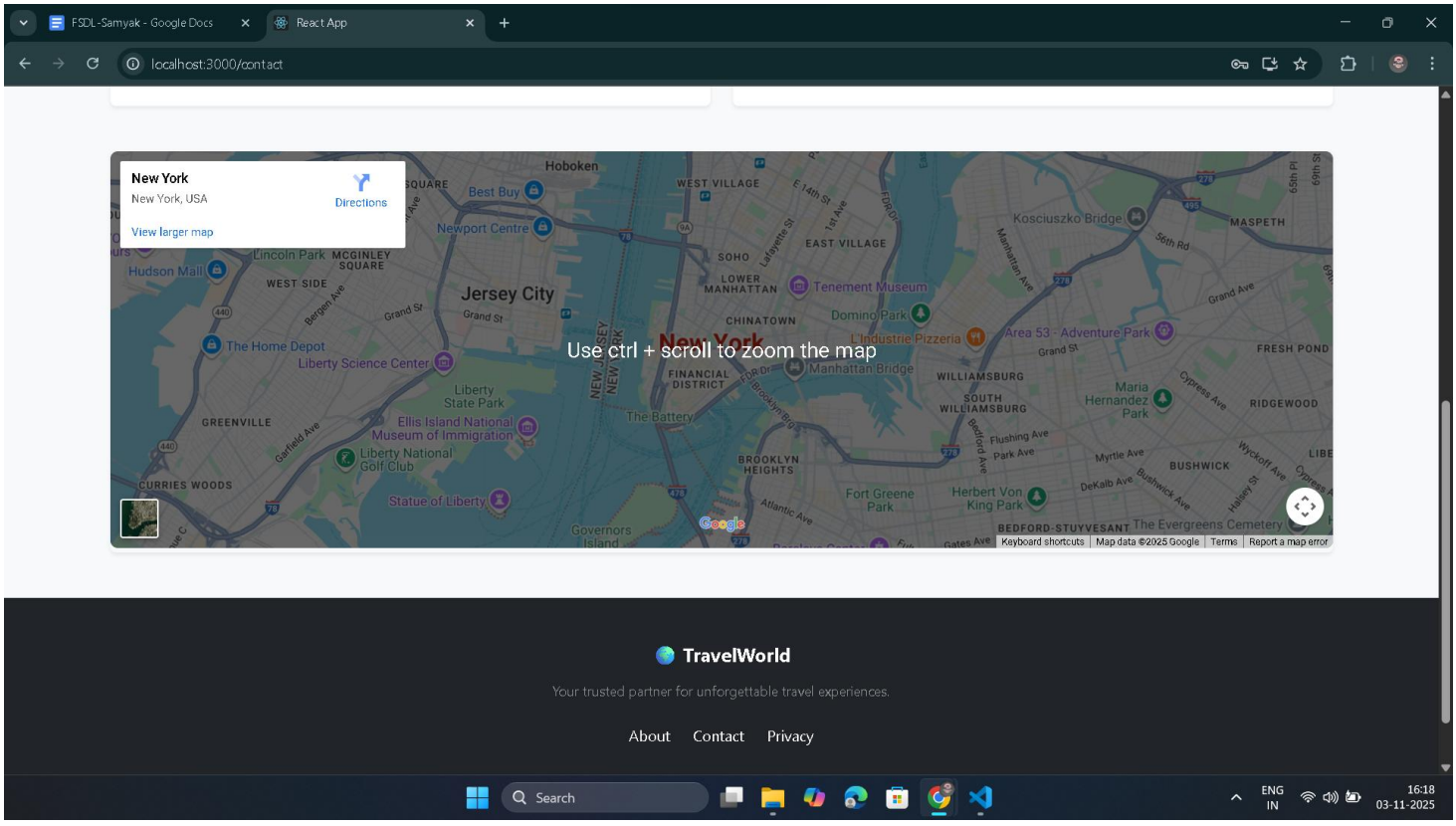
```
import React, { useEffect } from "react";
import "bootstrap/dist/css/bootstrap.min.css";
import "aos/dist/aos.css";
import AOS from "aos";

function Contact() {
 useEffect(() => {
  AOS.init({ duration: 900, once: true, offset:
80 });
 }, []);

 const handleSubmit = (e) => {
  e.preventDefault();
  e.target.classList.add("was-validated");
  if (!e.target.checkValidity()) return;
  alert("Thanks — your message was sent
(demo). We'll get back to you soon.");
  e.target.reset();
  e.target.classList.remove("was-validated");
 };

 return (
  <div className="bg-light min-vh-100 d-flex
flex-column">
   <main className="container py-5 flex-grow-
1">
    <div className="row justify-content-center
mb-4">
     <div className="col-lg-8 text-center">
      <h1
       className="h3 fw-bold text-primary
mb-2 display-contact"
       data-aos="fade-down"
      >
       Get in Touch
      </h1>
      <p className="text-muted mb-0">
       Have questions or need help planning
your next trip? Send us a
       message — we're here to help.
      </p>
     </div>
    </div>

    <div className="row g-4">
     <div className="col-lg-6" data-aos="fade-
right">
      <div className="bg-white p-4 rounded
shadow-sm">
       <form
        className="needs-validation"
        noValidate
        onSubmit={handleSubmit}
       >
        <div className="mb-3">
         <label className="form-label">Full
Name</label>
         <input
          type="text"
          className="form-control"
          placeholder="OM Dev"
          required
         />
         <div className="invalid-
feedback">Please enter your name.</div>
        </div>

        <div className="mb-3">
         <label className="form-label">Email
Address</label>
         <input
          type="email"
          className="form-control"
          placeholder="xyz@example.com"
          required
         />
         <div className="invalid-feedback">
          Please enter a valid email.
         </div>
        </div>

        <div className="mb-3">
         <label className="form-
label">Message</label>
         <textarea
          rows="6"
          className="form-control"
          placeholder="Your message..."
          required
         ></textarea>
         <div className="invalid-feedback">
          Please write your message.
         </div>
        </div>

        <div className="d-grid">
         <button className="btn btn-primary
btn-lg" type="submit">
          <i className="fas fa-paper-plane me-
2"></i>Send Message
         </button>
        </div>
       </form>
      </div>
     </div>
```

```
      <div className="col-lg-6" data-aos="fade-left">
        <div className="bg-white p-4 rounded shadow-sm h-100 d-flex flex-column justify-content-between">
          <div>
            <h2 className="h5 text-primary fw-bold">Contact Information</h2>
            <p className="text-muted mb-4">
              Reach us via phone, email, or drop by our office.
            </p>

            <div className="mb-3">
              <h6 className="fw-semibold mb-1">Address</h6>
              <p>123 Pune, Loni Kalbhor, 412201</p>
            </div>

            <div className="mb-3">
              <h6 className="fw-semibold mb-1">Phone</h6>
              <p>
                <a
                  href="tel:+1234567890"
                  className="text-decoration-none text-dark"
                >
                  +1 234 567 890
                </a>
              </p>
            </div>

            <div className="mb-3">
              <h6 className="fw-semibold mb-1">Email</h6>
              <p>
                <a
                  href="mailto:support@travelworld.com"
                  className="text-decoration-none text-dark"
                >
                  support@travelworld.com
                </a>
              </p>
            </div>

            <div>
              <h6 className="fw-semibold mb-1">Follow Us</h6>
              <div className="d-flex gap-3 align-items-center">
                <a href="https://facebook.com" target="_blank" rel="noopener noreferrer" className="text-primary">
                  <i className="fab fa-facebook-f fa-lg"></i>
                </a>
                <a href="https://twitter.com" target="_blank" rel="noopener noreferrer" className="text-info">
                  <i className="fab fa-twitter fa-lg"></i>
                </a>
                <a href="https://instagram.com" target="_blank" rel="noopener noreferrer" className="text-danger">
                  <i className="fab fa-instagram fa-lg"></i>
                </a>

              </div>
            </div>
          </div>

          <p className="small mb-0 text-muted mt-3">
            Our support team is available 24/7 — we typically respond within
            24 hours.
          </p>
        </div>
      </div>

      <div className="row mt-5" data-aos="zoom-in">
        <div className="col-12">
          <div className="shadow-sm rounded overflow-hidden">
            <iframe
              title="TravelWorld location"
              src="https://maps.google.com/maps?q=new%20york&t=&z=13&ie=UTF8&iwloc=&output=embed"
              className="w-100 border-0"
              style={{ height: "420px", borderRadius: "0.5rem" }}
              loading="lazy"
            ></iframe>
          </div>
        </div>
      </div>
    </main>
  </div>
```

```
  );
}

export default Contact;
```

Output :





Conclusion:

The Contact Page was successfully implemented using React and Bootstrap.

It demonstrates the use of state management, form handling, and conditional rendering in React.

Assignment 9 : Routing and Component Structure

Aim :

The aim of this assignment is to implement smooth navigation and a modular component structure in the Travel World React project using React Router DOM.

This ensures that users can easily move between pages like Home, About, Destinations, Contact, and Profile without page reloads, while keeping the code organized, reusable, and easy to maintain.

Theory :

1.Introduction

Routing and component structuring are two core pillars of any modern React-based project.

In a traditional multi-page website, each navigation click loads a new HTML document from the server, which is slow and interrupts the user experience.

React introduces a Single Page Application (SPA) approach, where content dynamically updates within one main HTML file using virtual DOM manipulation.

This gives instant transitions, faster performance, and a native-app-like user feel.

The Travel World project uses this principle to allow travelers to explore destinations, read about the company, and contact the team all through seamless internal routing powered by React Router DOM.

2. Concept of Routing in React

Routing in React means controlling which UI component appears based on the current URL path.

The React Router DOM library manages this by mapping URLs to components without requiring full page reloads.

Key Components of React Router DOM:

BrowserRouter: Wraps the entire app and enables routing capabilities.

Routes: Acts as a container for all the routes.

Route: Defines a path and tells which component should be displayed for that path.

Link / NavLink: Enables navigation between routes without refreshing the browser.

useNavigate() & useLocation(): Hooks that help in programmatic navigation and accessing route data.

When the user clicks a link like /about, React Router updates the URL in the address bar but renders the About component dynamically instead of reloading the page.

This mechanism gives the illusion of a multi-page website while maintaining SPA performance.

3. Routing in Travel World

In the Travel World project:

The Navbar contains navigation links.

Each link is a React Router <Link> element.

App.jsx defines the routes and ensures each page component loads inside the same layout.

BrowserRouter wraps the entire app to make routing accessible globally.

Footer remains constant across all pages for design consistency.

This structure gives users an uninterrupted browsing experience switching pages feels instantaneous.

4. Component-Based Architecture

React promotes component-based development, where each UI part is treated as an independent block of code.

Each component has its own structure, style, and logic, which can be reused across pages.

In Travel World, the interface is divided into:

Navbar → Handles page navigation.

Home → Highlights popular travel destinations.

About → Explains project purpose and travel services.

Contact → Provides inquiry form for users.

Profile → Displays user details or preferences.

Footer → Stays fixed at the bottom for contact/social links.

This modular approach ensures:

Easier debugging and maintenance.

Reusable UI elements.

Better separation of concerns (each component does one task).

5. Data Flow and Reusability

Each component can communicate via props (for passing data) and state (for handling internal logic).

For example, destination cards or navigation links can be stored in arrays and rendered using the map() function reducing code duplication.

Reusability ensures that if a component like Navbar or Footer is modified once, the change reflects across all pages automatically.

6. Advantages of Routing and Modular Components

Fast Navigation: No reloading — smoother experience.

Consistency: Shared layout components across all routes.

Maintainability: Each component is independent and easy to update.

Scalability: Adding new pages only requires creating a new component and defining a new Route.

Performance: Only the necessary components re-render when routes change.

7. Security and Protected Routes

In future enhancements, Travel World can implement protected routes for user-only sections like Profile or Bookings.

This ensures that only logged-in users can access specific pages, adding a layer of security and personalization.

Code :

App.jsx

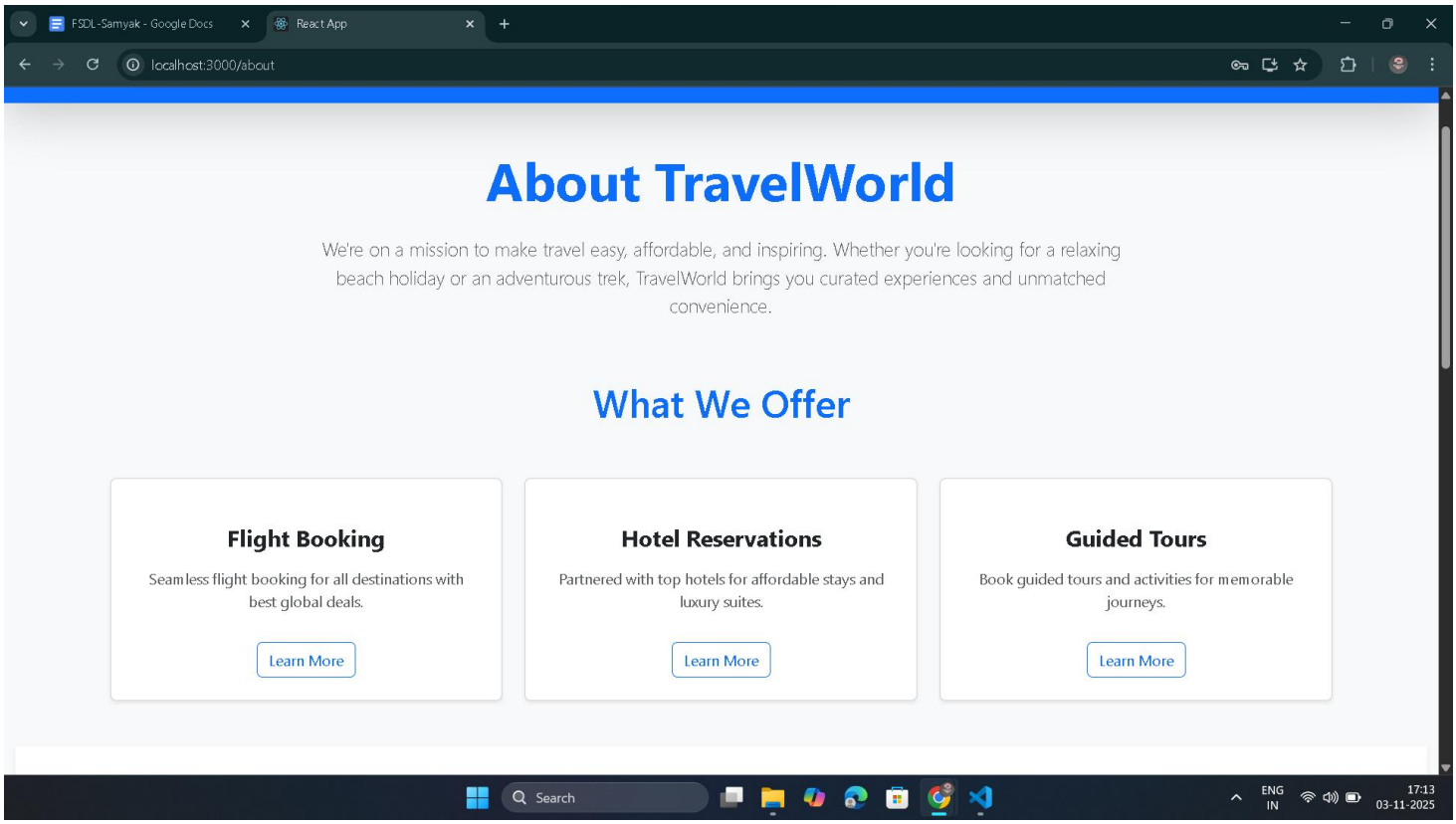
```
import React, { useEffect } from "react";
import { BrowserRouter as Router, Routes, Route }
from "react-router-dom";
import AOS from "aos";

import Home from "./pages/Home";
import Booking from "./pages/Booking";
import Destinations from "./pages/Destinations";
import Contact from "./pages/Contact";
import About from "./pages/About";
import Login from "./pages/Login";
import Register from "./pages/Register";

import Navbar from "./Components/Navbar";
import Footer from "./Components/Footer";

function App() {
 useEffect(() => {
  AOS.init({ once: true, duration: 600 });
 }, []);

 return (
  <Router>
   <div  className="d-flex  flex-column  min-vh-
100 bg-light">
    <Navbar />
    <main className="flex-grow-1">
     <Routes>
      <Route path="/" element={<Home />} />
      <Route                          path="/booking"
element={<Booking />} />
      <Route                    path="/destinations"
element={<Destinations />} />
      <Route                           path="/contact"
element={<Contact />} />
      <Route path="/about" element={<About />}
/>
      <Route path="/login" element={<Login />}
/>
      <Route                          path="/register"
element={<Register />} />
     </Routes>
    </main>
    <Footer />
   </div>
  </Router>
 );
}

export default App;
```

Navbar.jsx

```
import React from "react";
import { Link, useNavigate } from "react-router-dom";

export default function Navbar() {
 const navigate = useNavigate();

 const currentUser = (() => {
  try {
   return JSON.parse(sessionStorage.getItem("loggedInUser"));
  } catch (e) {
   return null;
  }
 })();

 function handleLogout() {
  sessionStorage.removeItem("loggedInUser");
  navigate("/login");
 }

 return (
  <nav className="navbar navbar-expand-lg navbar-dark bg-primary shadow-lg py-3">
   <div className="container">
    <Link className="navbar-brand fs-3 fw-bold" to="/">
       TravelWorld
    </Link>

    <button
     className="navbar-toggler"
     type="button"
     data-bs-toggle="collapse"
     data-bs-target="#mainNav"
    >
     <span className="navbar-toggler-icon" />
    </button>

    <div className="collapse navbar-collapse" id="mainNav">
     <ul className="navbar-nav ms-auto align-items-lg-center fs-6">
      <li className="nav-item">
       <Link className="nav-link px-3" to="/">Home</Link>
      </li>
      <li className="nav-item">
       <Link className="nav-link px-3" to="/booking">Book</Link>
      </li>
      <li className="nav-item">
       <Link className="nav-link px-3" to="/destinations">Destinations</Link>
      </li>
      <li className="nav-item">
       <Link className="nav-link px-3" to="/contact">Contact</Link>
      </li>
      <li className="nav-item">
       <Link className="nav-link px-3" to="/about">About</Link>
      </li>

      {currentUser ? (
       <>
        <li className="nav-item">
         <Link
          className="nav-link d-flex align-items-center px-3"
          to="/profile"
          title="Profile"
         >
          <i className="fas fa-user me-1" /> {currentUser.name || "Profile"}
         </Link>
        </li>
        <li className="nav-item">
         <button
          className="btn btn-outline-light btn-sm ms-2"
          onClick={handleLogout}
         >
          Logout
         </button>
        </li>
       </>
      ) : (
       <>
        <li className="nav-item">
         <Link
          className="nav-link d-flex align-items-center px-3"
          to="/login"
          title="Login"
         >
          <i className="fas fa-sign-in-alt me-1" /> Login
         </Link>
        </li>
        <li className="nav-item">
         <Link
```

```
            className="nav-link d-flex align-                </>
items-center px-3"                                          )}
            to="/register"                                 </ul>
            title="Register"                              </div>
           >                                             </div>
            <i className="fas fa-user-plus me-1"         </nav>
/> Register                                               );
          </Link>                                        }
         </li>
```

Output :



Conclusion :

We successfully implemented Components.

Assignment 10 : Full React Application

Aim :

To implement efficient navigation and modular code design in a React-based travel website using React Router for page transitions and reusable components for interface design. The primary goal is to create a single-page application structure where multiple views such as Home, About, Contact, and Profile can be accessed seamlessly without reloading the entire page. Furthermore, the objective includes structuring the user interface into reusable and self-contained components, thereby improving readability, maintainability, and scalability.

Theory :

- **All About React**

  Setting up a React project involves using Create React App, a command-line tool that provides a ready- to-use environment for React development. This setup automatically includes important tools like Webpack, Babel, and ESLint, saving developers from manual configuration. The folder structure typically includes directories for components, pages, and assets, promoting modular design and easy scalability.
  Once the project is initialized, React Router DOM is introduced to handle navigation. Traditional web pages refresh entirely when moving between routes, but React applications use client-side routing, which dynamically replaces the visible portion of the DOM without a full reload. The BrowserRouter component acts as the foundation of routing, while Route and Routes determine which component to render based on the current path. This approach creates a seamless user experience.
  The Navbar is implemented as a reusable component using React Bootstrap or standard HTML/CSS, containing navigation links. Each link is created using the Link component instead of traditional anchor tags to prevent reloading. The Navbar stays consistent across all pages, while the content below it dynamically changes based on the route. This architecture mimics the structure of real-world web applications where only part of the UI updates, providing both performance and design advantages.

  Our project TravelWorld is a responsive travel booking website built using React JS and Bootstrap, designed to give users a modern and interactive travel experience. The platform allows users to explore travel destinations, check booking options, and contact the service team — all within a single-page interface.

  To achieve this functionality, we implemented React Router DOM, which allows for smooth navigation between multiple sections without a full page reload. Instead of traditional HTML navigation, where each click reloads the entire page, React Router dynamically renders different components based on the current URL path, ensuring faster performance and better user experience.

The BrowserRouter component wraps the entire app, acting as the main controller for route handling. Inside it, we used the Routes and Route components to define all pages, such as /about, /booking, /contact, and /profile.
Each route corresponds to a React component that represents a page. This setup allows the user to move from one section to another instantly while maintaining the state of the application.

The Navbar component was made reusable and placed at the top of all pages. It includes links for navigation using the Link element from React Router, replacing the traditional <a> tag. This ensures client-side navigation without reloading the browser window. The Navbar also uses conditional rendering — if the user is logged in, it displays the Profile and Logout options; otherwise, it shows Login and Signup.

Similarly, the Footer component appears on every page and contains general copyright and contact information.
Each part of the user interface, including content cards and forms, is created as a separate React component to follow the modular and reusable design pattern. This makes the app scalable and easier to maintain.

By dividing our project into smaller components, we maintained clear separation of logic and design. For example:

The Navbar handles navigation and authentication visibility.

The ProductCard (or DestinationCard) handles display of travel destinations.

The Footer ensures consistent layout across all routes.

This modularity follows the principle of Separation of Concerns, allowing different developers to work independently on different sections without conflict.
As a result, TravelWorld achieves a professional-grade, user-friendly structure that is both easy to extend and maintain.

Code :

```
import React, { useEffect, useRef } from "react";
import AOS from "aos";
import "aos/dist/aos.css";
import "bootstrap/dist/css/bootstrap.min.css";
import
"bootstrap/dist/js/bootstrap.bundle.min.js";

export default function Booking() {
  const modalRef = useRef();

  useEffect(() => {
    AOS.init({ duration: 800, once: true, offset:
80 });

    // set min date
    const today = new
Date().toISOString().split("T")[0];
    document.getElementById("startDate").setAttrib
ute("min", today);

    document.getElementById("endDate").setAttribu
te("min", today);
  }, []);

  const handleSubmit = (e) => {
    e.preventDefault();
    const form = e.target;
    if (!form.checkValidity()) {
      form.classList.add("was-validated");
      return;
    }

    const startVal = form.startDate.value;
    const endVal = form.endDate.value;
```

```
  if (new Date(endVal) < new Date(startVal)) {
    alert("End date must be after start date!");
    return;
  }

  const modal = new
window.bootstrap.Modal(modalRef.current);
  modal.show();
  form.reset();
  form.classList.remove("was-validated");
 };

 return (
  <div className="d-flex flex-column min-vh-
100 bg-light">
   <main className="container py-5 flex-grow-
1">
    <div className="row justify-content-
center">
     <div className="col-12 col-md-8 col-lg-6"
data-aos="zoom-in">
      <div className="card card-rounded
shadow-sm">
       <div className="card-body p-4">
        <h2 className="h4 text-primary fw-bold
text-center mb-3">
         <i className="fas fa-plane-departure
me-2"></i>Book Your Trip
        </h2>
        <p className="text-muted text-center
mb-4">
         Tell us basic details and we'll prepare a
booking (demo).
        </p>

        <form id="bookingForm"
className="needs-validation" noValidate
onSubmit={handleSubmit}>
         <div className="mb-3">
          <label htmlFor="destination"
className="form-label">Select
Destination</label>
          <select id="destination"
name="destination" className="form-select"
required>
           <option value="">Choose
destination</option>
           <option
value="paris">Paris</option>
           <option
value="london">London</option>
           <option
value="tokyo">Tokyo</option>
           <option
value="dubai">Dubai</option>
          </select>
          <div className="invalid-
feedback">Please choose a destination.</div>
         </div>

         <div className="row g-3 mb-3">
          <div className="col-6">
           <label htmlFor="startDate"
className="form-label">Start Date</label>
           <input id="startDate"
name="startDate" type="date" className="form-
control" required />
           <div className="invalid-
feedback">Start date is required.</div>
          </div>
          <div className="col-6">
           <label htmlFor="endDate"
className="form-label">End Date</label>
           <input id="endDate" name="endDate"
type="date" className="form-control" required
/>
           <div className="invalid-
feedback">End date is required and must be after
start date.</div>
          </div>
         </div>

         <div className="mb-3">
          <label htmlFor="travelers"
className="form-label">Number of
Travelers</label>
          <input id="travelers" name="travelers"
type="number" min="1" max="20"
className="form-control" placeholder="e.g. 2"
required />
          <div className="invalid-
feedback">Enter a number of travelers (1–
20).</div>
         </div>

         <div className="mb-4">
          <label htmlFor="requests"
className="form-label">Special
Requests</label>
          <textarea id="requests"
name="requests" rows="4" className="form-
control" placeholder="Any special
requirements..."></textarea>
         </div>

         <div className="d-grid">
```

```
            <button type="submit"
className="btn btn-primary btn-lg">
              <i className="fas fa-check me-
2"></i>Submit Booking
            </button>
           </div>
          </form>
         </div>
        </div>
       </div>
      </div>
    </main>

    {/* Success Modal */}
    <div className="modal fade" ref={modalRef}
tabIndex="-1">
     <div className="modal-dialog modal-dialog-
centered">
      <div className="modal-content">
       <div className="modal-header">
        <h5 className="modal-title">Booking
Submitted</h5>
        <button type="button" className="btn-
close" data-bs-dismiss="modal"></button>
       </div>
       <div className="modal-body">
        Your booking request was submitted
successfully (demo). You'll receive confirmation
soon.
       </div>
       <div className="modal-footer">
        <a href="/profile" className="btn btn-
outline-primary">Go to Profile</a>
        <button type="button" className="btn
btn-secondary" data-bs-
dismiss="modal">Close</button>
       </div>
      </div>
     </div>
    </div>
  );
}



import React, { useEffect } from "react";
import AOS from "aos";
import "aos/dist/aos.css";
import "bootstrap/dist/css/bootstrap.min.css";

export default function About() {
 useEffect(() => {
  AOS.init({ duration: 800, once: true });
 }, []);

 return (
  <div className="bg-light d-flex flex-column
min-vh-100">
   <main className="container-fluid py-5 flex-
grow-1">
    <section className="container mb-5" data-
aos="fade-down">
     <div className="row justify-content-center
text-center">
      <div className="col-lg-8">
       <h2 className="display-4 fw-bold text-
primary mb-4">About TravelWorld</h2>
       <p className="lead text-muted">
        We're on a mission to make travel easy,
affordable, and inspiring.
        Whether you're looking for a relaxing
beach holiday or an adventurous trek,
        TravelWorld brings you curated
experiences and unmatched convenience.
       </p>
      </div>
     </div>
    </section>

    <section className="container mb-5" data-
aos="fade-up">
     <div className="row text-center mb-5">
      <h3 className="h1 fw-semibold text-
primary">What We Offer</h3>
     </div>

     <div className="row g-4">
      {[ { icon: "plane-departure", title:
"Flight Booking", text: "Seamless flight booking
for all destinations with best global deals." },
       { icon: "hotel", title: "Hotel Reservations",
text: "Partnered with top hotels for affordable
stays and luxury suites." },
       { icon: "map-marked-alt", title: "Guided
Tours", text: "Book guided tours and activities for
memorable journeys." },
      ].map((item, i) => (
       <div className="col-lg-4 col-md-6"
key={i}>
        <div className="card h-100 shadow-
sm">
         <div className="card-body text-center
p-4">
          <div className="mb-4">
           <i className={`fas fa-${item.icon}
```

```
display-3 text-primary`}></i>
              </div>
              <h4 className="fw-bold mb-
3">{item.title}</h4>
              <p className="text-
muted">{item.text}</p>
              <button className="btn btn-outline-
primary mt-3">Learn More</button>
             </div>
            </div>
           </div>
          ))}
        </div>
      </section>

      <section className="bg-white py-5 shadow-
sm" data-aos="fade-up">
        <div
  className="d-flex flex-wrap justify-content-
center align-items-center gap-4 mt-4"
  style={{ rowGap: "2rem" }}
>
  {["expedia.png", "booking-bg.png", "travel-
banner.jpg", "beache.jpg"].map(
   (img, i) => (
    <div
     key={i}
     style={{
      width: "120px",
      height: "80px",
      display: "flex",
      justifyContent: "center",
      alignItems: "center",
      borderRadius: "10px",
      overflow: "hidden",
      backgroundColor: "#fff",
      boxShadow: "0 4px 8px rgba(0,0,0,0.1)",
     }}
    >
     <img
      src={`/Images/${img}`}
      alt={`partner-${i}`}
      className="img-fluid"
      style={{
       width: "100%",
       height: "100%",
       objectFit: "cover",
      }}
     />
    </div>
   )
  )}
</div>
      </section>

      <section className="container my-5" data-
aos="fade-up">
        <div className="text-center mb-5">
         <h3 className="h1 fw-semibold text-
primary">Why Choose TravelWorld?</h3>
        </div>
        <div className="row g-4">
         {[          { icon: "star", title: "Expert
Guidance", desc: "Personalized itineraries by
travel experts with 24/7 support." },
          { icon: "headset", title: "24/7 Customer
Support", desc: "Round-the-clock assistance
before, during, and after trips." },
          { icon: "shield-alt", title: "Secure Booking",
desc: "Encrypted transactions and advanced data
protection." },
          { icon: "globe", title: "Global Reach", desc:
"Access to 500+ destinations worldwide with
trusted partners." },
         ].map((item, i) => (
          <div className="col-lg-6" key={i}>
           <div className="d-flex align-items-start
p-3">
            <div className="bg-primary rounded-
circle p-3 me-4">
             <i className={`fas fa-${item.icon} text-
white fa-lg`}></i>
            </div>
            <div>
             <h5 className="fw-
bold">{item.title}</h5>
             <p className="text-muted mb-
0">{item.desc}</p>
            </div>
           </div>
          </div>
         ))}
        </div>
      </section>

      <section className="container text-center
mb-5" data-aos="fade-up">
        <div className="bg-primary text-white p-5
rounded-3">
         <h3 className="fw-bold mb-3">Ready to
Start Your Journey?</h3>
         <p className="lead mb-4">Join thousands
of satisfied travelers who trust TravelWorld.</p>
         <div className="d-flex flex-column flex-
sm-row gap-3 justify-content-center">
```

```
          <button className="btn btn-light btn-lg
px-4">
            <i className="fas fa-search me-
2"></i>Explore Destinations
          </button>
          <button className="btn btn-outline-light
btn-lg px-4">
            <i className="fas fa-phone me-
2"></i>Contact Us
          </button>
         </div>
        </div>
      </section>
    </main>
   </div>
  );
}


import React, { useEffect } from "react";
import "bootstrap/dist/css/bootstrap.min.css";
import "aos/dist/aos.css";
import AOS from "aos";

function Contact() {
  useEffect(() => {
   AOS.init({ duration: 900, once: true, offset:
80 });
  }, []);

  const handleSubmit = (e) => {
   e.preventDefault();
   e.target.classList.add("was-validated");
   if (!e.target.checkValidity()) return;
   alert("Thanks — your message was sent
(demo). We'll get back to you soon.");
   e.target.reset();
   e.target.classList.remove("was-validated");
  };

  return (
   <div className="bg-light min-vh-100 d-flex
flex-column">
    <main className="container py-5 flex-grow-
1">
     <div className="row justify-content-center
mb-4">
      <div className="col-lg-8 text-center">
       <h1
        className="h3 fw-bold text-primary mb-
2 display-contact"
        data-aos="fade-down"
       >
        Get in Touch
       </h1>
       <p className="text-muted mb-0">
        Have questions or need help planning
your next trip? Send us a
        message — we're here to help.
       </p>
      </div>
     </div>

     <div className="row g-4">
      <div className="col-lg-6" data-aos="fade-
right">
       <div className="bg-white p-4 rounded
shadow-sm">
        <form
         className="needs-validation"
         noValidate
         onSubmit={handleSubmit}
        >
         <div className="mb-3">
          <label className="form-label">Full
Name</label>
          <input
           type="text"
           className="form-control"
           placeholder="OM Dev"
           required
          />
          <div className="invalid-
feedback">Please enter your name.</div>
         </div>

         <div className="mb-3">
          <label className="form-label">Email
Address</label>
          <input
           type="email"
           className="form-control"
           placeholder="xyz@example.com"
           required
          />
          <div className="invalid-feedback">
           Please enter a valid email.
          </div>
         </div>

         <div className="mb-3">
          <label className="form-
label">Message</label>
          <textarea
           rows="6"
           className="form-control"
```

```
            placeholder="Your message..."
            required
           ></textarea>
           <div className="invalid-feedback">
            Please write your message.
           </div>
          </div>

          <div className="d-grid">
           <button className="btn btn-primary
btn-lg" type="submit">
            <i className="fas fa-paper-plane me-
2"></i>Send Message
           </button>
          </div>
         </form>
        </div>
       </div>

       <div className="col-lg-6" data-aos="fade-
left">
        <div className="bg-white p-4 rounded
shadow-sm h-100 d-flex flex-column justify-
content-between">
         <div>
          <h2 className="h5 text-primary fw-
bold">Contact Information</h2>
          <p className="text-muted mb-4">
           Reach us via phone, email, or drop by
our office.
          </p>

          <div className="mb-3">
           <h6 className="fw-semibold mb-1">
Address</h6>
           <p>123 Pune, Loni Kalbhor,
412201</p>
          </div>

          <div className="mb-3">
           <h6 className="fw-semibold mb-1">
Phone</h6>
           <p>
            <a
             href="tel:+1234567890"
             className="text-decoration-none
text-dark"
            >
             +1 234 567 890
            </a>
           </p>
          </div>

          <div className="mb-3">
           <h6 className="fw-semibold mb-1">
Email</h6>
           <p>
            <a

href="mailto:support@travelworld.com"
             className="text-decoration-none
text-dark"
            >
             support@travelworld.com
            </a>
           </p>
          </div>

          <div>
           <h6 className="fw-semibold mb-1">
Follow Us</h6>
           <div className="d-flex gap-3 align-
items-center">
            <a href="https://facebook.com"
target="_blank" rel="noopener noreferrer"
className="text-primary">
 <i className="fab fa-facebook-f fa-lg"></i>
</a>
<a href="https://twitter.com" target="_blank"
rel="noopener noreferrer" className="text-
info">
 <i className="fab fa-twitter fa-lg"></i>
</a>
<a href="https://instagram.com" target="_blank"
rel="noopener noreferrer" className="text-
danger">
 <i className="fab fa-instagram fa-lg"></i>
</a>

           </div>
          </div>
         </div>

         <p className="small mb-0 text-muted
mt-3">
          Our support team is available 24/7 — we
typically respond within
          24 hours.
         </p>
        </div>
       </div>
      </div>

      <div className="row mt-5" data-aos="zoom-
in">
       <div className="col-12">
```

```
        <div className="shadow-sm rounded
overflow-hidden">
          <iframe
            title="TravelWorld location"

src="https://maps.google.com/maps?q=new%20
york&t=&z=13&ie=UTF8&iwloc=&output=embed
"
            className="w-100 border-0"
            style={{ height: "420px", borderRadius:
"0.5rem" }}
            loading="lazy"
          ></iframe>
        </div>
      </div>
    </div>
  </main>
 </div>
);
}

export default Contact;



// src/pages/Destinations.jsx
import React, { useEffect, useMemo, useState }
from "react";
import AOS from "aos";
import "aos/dist/aos.css";
import "bootstrap/dist/css/bootstrap.min.css";

export default function Destinations() {
 useEffect(() => {
  AOS.init({ duration: 800, once: true, offset:
80 });
 }, []);

 const destinations = useMemo(() => [
  { name: "Paris, France", image:
"/images/paris.jpg", desc: "Enjoy the city of love
with iconic landmarks like the Eiffel Tower and
the Louvre." },
  { name: "Tokyo, Japan", image:
"/images/tokyo.jpg", desc: "Experience vibrant
culture, tech-forward districts and timeless
temples." },
  { name: "Dubai, UAE", image:
"/images/dubai.jpg", desc: "Explore luxury
shopping, desert safaris and world-class
architecture." },
  { name: "India", image: "/images/india.jpg",
desc: "A vibrant, sensory-rich destination full of
culture, food and diverse landscapes." },
  { name: "New York, USA", image:
"/images/cityscape.jpg", desc: "See Times Square,
Central Park and iconic skyline experiences." },
  { name: "Bali, Indonesia", image:
"/images/beach.jpg", desc: "Tropical beaches,
temples and relaxed island life." },
  { name: "Rome, Italy", image:
"/images/rome.jpg", desc: "Walk through history
visiting the Colosseum and Vatican." },
  { name: "Cape Town, South Africa", image:
"/images/mountains.jpg", desc: "Table Mountain,
coastal scenery and wildlife experiences." },
  { name: "London, UK", image:
"/images/london.jpg", desc: "Big Ben, the London
Eye and world-class museums." },
  { name: "Switzerland", image:
"/images/switzerland.jpg", desc: "Alpine vistas,
lakes and charming villages." },
  { name: "Santorini, Greece", image:
"/images/santorini.jpg", desc: "Whitewashed
houses, blue domes and breathtaking sunsets
over the Aegean." },
  { name: "Machu Picchu, Peru", image:
"/images/machu.jpg", desc: "Ancient Incan
citadel set high in the Andes — a bucket-list
archaeological wonder." }
 ], []);

 const [query, setQuery] = useState("");

 const results = useMemo(() => {
  const q = query.trim().toLowerCase();
  if (!q) return [];
  return destinations.filter(d =>
   d.name.toLowerCase().includes(q) ||
d.desc.toLowerCase().includes(q)
  );
 }, [query, destinations]);

 function handleImgError(e) {
  e.currentTarget.onerror = null;
  e.currentTarget.src =
"/images/placeholder.jpg";
 }

 return (
  <div className="bg-light min-vh-100 d-flex
flex-column">
   <header className="text-center bg-white py-
5">
    <div className="container">
     <h1 className="display-6 fw-bold text-
primary mb-3" data-aos="fade-down">
```

```
        Top Travel Destinations
      </h1>
      <p className="text-muted mb-3" data-aos="fade-up">
        Discover curated destinations — beach escapes, city breaks, nature retreats, and more.
      </p>

      <div className="row justify-content-center mt-4" data-aos="fade-up" data-aos-delay="100">
        <div className="col-11 col-md-8 col-lg-6">
          <div className="input-group shadow-sm rounded-pill overflow-hidden">
            <input
              type="search"
              className="form-control border-0"
              placeholder="Search destinations or features (e.g. 'beach', 'Rome', 'mountain')"
              aria-label="Search destinations"
              value={query}
              onChange={(e) => setQuery(e.target.value)}
            />
            <button
              type="button"
              className="btn btn-primary"
              onClick={() => setQuery("")}
              aria-label="Clear search"
            >
              Clear
            </button>
          </div>
        </div>
      </div>
    </header>

    <main className="container py-4">
      {query.trim() ? (
        <section className="mb-4" data-aos="fade-up">
          <div className="d-flex justify-content-between align-items-center mb-2">
            <h5 className="mb-0">Search results for <span className="text-primary">“{query}”</span></h5>
            <small className="text-muted">{results.length} match{results.length !== 1 ? "es" : ""}</small>
          </div>

          {results.length === 0 ? (
            <div className="alert alert-warning py-2">No destinations match your search. Try another term.</div>
          ) : (
            <div className="list-group">
              {results.map((r, idx) => (
                <div key={idx} className="list-group-item list-group-item-action d-flex align-items-start gap-3">
                  <img
                    src={r.image}
                    alt={r.name}
                    style={{ width: 96, height: 64, objectFit: "cover", borderRadius: 8 }}
                    loading="lazy"
                    onError={handleImgError}
                  />
                  <div className="flex-grow-1">
                    <div className="d-flex justify-content-between align-items-start">
                      <h6 className="mb-1">{r.name}</h6>
                      <a href="/booking" className="btn btn-sm btn-outline-primary">Book</a>
                    </div>
                    <p className="mb-0 text-muted small">{r.desc}</p>
                  </div>
                </div>
              ))}
            </div>
          )}
        </section>
      ) : null}

      <section data-aos="fade-up">
        <div className="row g-4">
          {destinations.map((d, i) => (
            <div className="col-12 col-md-6 col-lg-4" key={i} data-aos="zoom-in" data-aos-delay={i * 40}>
              <article className="card h-100 shadow-sm border-0 rounded-4 overflow-hidden">
                <img
                  src={d.image}
                  alt={d.name}
                  className="card-img-top"
                  style={{ height: 220, objectFit: "cover" }}
                  loading="lazy"
                  onError={handleImgError}
                />
                <div className="card-body d-flex flex-column">
```

```
            <h5 className="card-title text-
primary">{d.name}</h5>
            <p className="card-text text-muted
mb-3">{d.desc}</p>
            <div className="mt-auto d-flex
justify-content-between align-items-center">
              <a href="/booking" className="btn
btn-primary">Book Now</a>
              <small className="text-
muted">Popular</small>
            </div>
          </div>
        </article>
      </div>
    ))}
   </div>
  </section>
 </main>
</div>
);
}


import React from "react";
import { Link } from "react-router-dom";

export default function Home() {
 const slides = [
  {
   img: "https://images.unsplash.com/photo-
1506744038136-
46273834b3fb?auto=format&fit=crop&w=1950&
q=80",
   title: "Discover Your Next Adventure",
   subtitle: "Explore the world's most enchanting
destinations with TravelWorld.",
   cta: { to: "/booking", label: "Book Your Trip
Now" },
  },
  {
   img: "https://images.unsplash.com/photo-
1519125323398-
675f0ddb6308?auto=format&fit=crop&w=1950&
q=80",
   title: "Alpine Adventures Await",
   subtitle: "Experience charming villages
nestled in majestic mountains.",
   cta: { to: "/destinations", label: "Explore
Destinations" },
  },
  {
   img: "https://i.natgeofe.com/k/e924c4a8-
cf47-4621-9ef8-20884ad2444f/Pyramids-at-
Giza.png",
   title: "Ancient Wonders",
   subtitle: "Explore rich cultural heritage and
stunning architecture.",
   cta: { to: "/destinations", label: "Discover
History" },
  },
  {
   img: "https://images.unsplash.com/photo-
1441974231531-
c6227db76b6e?auto=format&fit=crop&w=1950&
q=80",
   title: "Nature's Serenity",
   subtitle: "Find peace in pristine forests and
cascading waterfalls.",
   cta: { to: "/destinations", label: "Plan Your
Escape" },
  },
  {
   img: "https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcTEgyFtk
bjmq1-7rFVLHNLFsUU1XbTO_w5xRw&s",
   title: "Urban Adventures",
   subtitle: "Experience vibrant cities that never
sleep.",
   cta: { to: "/destinations", label: "City Breaks" },
  },
  {
   img: "https://images.unsplash.com/photo-
1439066615861-
d1af74d74000?auto=format&fit=crop&w=1950&
q=80",
   title: "Desert Adventures",
   subtitle: "Journey through endless golden
landscapes.",
   cta: { to: "/destinations", label: "Desert
Tours" },
  },
  {
   img: "https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcSi811G1
17v9Bo34G1xwSK1rEFVQSwkNzsd6w&s",
   title: "Sunset Paradise",
   subtitle: "Watch the sun set over crystal-clear
waters.",
   cta: { to: "/destinations", label: "Beach
Getaways" },
  },
 ];

 const heroStyle = {
  position: "relative",
  width: "100%",
```

```
  height: "90vh",
  overflow: "hidden",
 };

 const imgStyle = {
  width: "100%",
  height: "90vh",
  objectFit: "cover",
 };

 const overlayStyle = {
  position: "absolute",
  top: 0,
  left: 0,
  right: 0,
  bottom: 0,
  background: "rgba(0, 0, 0, 0.3)",
 };

 const contentStyle = {
  position: "absolute",
  bottom: "20%",
  left: "10%",
  color: "#fff",
  textShadow: "1px 1px 3px rgba(0,0,0,0.6)",
 };

 return (
  <>
   <section className="hero-carousel" data-aos="fade-in" data-aos-duration="1200" style={heroStyle}>
    <div
     id="heroCarousel"
     className="carousel slide h-100"
     data-bs-ride="carousel"
     data-bs-interval="4000"
    >
     <div className="carousel-indicators">
      {slides.map((_, idx) => (
       <button
        key={idx}
        type="button"
        data-bs-target="#heroCarousel"
        data-bs-slide-to={idx}
        className={idx === 0 ? "active" : ""}
        aria-current={idx === 0 ? "true" : undefined}
        aria-label={`Slide ${idx + 1}`}
       ></button>
      ))}
     </div>
     <div className="carousel-inner h-100">
      {slides.map((s, i) => (
       <div key={i} className={`carousel-item ${i === 0 ? "active" : ""}`}>
        <img src={s.img} alt={s.title} style={imgStyle} />
        <div style={overlayStyle} />
        <div style={contentStyle}>
         <h1 className="fw-bold">{s.title}</h1>
         <p className="fs-5">{s.subtitle}</p>
         <Link to={s.cta.to} className="btn btn-primary btn-lg">
          {s.cta.label}
         </Link>
        </div>
       </div>
      ))}
     </div>

     <button
      className="carousel-control-prev"
      type="button"
      data-bs-target="#heroCarousel"
      data-bs-slide="prev"
      aria-label="Previous"
     >
      <span className="carousel-control-prev-icon" />
      <span className="visually-hidden">Previous</span>
     </button>
     <button
      className="carousel-control-next"
      type="button"
      data-bs-target="#heroCarousel"
      data-bs-slide="next"
      aria-label="Next"
     >
      <span className="carousel-control-next-icon" />
      <span className="visually-hidden">Next</span>
     </button>
    </div>
   </section>

   <main className="container flex-grow-1 py-5">
    <div className="mb-5 search-bar" data-aos="fade-up" data-aos-duration="1000">
     <div className="input-group input-group-lg rounded-pill shadow-sm">
```

```
          <input
            type="text"
            className="form-control rounded-pill"
            placeholder="Search destinations,
activities..."
            aria-label="Search destinations"
          />
          <button className="btn btn-primary
rounded-pill ms-2" type="button">
            <i className="fas fa-search"></i>
          </button>
        </div>
      </div>

      <div className="row g-4">
        <div className="col-12 col-sm-6 col-lg-4"
data-aos="zoom-in" data-aos-duration="800">
          <div className="card h-100 border-0
shadow-sm">
            <div className="card-body text-center">
              <div className="mb-3">
                <i className="fas fa-map-marked-alt
fa-2x text-primary" />
              </div>
              <h5 className="card-title">Popular
Destinations</h5>
              <p className="card-text text-muted">
                Explore our most booked places across
the world!
              </p>
              <Link
                to="/destinations"
                className="stretched-link text-
decoration-none fw-semibold text-primary"
              >
                View All
              </Link>
            </div>
          </div>
        </div>

        <div
          className="col-12 col-sm-6 col-lg-4"
          data-aos="zoom-in"
          data-aos-delay="100"
          data-aos-duration="800"
        >
          <div className="card h-100 border-0
shadow-sm">
            <div className="card-body text-center">
              <div className="mb-3">
                <i className="fas fa-calendar-alt fa-2x
text-primary" />
              </div>
              <h5 className="card-title">Book Your
Trip</h5>
              <p className="card-text text-muted">
                Ready for a new adventure? Start
booking now!
              </p>
              <Link
                to="/booking"
                className="stretched-link text-
decoration-none fw-semibold text-primary"
              >
                Book Now
              </Link>
            </div>
          </div>
        </div>

        <div
          className="col-12 col-sm-6 col-lg-4"
          data-aos="zoom-in"
          data-aos-delay="300"
          data-aos-duration="800"
        >
          <div className="card h-100 border-0
shadow-sm">
            <div className="card-body text-center">
              <div className="mb-3">
                <i className="fas fa-user-plus fa-2x
text-primary" />
              </div>
              <h5 className="card-
title">Register</h5>
              <p className="card-text text-muted">
                Create a new account to start your
journey with us.
              </p>
              <Link
                to="/register"
                className="stretched-link text-
decoration-none fw-semibold text-primary"
              >
                Register Now
              </Link>
            </div>
          </div>
        </div>
      </div>

      <section className="social-proof mt-5"
data-aos="fade-up" data-aos-duration="1000">
        <div
          id="testimonialCarousel"
```

```
        className="carousel slide"
        data-bs-ride="carousel"
        data-bs-interval="4000"
      >
        <div className="carousel-indicators">
          <button
            type="button"
            data-bs-target="#testimonialCarousel"
            data-bs-slide-to="0"
            className="active"
            aria-current="true"
            aria-label="Slide 1"
          ></button>
          <button
            type="button"
            data-bs-target="#testimonialCarousel"
            data-bs-slide-to="1"
            aria-label="Slide 2"
          ></button>
          <button
            type="button"
            data-bs-target="#testimonialCarousel"
            data-bs-slide-to="2"
            aria-label="Slide 3"
          ></button>
        </div>

        <div className="carousel-inner text-center">
          <div className="carousel-item active">
            <h4 className="mb-3">What Our Travelers Say</h4>
            <p className="testimonial">
              "TravelWorld made our vacation unforgettable! The booking process was easy and the destinations were amazing."
            </p>
            <p className="testimonial mb-0">- Prathmesh W.</p>
          </div>
          <div className="carousel-item">
            <h4 className="mb-3">What Our Travelers Say</h4>
            <p className="testimonial">
              "Amazing customer service and attention to detail. We felt safe and well taken care of every step of the way."
            </p>
            <p className="testimonial mb-0">- Raj P.</p>
          </div>
          <div className="carousel-item">
            <h4 className="mb-3">What Our Travelers Say</h4>
            <p className="testimonial">
              "Great deals and beautiful curated itineraries — 10/10 would book again!"
            </p>
            <p className="testimonial mb-0">- Chetan T.</p>
          </div>
        </div>

        <button
          className="carousel-control-prev"
          type="button"
          data-bs-target="#testimonialCarousel"
          data-bs-slide="prev"
          aria-label="Previous testimonial"
        >
          <span className="carousel-control-prev-icon" aria-hidden="true" />
        </button>
        <button
          className="carousel-control-next"
          type="button"
          data-bs-target="#testimonialCarousel"
          data-bs-slide="next"
          aria-label="Next testimonial"
        >
          <span className="carousel-control-next-icon" aria-hidden="true" />
        </button>
      </div>
    </section>
  </main>
 </>
 );
}

import React, { useRef } from "react";
import { Link, useNavigate } from "react-router-dom";

export default function Login() {
 const formRef = useRef(null);
 const navigate = useNavigate();

 function handleSubmit(e) {
  e.preventDefault();
  const form = formRef.current;
  if (!form.checkValidity()) {
   form.classList.add("was-validated");
   return;
  }
    // Demo login success → go to profile
```

```
  navigate("/profile");
 }

 return (
  <div
   className="d-flex justify-content-center
align-items-center bg-light"
   style={{ minHeight: "80vh" }}
  >
   <div className="card shadow-lg border-0 p-
4" style={{ width: "100%", maxWidth:
"400px" }}>
    <h2 className="text-center text-primary fw-
bold mb-4">Welcome Back!</h2>

    <form ref={formRef} className="needs-
validation" noValidate
onSubmit={handleSubmit}>
     <div className="mb-3">
      <label htmlFor="loginEmail"
className="form-label fw-semibold">
       Email
      </label>
      <input
       id="loginEmail"
       name="email"
       type="email"
       className="form-control"
       placeholder="you@example.com"
       required
       autoComplete="email"
      />
      <div className="invalid-feedback">Please
provide a valid email.</div>
     </div>

     <div className="mb-3">
      <label htmlFor="loginPassword"
className="form-label fw-semibold">
       Password
      </label>
      <input
       id="loginPassword"
       name="password"
       type="password"
       className="form-control"
       placeholder="********"
       required
       autoComplete="current-password"
      />
      <div className="invalid-feedback">Please
enter your password.</div>
     </div>

     <div className="d-grid">
      <button type="submit" className="btn
btn-primary btn-lg">
       Login
      </button>
     </div>
    </form>

    <p className="text-center mt-4 mb-0 small
text-muted">
     Don't have an account?{" "}
     <Link to="/register" className="text-
primary fw-semibold">
      Sign up here
     </Link>
    </p>
   </div>
  </div>
 );
}
```

```
import React, { useEffect, useRef, useState } from
"react";
import AOS from "aos";
import "aos/dist/aos.css";
import "bootstrap/dist/css/bootstrap.min.css";

export default function Register() {
 useEffect(() => {
  AOS.init({ duration: 700, once: true });
 }, []);

 const formRef = useRef(null);
 const [avatarPreview, setAvatarPreview] =
useState(null);
 const [avatarError, setAvatarError] =
useState("");
 const [showPassword, setShowPassword] =
useState(false);
 const [showConfirm, setShowConfirm] =
useState(false);
 const [pwStrength, setPwStrength] =
useState({ score: 0, label: "Too weak" });
 const [submitting, setSubmitting] =
useState(false);
 const modalRef = useRef(null);

 const emailRegex =
/^[^\s@]+@[^\s@]+\.[^\s@]+$/;
```

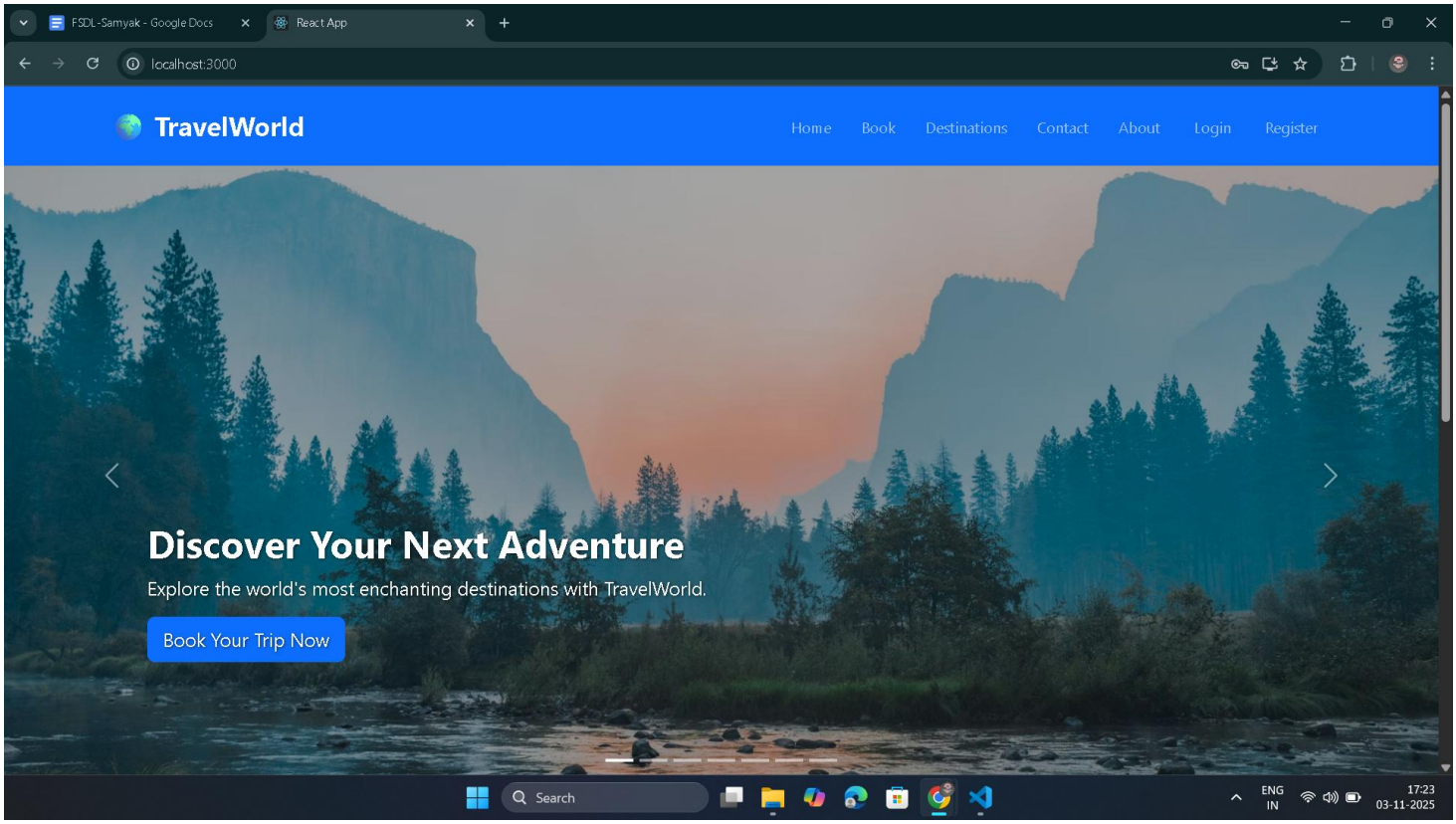
```
 function evaluatePassword(pw) {
  if (!pw) return { score: 0, label: "Too weak" };
  let score = 0;
  if (pw.length >= 8) score += 30;
  if (/[a-z]/.test(pw)) score += 15;
  if (/[A-Z]/.test(pw)) score += 15;
  if (/[0-9]/.test(pw)) score += 20;
  if (/[^A-Za-z0-9]/.test(pw)) score += 20;
  if (score >= 85) return { score: 100, label:
"Strong" };
  if (score >= 60) return { score, label: "Good" };
  if (score >= 35) return { score, label: "Weak" };
  return { score, label: "Too weak" };
 }

 function handleAvatarChange(e) {
  const file = e.target.files?.[0];
  if (!file) return setAvatarPreview(null);
  const allowed = ["image/jpeg", "image/png",
"image/webp"];
  if (!allowed.includes(file.type)) {
   setAvatarError("Only JPG, PNG or WEBP
images allowed.");
   return;
  }
  if (file.size > 2.5 * 1024 * 1024) {
   setAvatarError("Image size should be under
2.5 MB.");
   return;
  }
  setAvatarError("");
  setAvatarPreview(URL.createObjectURL(file));
 }

 useEffect(() => {
  return () => avatarPreview &&
URL.revokeObjectURL(avatarPreview);
 }, [avatarPreview]);

 function handlePasswordInput(e) {

setPwStrength(evaluatePassword(e.target.value))
;
 }

 function handleSubmit(e) {
  e.preventDefault();
  const form = formRef.current;
  form.classList.add("was-validated");

  const fullname = form.fullname.value.trim();
  const email = form.email.value.trim();
  const password = form.password.value;
  const confirm = form.confirm.value;
  const birthdate = form.birthdate.value;
  const terms = form.terms.checked;

  if (!fullname || !emailRegex.test(email)
|| !password || password !== confirm || !birthdate
|| !terms)
   return;

  setSubmitting(true);
  setTimeout(() => {
   setSubmitting(false);
   const bsModal = new
window.bootstrap.Modal(modalRef.current);
   bsModal.show();
   form.reset();
   setAvatarPreview(null);
   setPwStrength({ score: 0, label: "Too weak" });
   form.classList.remove("was-validated");
  }, 900);
 }

 function progressClass(score) {
  if (score >= 85) return "bg-success";
  if (score >= 60) return "bg-info";
  if (score >= 35) return "bg-warning";
  return "bg-danger";
 }

 return (
  <div className="container py-5"
style={{ maxWidth: 920 }}>
   <div className="row justify-content-center">
    <div className="col-12 col-md-10" data-
aos="fade-up">
     <div className="card shadow-sm border-0
rounded-4 overflow-hidden">
      <div className="row g-0">

       {/* Left panel */}
       <div className="col-lg-5 d-none d-lg-flex
align-items-center justify-content-center bg-
primary text-white p-4">
        <div className="text-center px-2">
         <h3 className="fw-bold">Create your
account</h3>
         <p className="small text-white-75">
          Join TravelWorld and start planning
your dream journeys today!
         </p>
         <div className="d-grid gap-2 mt-3">
          <button className="btn btn-light btn-
sm">
```

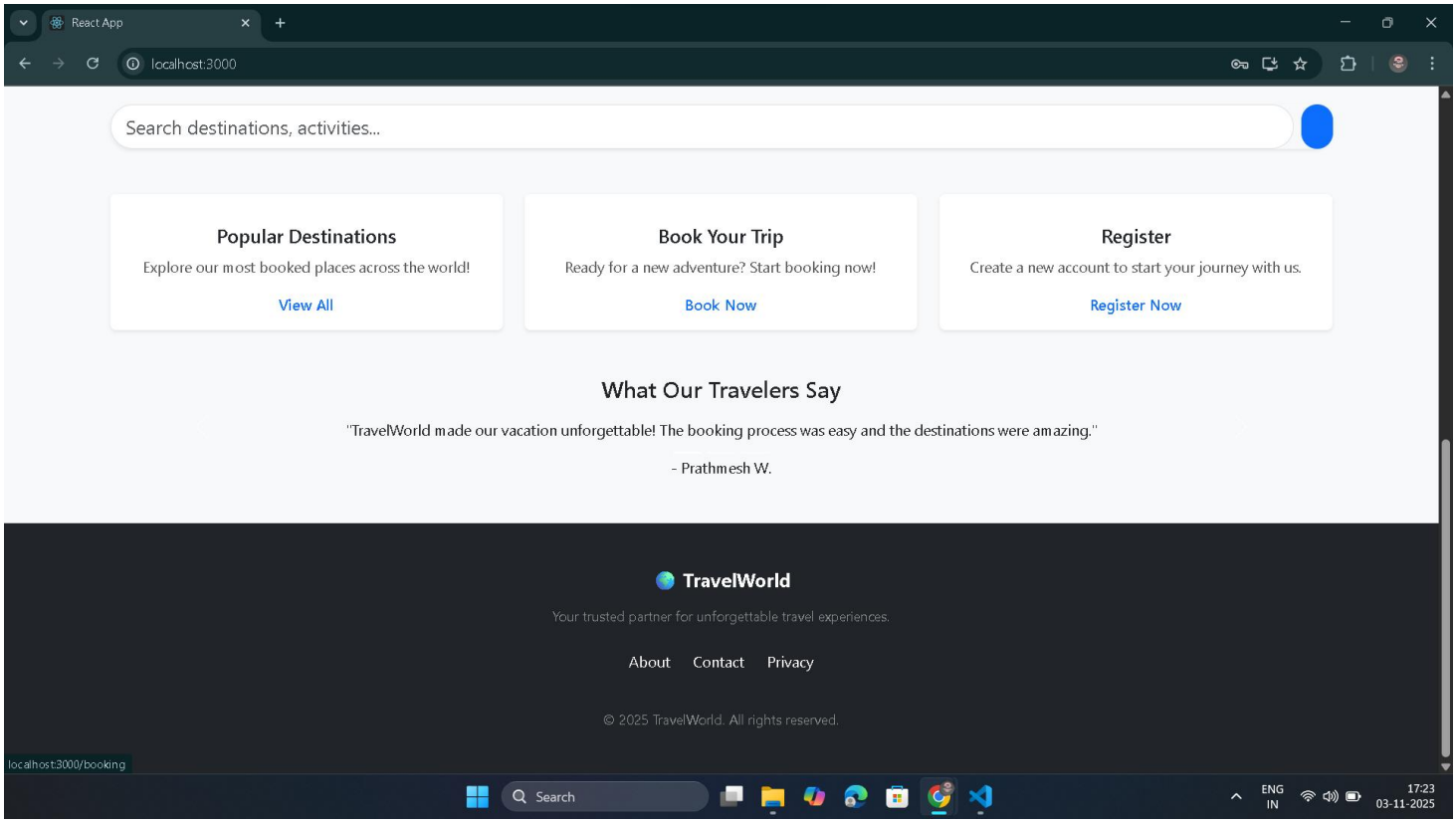
```
            <i className="fas fa-map-marked-alt me-2"></i>Explore Destinations
            </button>
            <button className="btn btn-outline-light btn-sm">
            <i className="fas fa-headset me-2"></i>Contact Support
            </button>
           </div>
          </div>
         </div>

         {/* Form panel */}
         <div className="col-lg-7 p-4">
          <div className="mb-3 d-flex align-items-center gap-3">
           <div
            style={{ width: 72, height: 72 }}
            className="rounded-circle bg-light d-flex align-items-center justify-content-center border overflow-hidden"
           >
            {avatarPreview ? (
             <img src={avatarPreview} alt="Avatar" style={{ width: "100%", height: "100%", objectFit: "cover" }} />
            ) : (
             <i className="fas fa-user fa-2x text-secondary"></i>
            )}
           </div>
           <div>
            <h5 className="mb-0">Create an account</h5>
            <small className="text-muted">It’s quick and easy.</small>
           </div>
          </div>

          <form ref={formRef} noValidate onSubmit={handleSubmit}>
           {/* Profile Photo */}
           <div className="mb-3">
            <label className="form-label fw-semibold">Profile photo (optional)</label>
            <input type="file" className="form-control form-control-sm" accept="image/*" onChange={handleAvatarChange} />
            {avatarError && <div className="text-danger small mt-1">{avatarError}</div>}
           </div>

           {/* Full Name */}
           <div className="mb-3">
            <label className="form-label fw-semibold">Full Name</label>
            <input type="text" name="fullname" className="form-control" placeholder="Your full name" required />
            <div className="invalid-feedback">Please enter your name.</div>
           </div>

           {/* Email */}
           <div className="mb-3">
            <label className="form-label fw-semibold">Email</label>
            <input type="email" name="email" className="form-control" placeholder="you@example.com" required />
            <div className="invalid-feedback">Enter a valid email.</div>
           </div>

           {/* Birthdate */}
           <div className="mb-3">
            <label className="form-label fw-semibold">Birth Date</label>
            <input type="date" name="birthdate" className="form-control" required />
            <div className="invalid-feedback">Please select your birth date.</div>
           </div>

           {/* Interested Location */}
           <div className="mb-3">
            <label className="form-label fw-semibold">Interested Locations</label>
            <select name="location" className="form-select" required>
             <option value="">Select your preferred destination</option>
             <option>Paris</option>
             <option>Maldives</option>
             <option>New York</option>
             <option>Tokyo</option>
             <option>Dubai</option>
             <option>London</option>
            </select>
            <div className="invalid-feedback">Please select at least one location.</div>
           </div>

           {/* Gender */}
           <div className="mb-3">
```

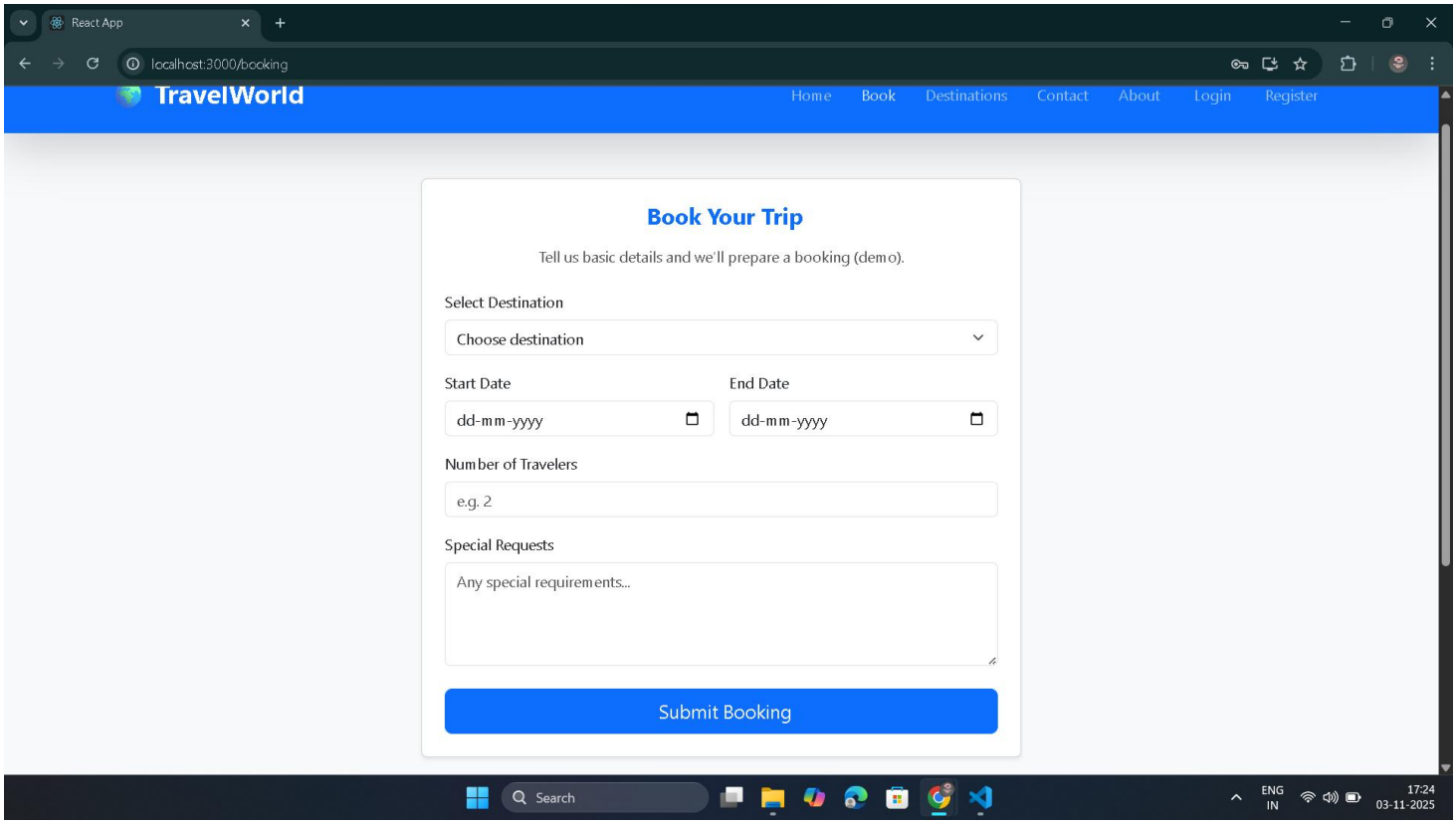
```
            <label className="form-label fw-semibold">Gender</label>
            <div className="d-flex gap-3">
              <div className="form-check">
                <input className="form-check-input" type="radio" name="gender" value="male" required />
                <label className="form-check-label">Male</label>
              </div>
              <div className="form-check">
                <input className="form-check-input" type="radio" name="gender" value="female" required />
                <label className="form-check-label">Female</label>
              </div>
              <div className="form-check">
                <input className="form-check-input" type="radio" name="gender" value="other" required />
                <label className="form-check-label">Other</label>
              </div>
            </div>
            <div className="invalid-feedback">Please choose your gender.</div>
          </div>

          {/* Passwords */}
          <div className="row gx-2">
            <div className="col-md-6 mb-3">
              <label className="form-label fw-semibold">Password</label>
              <div className="input-group">
                <input
                  type={showPassword ? "text" : "password"}
                  name="password"
                  className="form-control"
                  placeholder="At least 8 characters"
                  required
                  onInput={handlePasswordInput}
                />
                <button type="button" className="btn btn-outline-secondary" onClick={() => setShowPassword(!showPassword)}>
                  <i className={`fas ${showPassword ? "fa-eye-slash" : "fa-eye"}`}></i>
                </button>
              </div>
              <div className="mt-2">
                <div className="d-flex justify-content-between mb-1 small">
                  <span>Strength: {pwStrength.label}</span>
                  <span>{pwStrength.score}%</span>
                </div>
                <div className="progress" style={{ height: 8 }}>
                  <div className={`progress-bar ${progressClass(pwStrength.score)}`} style={{ width: `${pwStrength.score}%` }} />
                </div>
              </div>
            </div>

            <div className="col-md-6 mb-3">
              <label className="form-label fw-semibold">Confirm Password</label>
              <div className="input-group">
                <input
                  type={showConfirm ? "text" : "password"}
                  name="confirm"
                  className="form-control"
                  placeholder="Re-type password"
                  required
                />
                <button type="button" className="btn btn-outline-secondary" onClick={() => setShowConfirm(!showConfirm)}>
                  <i className={`fas ${showConfirm ? "fa-eye-slash" : "fa-eye"}`}></i>
                </button>
              </div>
            </div>
          </div>

          {/* Terms */}
          <div className="form-check mb-3">
            <input className="form-check-input" type="checkbox" name="terms" id="terms" required />
            <label className="form-check-label" htmlFor="terms">
              I agree to the <a href="/terms">terms and conditions</a>.
            </label>
            <div className="invalid-feedback">You must agree before submitting.</div>
          </div>
```

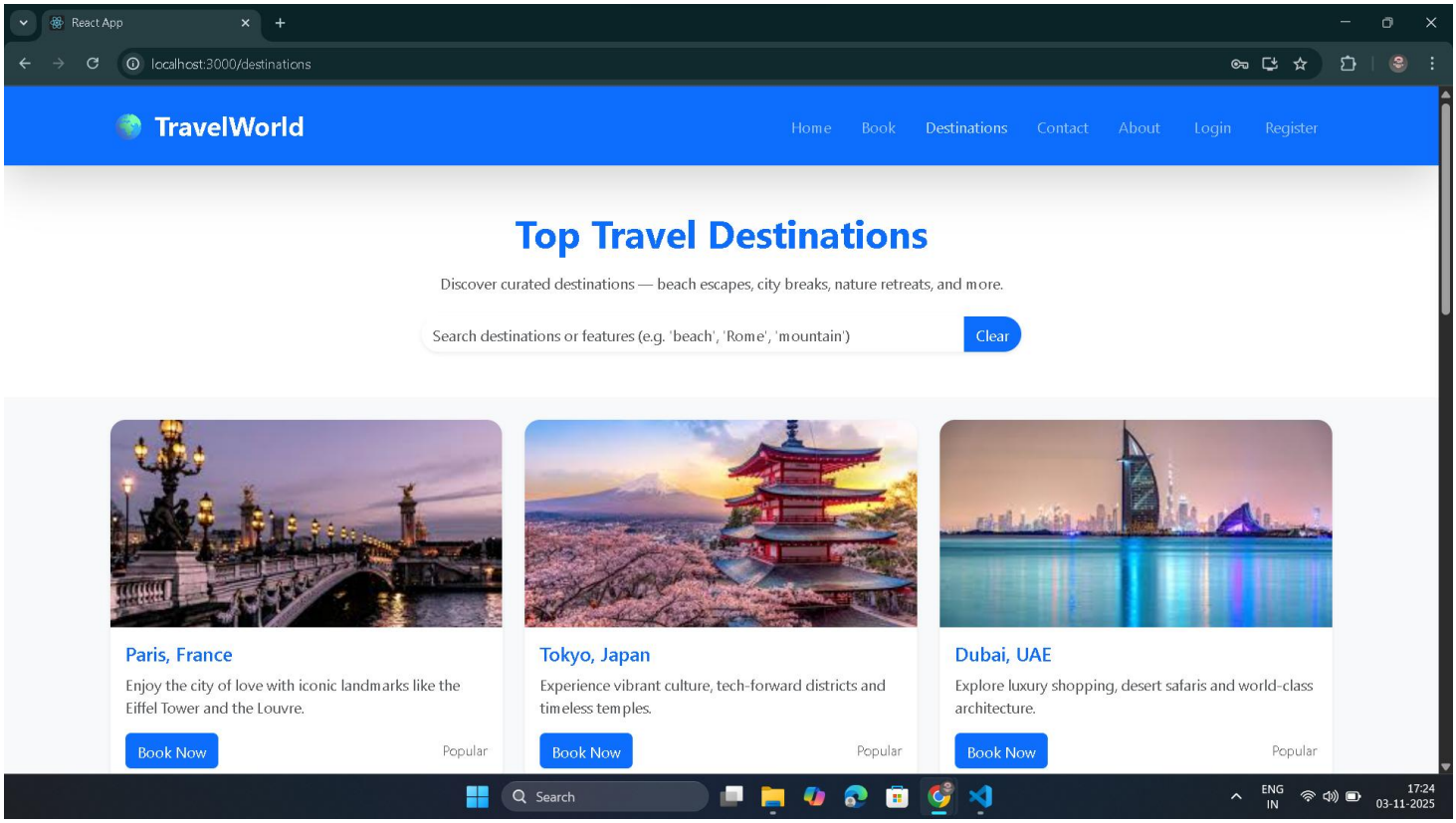
```
            <div className="d-grid">
              <button type="submit"
className="btn btn-primary"
disabled={submitting}>
                {submitting ? "Creating account..." :
"Create account"}
              </button>
            </div>
          </form>

          {/* Modal */}
          <div className="modal fade"
tabIndex="-1" ref={modalRef}>
            <div className="modal-dialog modal-
dialog-centered">
              <div className="modal-content">
                <div className="modal-header">
                  <h5 className="modal-
title">Account Created</h5>
                  <button type="button"
className="btn-close" data-bs-
dismiss="modal"></button>
                </div>
                <div className="modal-body">
                  <p>Your account has been created
successfully. Welcome to TravelWorld!</p>
                </div>
                <div className="modal-footer">
                  <button type="button"
className="btn btn-primary" data-bs-
dismiss="modal">
                    Continue
                  </button>
                </div>
              </div>
            </div>
          </div>

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

Output:




React App
localhost:3000
Search destinations, activities...
Popular Destinations
Explore our most booked places across the world!
View All
Book Your Trip
Ready for a new adventure? Start booking now!
Book Now
Register
Create a new account to start your journey with us.
Register Now
What Our Travelers Say
"TravelWorld made our vacation unforgettable! The booking process was easy and the destinations were amazing."
- Prathmesh W.
TravelWorld
Your trusted partner for unforgettable travel experiences.
About
Contact
Privacy
© 2025 TravelWorld. All rights reserved.
localhost:3000/booking
Search
ENG
IN
17:23
03-11-2025


React App
localhost:3000/booking
TravelWorld
Home
Book
Destinations
Contact
About
Login
Register
Book Your Trip
Tell us basic details and we'll prepare a booking (demo).
Select Destination
Choose destination
Start Date
dd-mm-yyyy
End Date
dd-mm-yyyy
Number of Travelers
e.g. 2
Special Requests
Any special requirements...
Submit Booking
Search
ENG
IN
17:24
03-11-2025


React App
localhost:3000/destinations
TravelWorld
Home
Book
Destinations
Contact
About
Login
Register
Top Travel Destinations
Discover curated destinations — beach escapes, city breaks, nature retreats, and more.
Search destinations or features (e.g. 'beach', 'Rome', 'mountain')
Clear
Paris, France
Enjoy the city of love with iconic landmarks like the Eiffel Tower and the Louvre.
Book Now
Popular
Tokyo, Japan
Experience vibrant culture, tech-forward districts and timeless temples.
Book Now
Popular
Dubai, UAE
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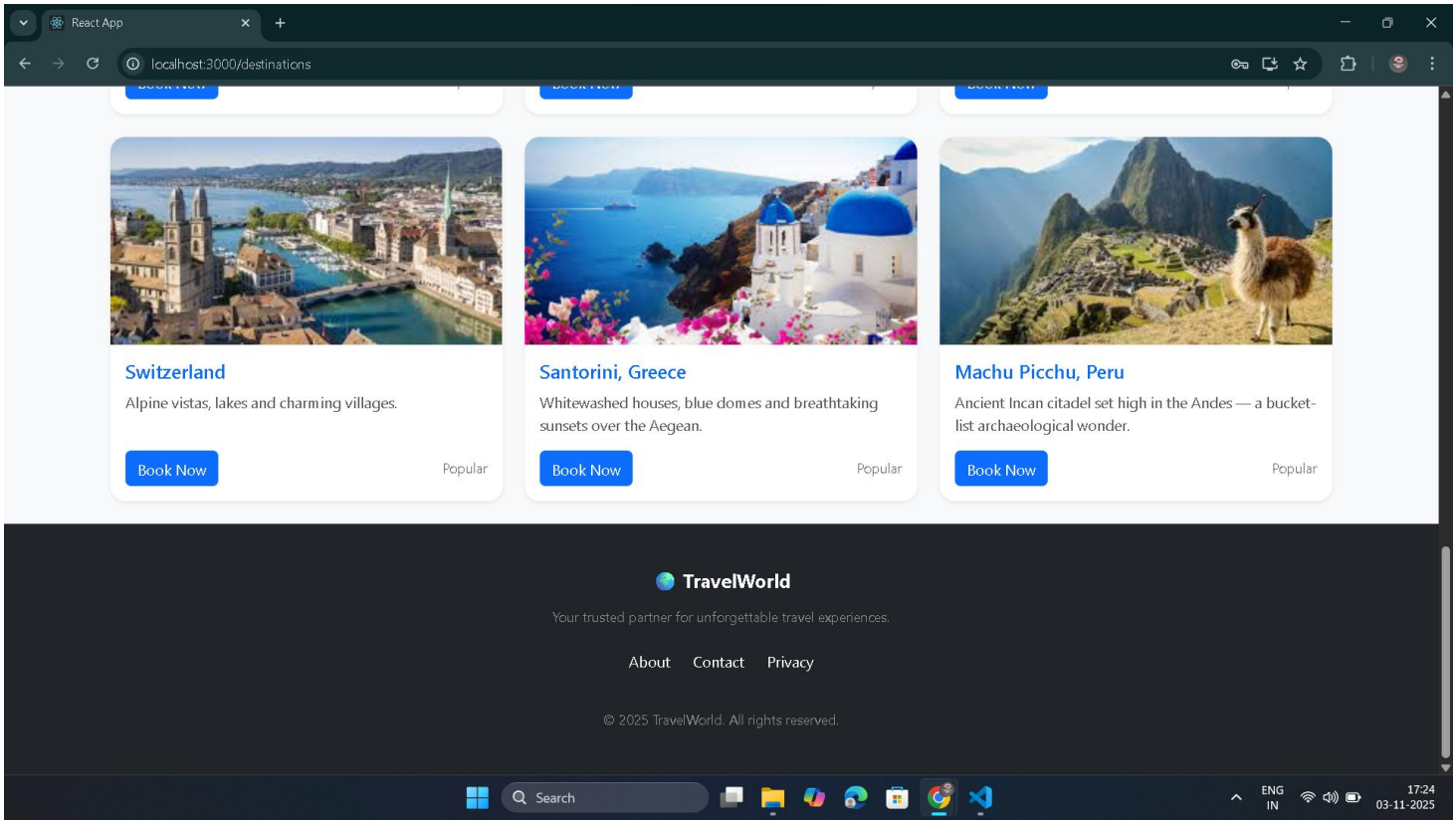
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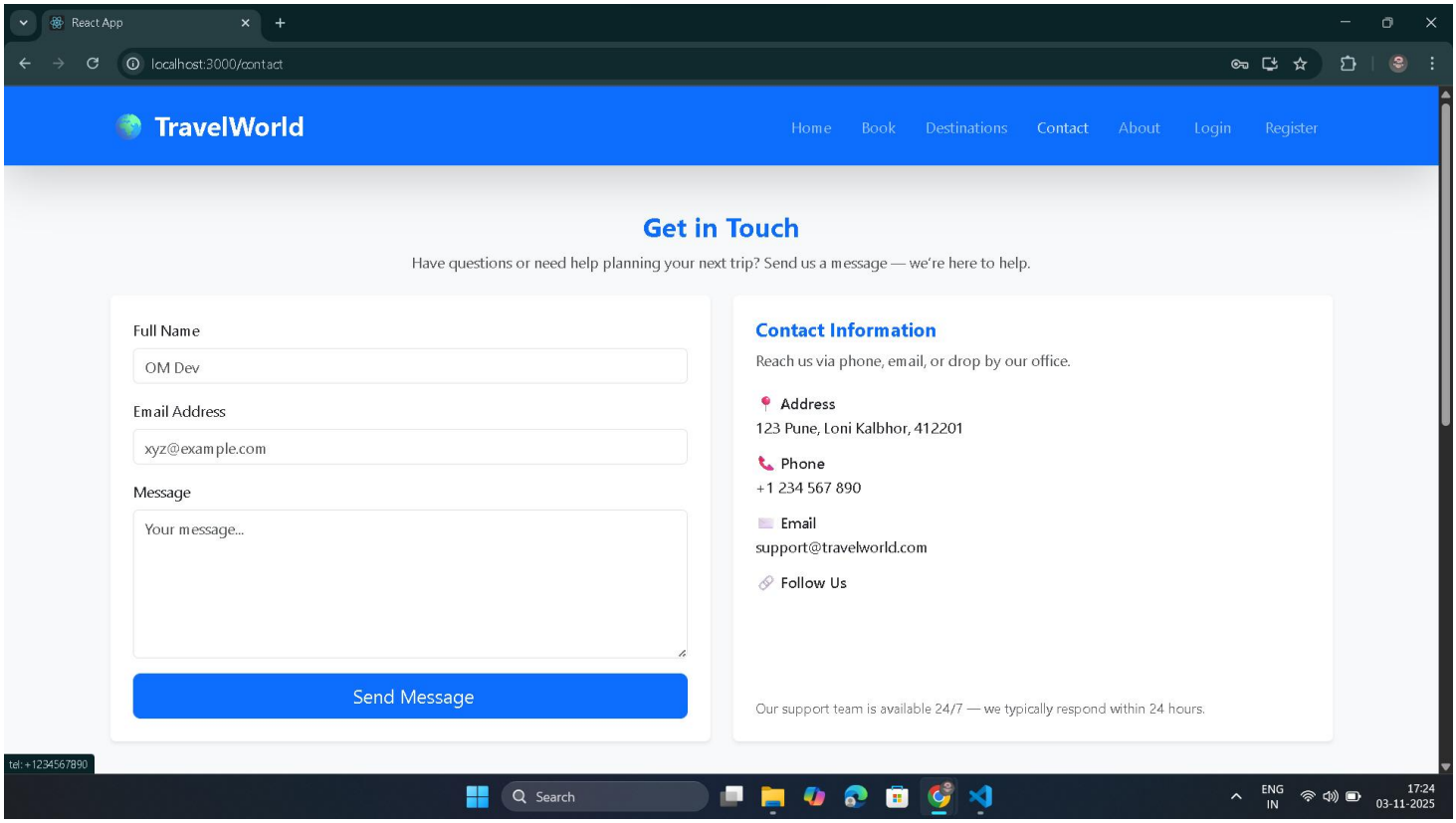
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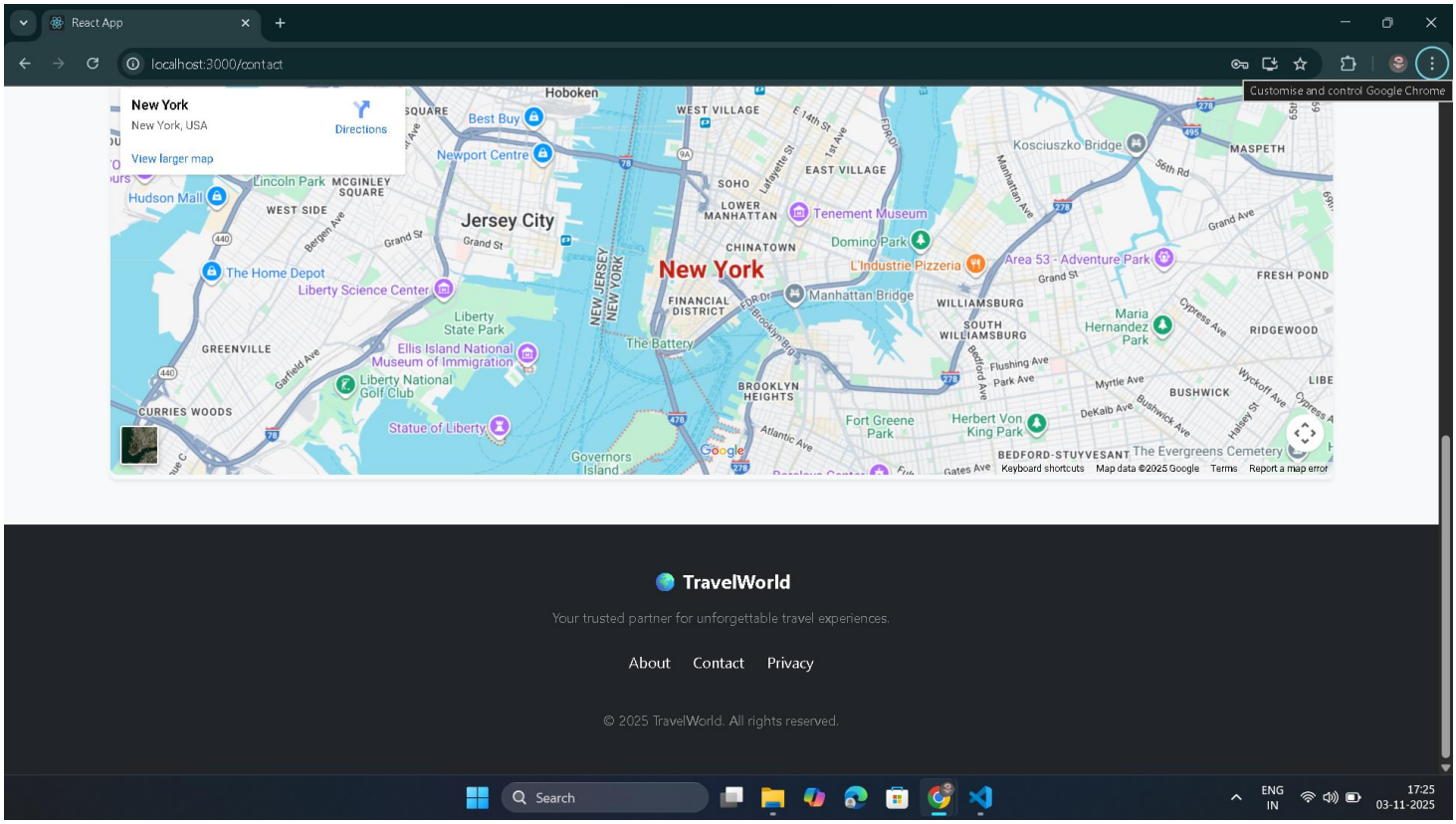
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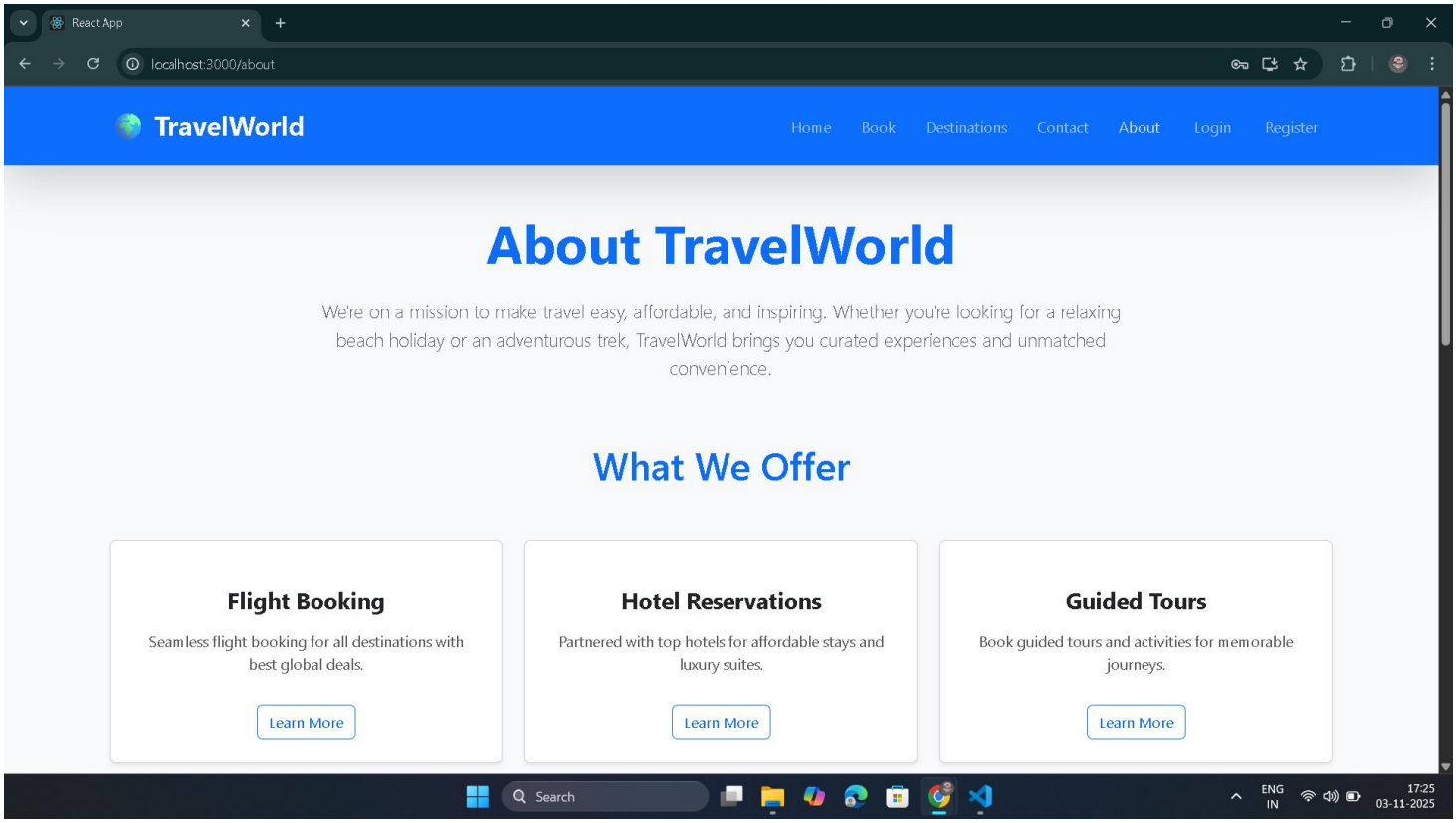
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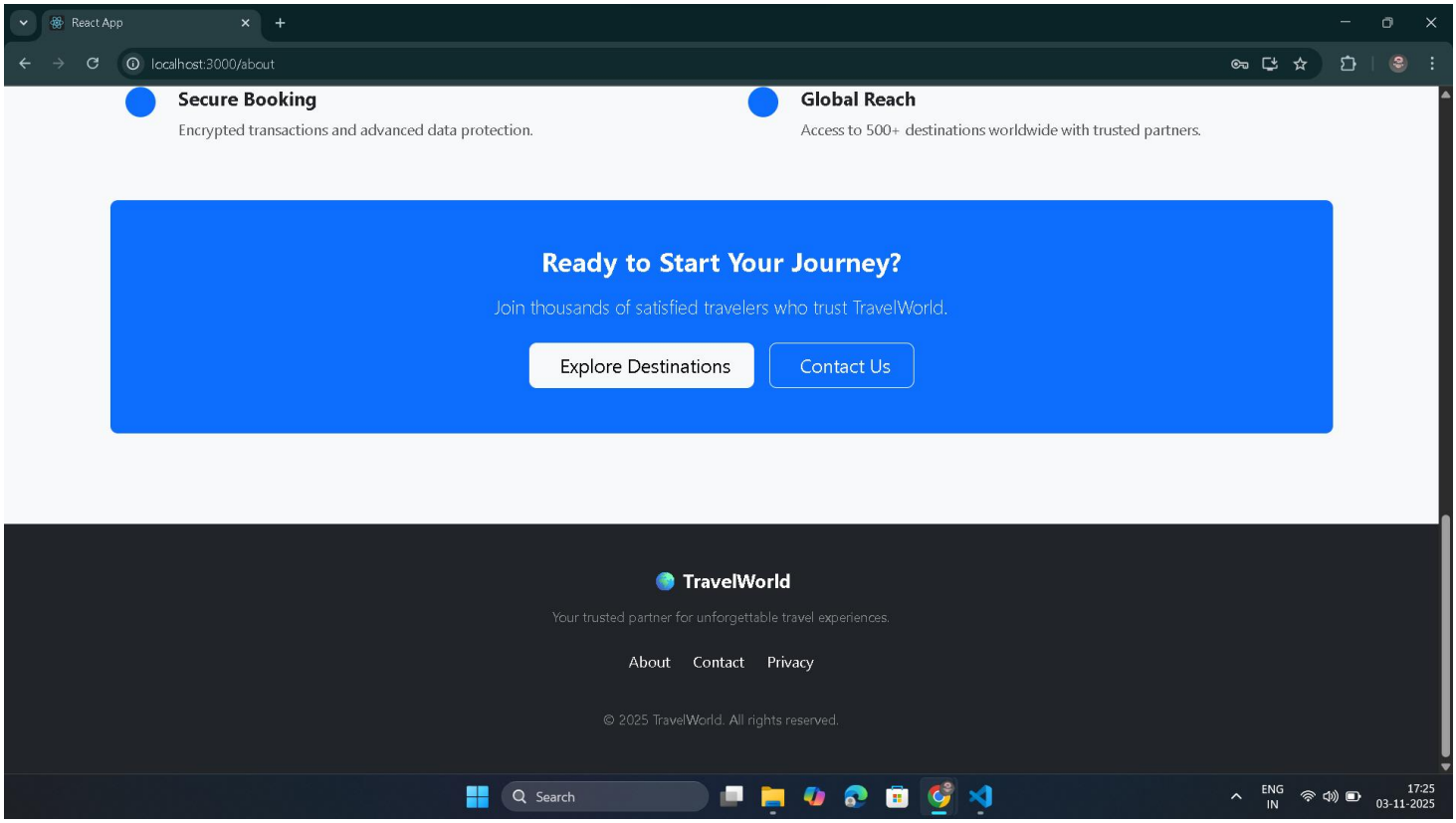
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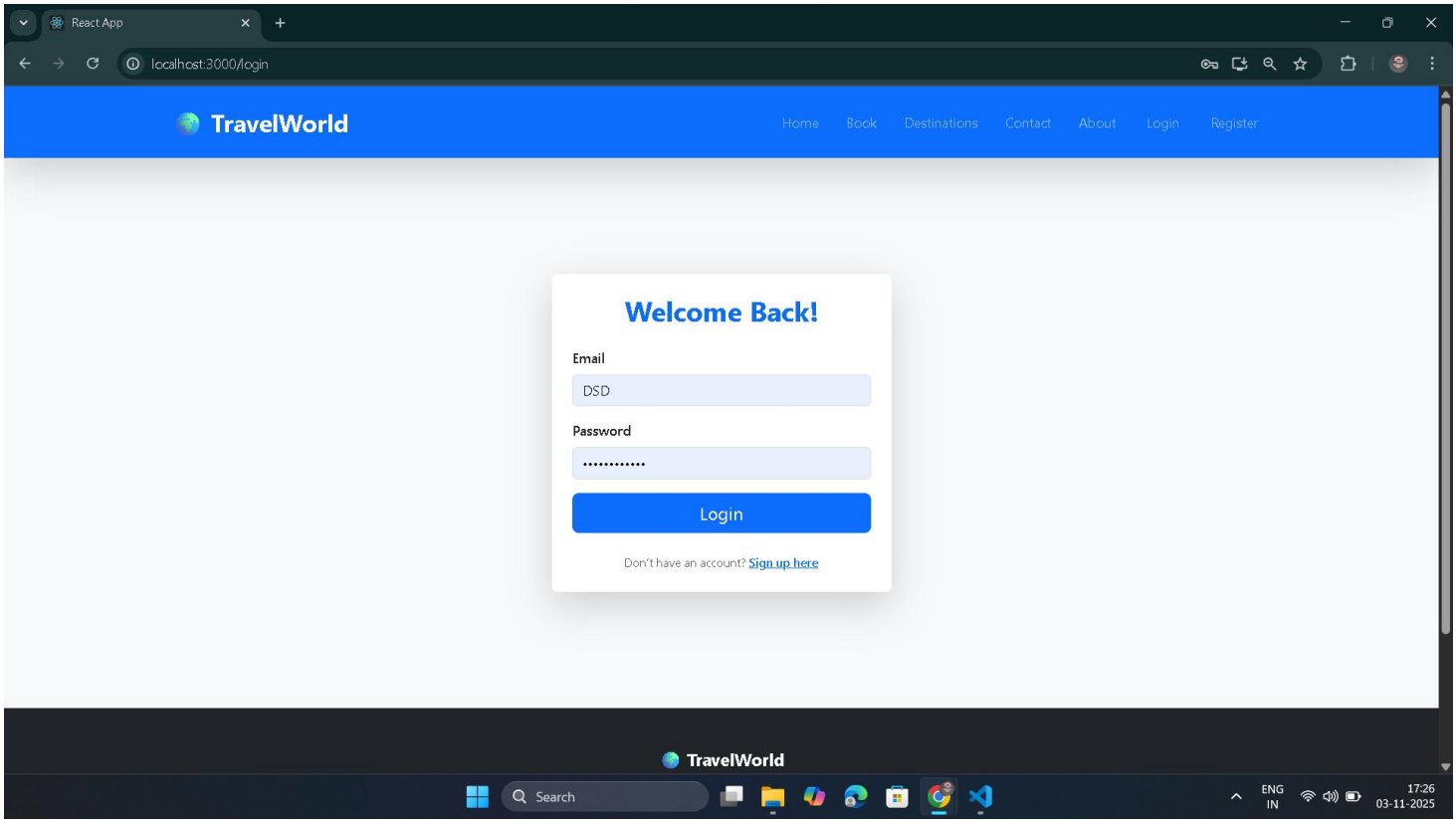

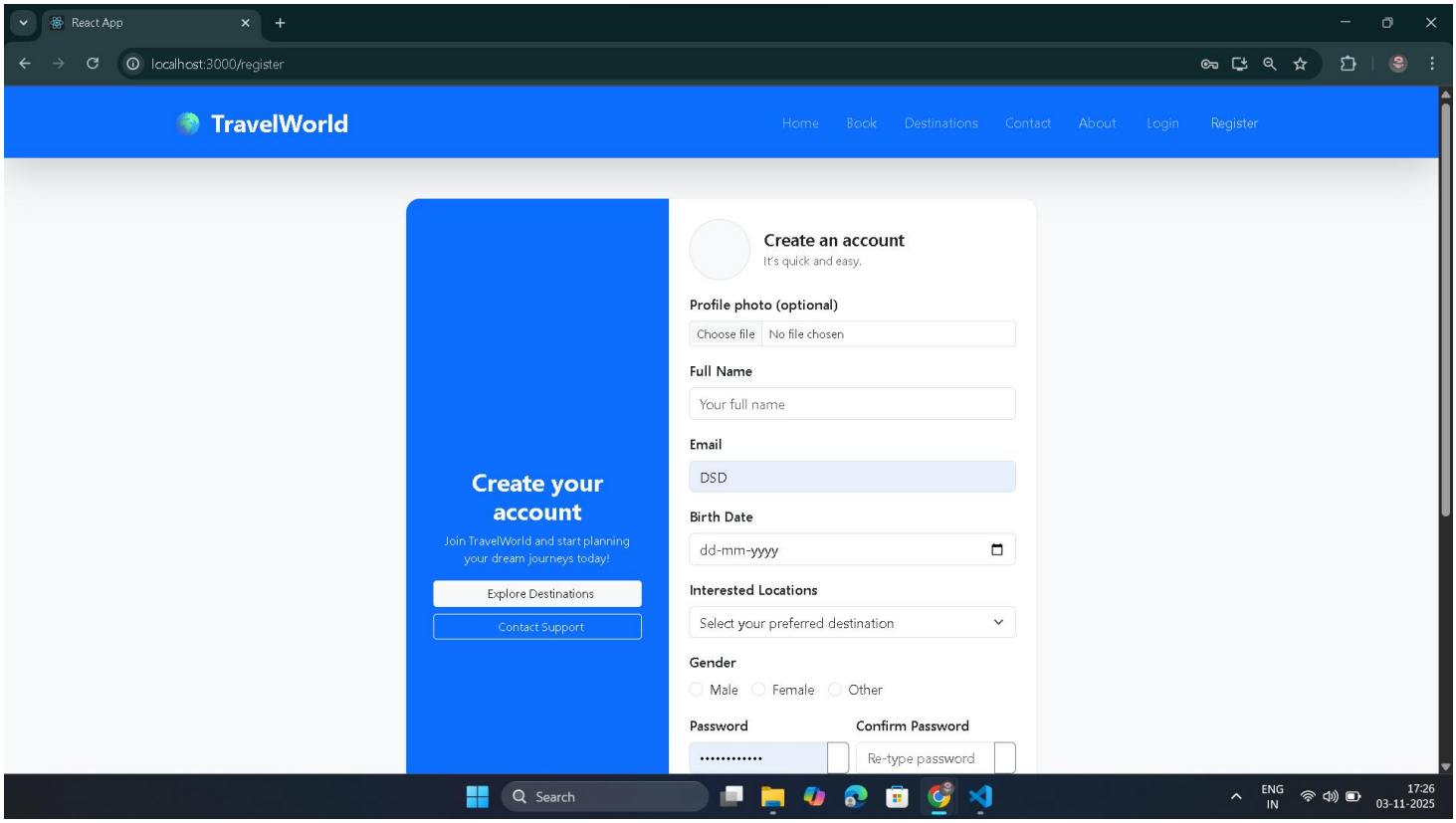

Conclusion :

We successfully implemented a full react application.