

TOURIST SCHEDULER

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About the Project



This project is a Travel Planning Web Application built using React.js. It allows users to explore destinations, book hotels and transportation for their trip. The application aims to provide a unified interface for booking transportation and stay.

Users can:

- * Sign up and log in to their account.
- * Explore popular travel destinations.
- * Create new trip itineraries.
- * Book hotels and transportation through intuitive pages.
- * User dashboard.

The design integrates modular components, efficient routing, and centralized state management for a seamless user experience.



React Topics Covered in Project

1. Components and Props

The app follows a modular structure – each page (e.g., Login, Signup, Dashboard, ExplorePage, etc.) is a React component. Props are passed to child components to handle dynamic data display and event handling, maintaining reusability.

2. State Management using Hooks

React Hooks like useState, useEffect, and useContext are used extensively.

- * useState → manages UI states (form input, loading indicators, etc.).
- * useEffect → handles lifecycle methods like fetching or updating data after render.
- * useContext → implemented via UserContext.js for global user authentication and session handling.

3. Context API

The context/UserContext.js file manages user data globally, avoiding prop drilling. This allows authentication state and user info to be accessible across pages such as Dashboard, BookHotel, and CreateTrip.

4. React Router

Although not shown in the file list directly, pages like Login.js, Signup.js, Dashboard.js, and ExplorePage.js imply use of *React Router DOM* for client-side navigation and route-based rendering.

5. CSS Modules and Styling

Each page (e.g., CreateTrip.css, ExplorePage.css, BookHotel.css) has its own CSS file, indicating use of component-scoped styling. This promotes maintainability and visual consistency across the app.

6. Event Handling and Form Management

Forms in Login.js and Signup.js demonstrate controlled components – managing input state and handling submission events in React-style form logic.



Learning Outcomes

Through this project, the following concepts and skills were developed:

1. Practical Understanding of React.js Fundamentals

Learned to structure an entire web application with React components, routes, and reusable logic.

2. State and Context Management

Gained experience managing both local and global state effectively using Hooks and Context API.

3. Routing and Navigation

Implemented dynamic routing with multiple pages, enhancing understanding of Single Page Applications (SPAs).

4. User Authentication Flow

Learned how to design and integrate login/signup mechanisms and maintain session data through Context.



5. Styling and Responsive Design

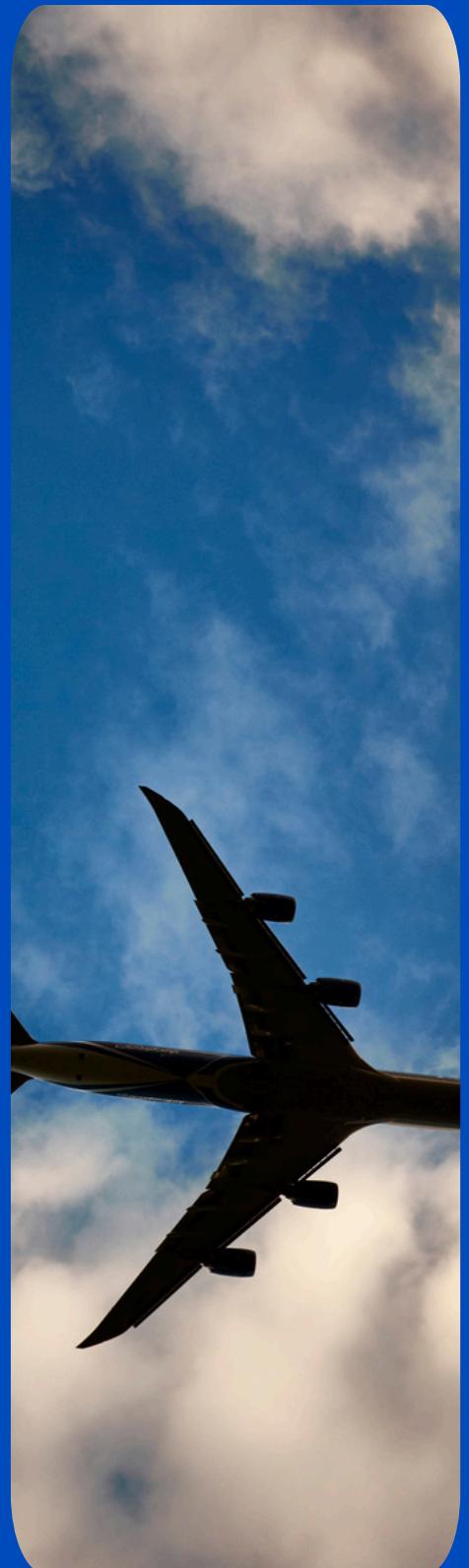
Improved skills in CSS organization, component-level styling, and responsive design techniques.

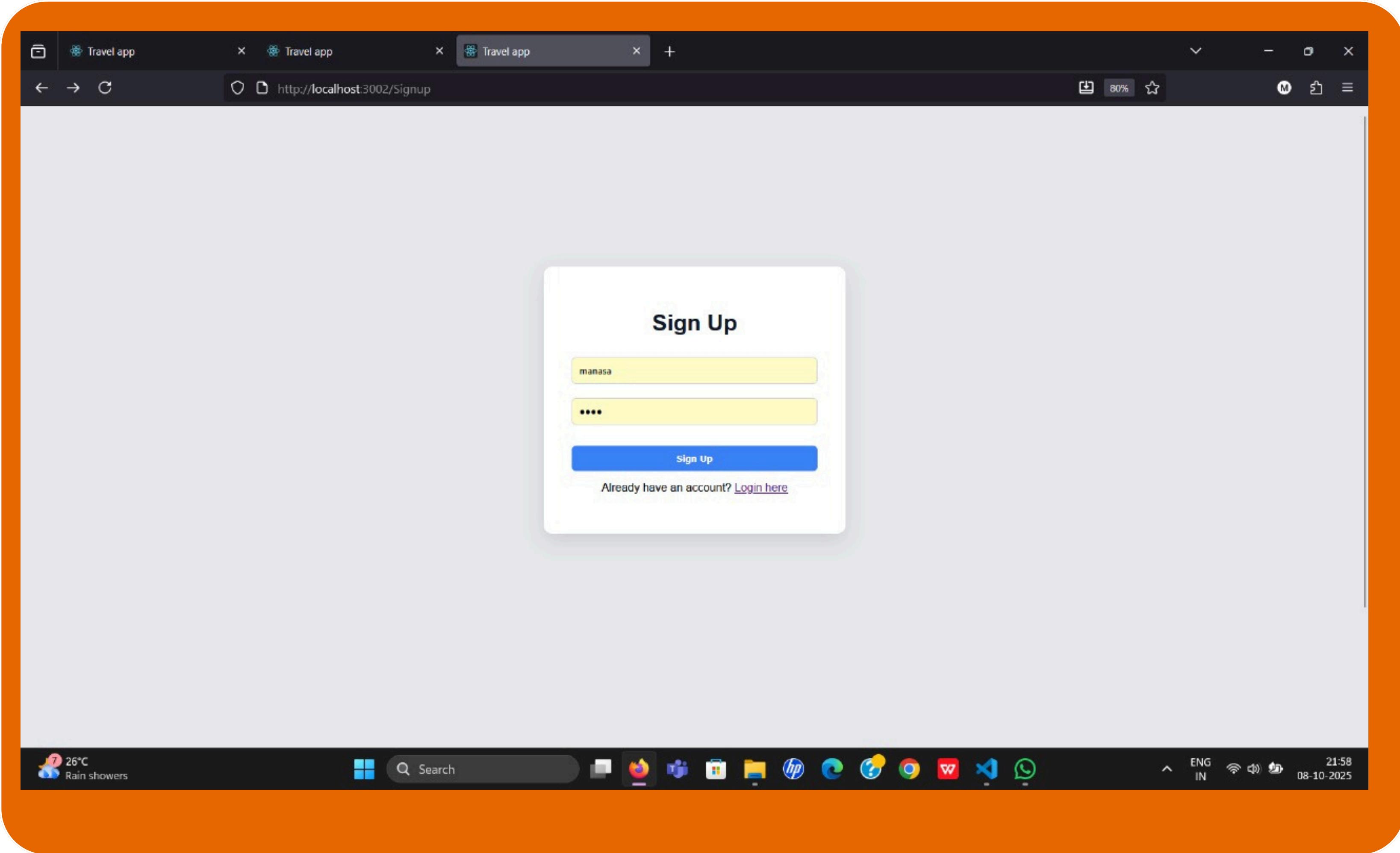
6. Problem Solving and Debugging

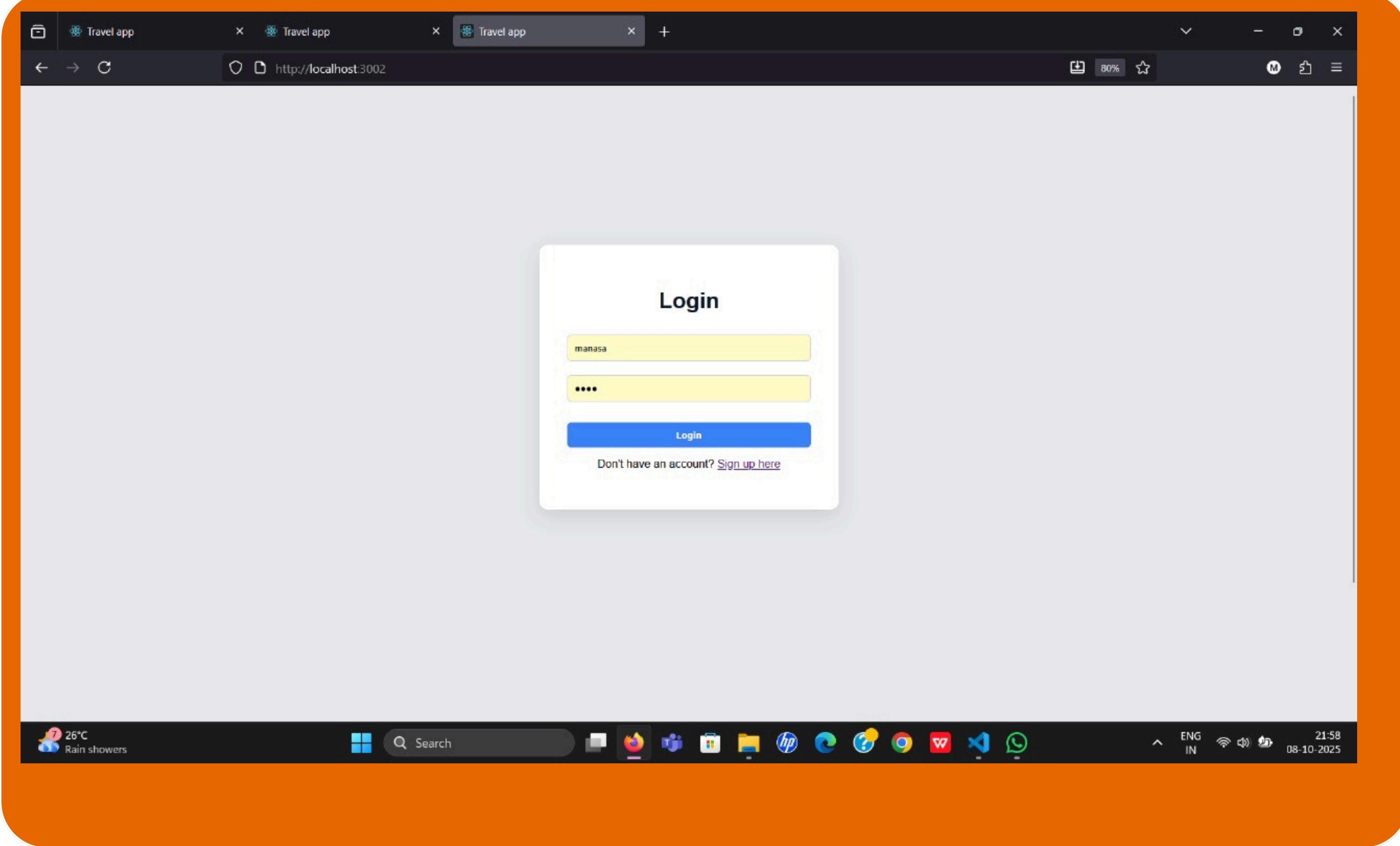
Developed the ability to identify and fix logical errors, improve component reusability, and optimize performance.

7. Project Deployment Readiness

Understood how to structure a production-ready React project with dependencies, assets, and configuration files.







Travel app

Travel app

Travel app

http://localhost:3002/dashboard

80%

My Dashboard

Welcome, manasa 🙌



Create a Trip

7 26°C Rain showers

Search

Windows Start button

File Explorer

HP

Microsoft Edge

Google Chrome

Word

Visual Studio

ENG IN

21:46

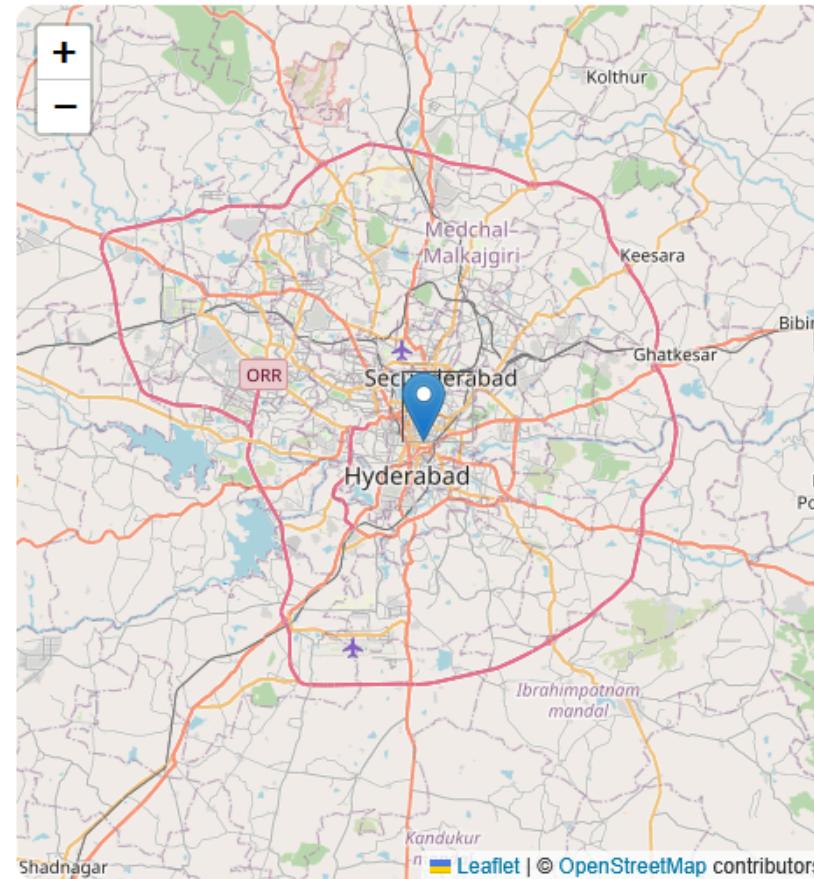
08-10-2025

A screenshot of a web browser window showing a travel application dashboard. The title bar has three tabs all labeled "Travel app". The address bar shows the URL "http://localhost:3002/dashboard". The main content area is titled "My Dashboard" and displays a welcome message "Welcome, manasa 🙌". Below the message is a horizontal banner with three images: a snowy mountain peak, a traditional stone statue in a jungle, and a tall, rugged mountain range. A blue button labeled "Create a Trip" is centered below the banner. At the bottom of the screen is a dark taskbar with various icons, including the Windows Start button, File Explorer, HP, Microsoft Edge, Google Chrome, Word, Visual Studio, a weather icon showing "7 26°C Rain showers", a search bar, and system status icons for battery, signal, and date/time.

Search Your Destination 🌎

Hyderabad

Search



Famous Tourist Spots in Hyderabad

Charminar

Charminar

- A historical four-minaret mosque built in 1591.
- Surrounded by the bustling Laad Bazaar, famous for bangles.
- The global icon of Hyderabad and a major center of history.

Golconda Fort

Golconda Fort

- Magnificent ruined citadel, famous for its incredible acoustics.
- Once the center of the diamond trade in the Deccan region.
- Capital of the Qutb Shahi dynasty.

Hussain Sagar Lake

Hussain Sagar Lake

- A large heart-shaped artificial lake built in 1563.
- Features a large monolithic Buddha statue in the center.

Create a Trip

[Back to Dashboard](#)

Select Trip Dates

October 2025

MON	TUE	WED	THU	FRI	SAT	SUN
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

No. of Days: 1

Trip Details of manasa

From:

To:

Enter Budget:

[Book Transportation](#)

26°C Rain showers

Search

hp

21:46
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Travel app

Travel app

Travel app

http://localhost:3002/review

80%

Trip Review

Username: manasa
From: hyderabad
To: delhi
Original Budget: \$900
Remaining Budget: \$500

Transport Booked

Name: Flight 101
Departure: 10:00 AM
Arrival: 1:00 PM
Price: \$200

Hotel Booked

Ocean View Resort
Price: \$200

26°C Rain showers

Search

hp

21:54

ENG IN

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The background of the image is a scenic aerial photograph of a coastline. Dark green, forested mountains rise steeply from a bright blue sea. Several small boats are scattered across the water, appearing as tiny white specks against the deep blue.

THANK YOU

FOR YOUR ATTENTION