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PROJECT TITLE

TRAVEL PLANNER
WEBSITE

OBJECTS

The main objective of the Travel Planner Website is to help users organize and manage their travel plans in a simple and efficient way. It allows users to record trip details such as destination, travel dates, and notes, and stores them for easy access.

SCOPE

The scope of the Travel Planner Website is to provide a simple, browser-based platform where users can efficiently plan and manage their travel activities. It is designed as a lightweight application built with HTML, CSS, and JavaScript, making it easy to deploy on GitHub Pages or run locally without complex setup.

FEATURES

Edit Trip – allow users to update existing trip details.Google Maps Integration – show routes, nearby attractions, and distances.Weather Forecast – display weather updates for the destination.Budget Planner – calculate estimated travel costs.User Accounts & Cloud Storage – enable multi-user access with login system.Trip Sharing – share trip details with family or friends via link/email.

SYSTEM REQUIREMENTS

Processor: Minimum Intel i3 or equivalent
RAM: 2 GB or higher
Storage: At least 200 MB free space
Display: 1024 × 768 resolution or higher
Device Support: Desktop, Laptop, Tablet, Smartphone--- Software Requirements
Operating System: Windows / Linux / macOS / Android (any OS with a browser)
Frontend: HTML5, CSS3, JavaScript (ES6 or above)
Browser: Google Chrome, Mozilla Firefox, Microsoft Edge, Safari (latest versions recommended)
Code Editor (for development): VS Code / Sublime Text / Notepad++ (any text editor)
Hosting (optional): GitHub Pages (for deploying the website online)

IMPLEMENTATION

The Travel Planner Website is implemented using HTML, CSS, and JavaScript. It is a single-page application where users can add, view, and delete travel plans. The website is lightweight, responsive, and stores trip details in the browser using localStorage.

LIMITATION

LocalStorage DependencyTrip data is stored in the browser's localStorage, meaning the data is available only on the same device and browser. It cannot be accessed from another device.

- 2. No Multi-User SupportThe system does not have login or authentication, so multiple users cannot maintain separate travel plans.
- 3. No Cloud IntegrationTrips are not stored on a server or cloud database, which means there is no backup if the browser data is cleared.
- 4. Limited FeaturesAdvanced travel features like hotel booking, flight search, maps, or budget tracking are not included in the current version.
- 5. No Edit OptionOnce a trip is added, users can only delete it, not edit or update details.
- 6. No Offline File ExportThe system does not provide an option to export trips as PDF, Excel, or share with others.
- 7. No Real-Time DataIt cannot fetch real-time weather, transport, or cost information for destinations without external APIs.

FEATURE ENHANCEMENTS

1. Edit Trip OptionAllow users to update trip details (destination, dates, notes) instead of only deleting them.

2. Multi-User SupportAdd login and authentication so different users can manage their own trips.

3. Cloud Storage IntegrationStore trip details in a database (Firebase, MySQL, MongoDB) for online access from any device.

4. Google Maps IntegrationShow destination on a map. Provide route planning and distance calculation. Suggest nearby attractions and restaurants.

5. Weather Forecast IntegrationFetch real-time weather updates for the selected destination using a Weather API.

CONCLUSION

The Travel Planner Website is a simple yet effective tool designed to help users organize and manage their travel plans efficiently. By providing features such as adding destinations, selecting travel dates, writing notes, and saving details in the browser's localStorage, it makes travel planning more convenient and accessible.