Project: TripSync

1. Project Scope:

In the era of digital connectivity and fast-paced lifestyles, individuals are increasingly seeking efficient and hassle-free solutions to plan their travel experiences. While several travel planning apps are available, there is still a gap in providing a seamless and personalized experience for users. The challenge is to develop an app that addresses modern travelers' pain points and revolutionizes how people plan, book, and experience their journeys.

To execute this, a database of the users will be created (a new user will have to sign up, and an existing user will log in to their account) using MySQL. We plan to have entities for EndUsers, Transport and Accommodation.

We plan to offer an interactive user friendly application that addresses all travel related issues. In this, users can login to their account or create their account by providing details so they can book rides, etc.

The application's front end would be created using HTML, CSS, JavaScript and ReactJS. The application's backend would be developed using Python, MySQL and Django.

2. Project Overview:

Develop a comprehensive platform that replicates the features and functionalities of MAKE MY TRIP, an existing successful travel and accommodation application. The project aims to create a user-friendly, reliable, and efficient application that allows users to book tickets for travel, a chatbot, booking hotels and other lounge booking (as an extended feature) and personalized holiday packages.

3. Features and Function

- User Registration and Authentication
- Browse and Search- rides and hotels
- Ratings and reviews of hotels
- Ride Tracking in Real-Time
- Cloning Payment Gateway
- User Profile Management
- Customer Support and Feedback

4. Technology Stack:

- Frontend: HTML, CSS, JavaScript, Reactjs, Django
- Backend: Node.js, ExpressJS, Python
- Database: MySQL
- Geolocation and Mapping: Google Maps API
- API's- IRCTC *

5. Milestones:

- Completion of User Authentication and Authorization
- Implementation of Rides booking system
- Cloning Checkout and Payment gateway
- Real-Time Ride Tracking and Notifications
- User Feedback and Iterative Improvements

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