**Problem Statement: Personalized Trip Planner(Trip Tracker)**

Planning a trip requires meticulous organization of destinations, time management, and activity scheduling. Travelers often face challenges in creating an optimized itinerary that aligns with their preferences, available duration, and budget constraints. Additionally, many individuals seek a platform that allows them to document their travel experiences, maintain a checklist of planned activities, and explore notable attractions at their chosen destinations.

This project aims to develop a **Personalized Trip Planning**  that provides users with a structured and customizable travel experience. The system will offer the following key features:

**Trip Customization** – Users should be able to specify one or multiple locations they wish to visit. The system will take these inputs and generate an optimized travel plan. Additional destination-related options may include:

* **City** – Users can enter specific cities, towns, or countries.
* **Preferred Order of Visit** – Users can either specify the sequence of destinations or let the system optimise it.

**2. Automated Itinerary Generation** – The system will generate an optimized trip plan, ensuring efficient time allocation

**3. Attraction Discovery** – Users will receive recommendations for the most interesting and popular places near their selected destinations.

**4. To-Do List Management** – A dedicated section will allow users to create and track a checklist of activities they wish to complete during their trip and also a checklist the luggage they need to carry.

* **Memory Storage and Retrieval** – Users can upload photos, write travel notes, and document their experiences for future reference.
* **Personalized User Experience** – The system will store past trip plans and memories, allowing users to revisit and manage their travel history.

**5. Budget Tracker**

The **budget tracker** will help users monitor their expenses and stay within their planned spending limits. Key features include:

* **Expense Estimation -**Estimated costs for **transportation, accommodation, meals, activities, and shopping** are displayed before the trip.Users can set a **total budget** and allocate specific amounts for each category.
* **Real-Time Expense Tracking -**Users can **log daily expenses** under predefined categories (e.g., food, travel, tickets). The system provides a **running total** of spending, highlighting how much of the budget remains.Alerts notify users if they exceed their allocated budget for a particular category.

**6. Travel Packages & Accommodations Feature**

The system offers **customizable travel packages** to suit different budgets and preferences, including options for adventure, luxury, cultural experiences, and family-friendly trips. Users can also select from a range of **accommodation choices**, from budget stays to premium hotels, ensuring a comfortable and personalized travel experience.

By integrating itinerary planning, activity management, and memory storage, this solution will enhance the overall travel experience, ensuring efficiency, organization, and personalization for users.