

Task Title: Build a Mini Travel Itinerary Generator

Objective:

Create a minimal travel itinerary suggestion tool where a user can input their available time (in days or hours), budget, and 2–3 places they want to visit. Based on this, generate a simple itinerary with approximate timings and cost estimates using dummy logic.

Features to Implement:

Frontend (React or Vue):

- A form that accepts:
 - Number of days or hours available
 - Budget (in INR)
 - 2–3 preferred places to visit (free text or dropdown)
- A "Generate Itinerary" button
- Display the generated itinerary in a user-friendly format with:
 - Day-wise or hour-wise breakdown
 - Estimated cab cost
 - Time spent at each location

Backend (FastAPI):

- Create a REST API endpoint that:
 - Accepts user inputs from the frontend
 - Generates a dummy itinerary using predefined logic such as:
 - Select 1–2 popular places based on input
 - Add 1 lesser-known local place (from a small internal list)
 - Generate estimated cab costs and durations
 - Returns the itinerary in JSON format

Bonus (Optional):

- Maintain a small static list of places with metadata:
 - Best time to visit
 - Crowd level (Low/Medium/High)

- Entry fee (approx)
- Local popularity
- Use this metadata to influence the itinerary generation (e.g. avoid crowded places, prioritize local gems)

Constraints:

- No database integration required; hardcoded data is acceptable
- Focus on code quality, thought process, and basic UX
- Keep the UI clean and responsive

Submission:

- GitHub repo with clear instructions on how to run frontend and backend
- Screenshots or a short Loom video explaining the implementation and logic

Evaluation Criteria:

- Clarity and structure of code
- Basic full-stack integration
- UX simplicity and functionality
- Bonus: Use of place metadata and logic customization