

statement.md

Project Statement: Travel Package Price Calculator

1. Goal

The primary goal of the Travel Package Price Calculator project is to provide a transparent, accurate, and easy-to-use tool for calculating the estimated cost of customizable travel packages. This tool aims to streamline the quoting process by consolidating various pricing tiers, fees, and taxes into a single, verifiable breakdown.

2. Target Audience

The primary target audience for this calculator includes:

- **Small to Mid-Sized Travel Agents:** Those who need a quick and reliable way to generate price quotes for clients without relying on complex enterprise software.
- **Internal Finance/Quoting Teams:** Personnel responsible for quickly generating provisional package estimates based on standard service rates.
- **Tour Operators:** Small, specialized tour groups who offer packages within the 1-to-10 spots visited range, needing immediate cost confirmation.

3. Scope

The current scope of this calculator includes:

- **Tiered Pricing:** Dynamic cost calculation based on the number of places (spots) visited (1 to 10).
- **Customization Fees:** Inclusion of variable costs based on selected tourist guide language (English, Hindi, Spanish, French) and guide experience level (Beginner, Intermediate, Expert).
- **Taxation:** Accurate application of the Goods and Services Tax (GST) at a fixed rate of 12%, with the final tax amount rounded up (`math.ceil`) for administrative simplicity.

The calculator currently operates as a command-line utility and focuses solely on the cost computation phase of the travel planning lifecycle.

4. Values

This project adheres to the following core values:

- **Transparency:** Every component of the total price (base cost, fees, subtotal, GST) is explicitly broken down for the user.

- **Accuracy:** The price tiers and fee structure are hard-coded to ensure consistent and reliable quotation generation.
- **Usability:** The input prompts are designed to be clear and guided, preventing errors through strict validation checks on the number of places and selection options.

5. Future Development (Optional)

Potential future enhancements could include:

- Implementing user authentication and data persistence for quote history.
- Expanding the pricing model to include lodging, transportation, and custom add-ons.
- Developing a web-based interface for broader accessibility.