**Project Proposal: VoyageEase**

**1. Introduction:** VoyageEase is a university-level project aimed at developing a user-friendly website to assist travelers in planning their trips efficiently. The website will incorporate essential features such as interactive maps, budget planners, and real-time weather updates, providing users with a comprehensive toolset for seamless travel planning.

**2. Objectives:**

* Develop a simple and intuitive website interface accessible to users of all levels of technical proficiency.
* Implement key features including an interactive map, budget planner, and weather forecast to facilitate trip planning.
* Ensure the project adheres to academic standards and requirements while delivering a functional and practical solution for users.

**3. Features:**

**Interactive Map:**

* Allow users to explore destinations and attractions through an interactive map interface.
* Display detailed information such as reviews, ratings, and photos of places directly on the map.
* Provide customizable filters for refining search results based on preferences.

**Budget Planner:**

* Enable users to set and manage their travel budget, allocating funds for different expenses.
* Offer suggestions and recommendations for cost-effective options based on user inputs.
* Track expenses in real-time and provide updates to help users stay within their budget.

**Weather Forecast:**

* Integrate a weather forecast feature to provide users with current and future weather conditions at their destination.
* Enable users to plan activities and packing accordingly to mitigate disruptions caused by adverse weather.
* Implement alerts and notifications for significant weather changes affecting travel plans.

**4. Technology Stack:**

* Frontend: HTML, CSS, JavaScript (Vanilla or simple frameworks like Bootstrap)
* Backend: Node.js (with Express.js for simplicity)
* Database: MongoDB (or any simple database for storing user preferences)
* Mapping API: Google Maps API (free tier for limited usage)
* Weather API: OpenWeatherMap API (free tier for limited usage)