Tourist Programs Management System

Project Overview

The Tourist Programs Management System is a comprehensive web application designed to facilitate the creation, management, and customization of tourist programs. This project aims to enhance user experience by integrating various essential features such as real-time weather updates, notifications for program updates, VIP services with levels and rewards, and challenges to incentivize user engagement.

Key Objectives

Primary Goal:

1. Provide a platform for users to manage and customize their tourist programs.
2. Integrate partner company programs.
3. Enhance user experience with weather updates and notifications.

Secondary Goals:

1. Offer VIP services with levels and rewards (discounts).

Technologies Used

- Frontend: Vue.js, Tailwind CSS
- Backend: PHP (Laravel)
- Database: MySQL
- Hosting: Apache/Docker
- Version Control: Git/GitHub

Functional Requirements

User Authentication:

- Registration
- Login (including Google account integration)
- Password Reset

User Dashboard:

- View, Create, Edit, Delete Programs

Program Features:

- Weather Updates: Real-time weather information.
- Notifications: Alerts for program updates and reminders.
- VIP Services: Levels, Challenges, Rewards

VIP Services and Rewards

- Levels: Users can level up by completing programs.

- Rewards: Discounts on programs and other benefits based on VIP levels.
- Progress Tracking: Users can track their progress and see the benefits of leveling up.

Technical Specifications

- Frontend: Vue.js, Tailwind CSS
- Backend: PHP (Laravel)
- Database: MySQL
- APIs: Weather API, Notification Service, Payment Gateway (not yet determined)

APIs and Integrations

- Weather API: OpenWeatherMap, Weatherstack
- Notification Service: Firebase Cloud Messaging
- Payment Gateway: Stripe, PayPal
- Geolocation: Google Maps API
- Email Service: SendGrid, Mailgun

Documentation

- Comprehensive user and developer documentation.