

Trip Diary-Travel Management & Tour Suggestion System

Project Description:

Trip Diary is a travel management and planning system designed to help users record, organize, and improve their travel experiences. The platform allows users to log their past trips, plan upcoming journeys, estimate average travel costs, and store personal photos and videos from different places they have visited.

Users can sign up, log in, and use the system through a secure account. There is an admin panel to manage users, content, and location data.

One of the main features is the smart tour suggestion system, which recommends new travel destinations based on the user's travel history. It avoids suggesting places that the user has already visited. Users can choose whether they want to travel within their own country or explore international destinations.

The platform also includes a community tour event feature, where any user can create a tour event, and other users can view and join those events.

The goal of this project is to create an interactive and user-friendly travel platform that combines personal travel journaling with community-based trip planning.

Defined Users:

1. Admin
2. Registered User
3. Guest User
4. System

User Activities:

1. Admin Activities:

Manage user accounts (view, delete, block)

- Manage destination database (add/edit/remove locations)
- Approve or monitor public tour events
- Monitor uploaded media (photos/videos)
- Oversee system performance and content moderation

2. Registered User Activities (after login/signup):

- Sign up and log in to the platform
- View and update personal profile
- Add past trips (destination, date, notes)
- Plan upcoming trips
- Upload and view travel photos and videos
- Get travel suggestions based on travel history
- Choose travel type: within the country or abroad
- Create tour events (public)
- View and enroll in available tour events
- View average cost estimations for trips

3. Guest User Activities (not logged in):

- Browse basic platform overview (homepage/features)
- View available public tour events (limited details)
- View travel suggestions (demo or limited preview)
- Sign up or log in to access full features

4. System:

- Suggests Destinations not yet visited by the user.

Case Study:

In the Trip Diary travel management system, a guest can browse public tour events and view destination suggestions, but cannot create events, upload media, or receive personalized recommendations. A user must log in to access full features of the system. To log in, the system verifies the user's credentials.

A user can log their past trips by entering destinations, travel dates, notes, and uploading media like photos or videos. Users can also plan future trips by adding destinations they intend to visit. Based on their travel history and preferences (domestic or international), the system suggests new destinations not yet visited by the user.

A user can also create public tour events. These events are visible to other users, who can then enroll to join them. All event creation and enrollment activities are managed and monitored by the admin.

The system allows users to estimate travel costs by entering details such as destination, travel type, and trip duration. Based on past data, the system calculates an approximate budget for the trip.

The admin moderates user-generated content, maintains the destination database, and manages all tour events.

Use Case Diagram:

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