

# Travel Booking Management System

## Team Members

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## Overview

This is a comprehensive platform for managing travel-related operations, including user management, booking travel packages, payment handling, itinerary planning, and reviews. This system aims to streamline the travel process for users and administrators. The Travel Management System is designed to:

- Allow users to register, book packages, and track rewards.
- Enable administrators to manage users, packages, reviews, and itineraries.
- Provide a seamless travel experience with integrated features.

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## Data Requirements

### Entities

#### User

- **Details:** Each user will have first Name, last name, email, password, contact information and boolean attribute is\_Admin which shows if given user is admin or not.

#### Booking

- **Details:** Booking Entity will have booking\_id, package\_id(associated package), user\_id(associated user), Travel dates, booking\_date, status details.

#### Package

- **Details:** This will contain details about package like name, Travel package descriptions, pricing, duration and destination\_id.

#### Payment

- **Details:** It contains details about booking payment like payment\_date, Amount, method, status and booking\_id associated with it.

#### Destination

- **Details:** Location details such as city, state, country and location description.

#### Itinerary

- **Details:** This contains fields like activity name, activity description, package id and parent\_id which refers to another Itinerary value(sub-activity).

#### Review

- **Details:** It contains Ratings and reviews for particular user\_id and package\_id.

## Rewards

- **Details:** Contains Rewards points, last updated date associated with user\_id.
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## Application Requirements

### User-Specific Functions

#### General User Actions

- Register and log in to the platform.
- Manage personal profiles, user can edit its own user details.

#### Booking Actions

- Browse and book travel packages. User can browse various travel package and can book any package from the list.

#### Itinerary Exploration

- User can view detailed itineraries, including sub-activities associated with each package.

#### Payment Actions

- After booking user can complete secure payments for bookings. User can also see the payment status (eg Success/Failed)

#### Review Actions

- User can submit and view reviews for travel packages.

#### Rewards Actions

- After user successfully books a package, predefined reward points are automatically added to its account which it can redeem in next booking.

### Admin-Specific Functions

- Manage user accounts (add, update, or deactivate).
  - Create, update, and delete travel packages and destinations.
  - Moderate and manage reviews.
  - Update itineraries with new activities or modifications.
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