TRAVEL PLANNER

TEAM MEMBERS
N. P. PRAGASHRI (PES2UG21CS311)
NETRA D PATEL (PES2UG21CS330)

MINI PROJECT USER REQUIREMENT SPECIFICATION

1. **Introduction**

    - **Purpose of the project:** The purpose of this project is to develop a comprehensive travel planning system that assists users in planning their vacations. The system aims to simplify the process of researching destinations, activities, accommodations, and reviews to help users make informed decisions about their travel plans.

    - **Scope of the project:** The scope of this project includes the development of a web-based travel planning platform. Users can register and log in to the system, search for destinations, view destination details, explore activities, book accommodations, and read and write reviews. The system will also incorporate features like user authentication, data storage, and retrieval, ensuring a seamless and efficient travel planning experience.

2. **Project Description**

    - **Project overview:** The travel planner project is a web application designed to provide users with a one-stop platform for planning their vacations. It offers information about various destinations, activities, accommodations, and user reviews to help users make well-informed travel decisions. The system prioritizes user experience and aims to simplify the often-overwhelming process of travel planning.

    - **Major project functionalities:** The major functionalities of the travel planner system include:

        ○ User Registration and Authentication: Users can register for an account and log in securely to access personalized features.

○ Destination Search and Exploration: Users can search for destinations based on criteria like country and climate. Detailed information about each destination, including images and climate data, is available.

○ Activity Recommendations: Users can explore various types of activities (sports, relaxation, adventure) associated with each destination. Estimated costs for each activity type are provided.

○ Accommodation Booking: Users can view available accommodations for their selected destinations. They can book accommodations based on their preferences (start date, end date, number of people).

○ User Reviews: Users can read and write reviews for destinations they have visited. Reviews include ratings and comments.

3. **System Features and Function Requirements**
   - **System Feature 1: User Management**
     ○ User registration with username, phone number, email, and password.
     ○ User authentication and login.
   - **System Feature 2: Destination Management**
     ○ Display a list of destinations with details (name, country, climate, image URL).
     ○ Filter destinations by country and climate.
   - **System Feature 3: Activity Management**
     ○ Display activities associated with each destination.
     ○ Categorize activities as sports, relaxation, or adventure.
     ○ Display estimated costs for each activity type.
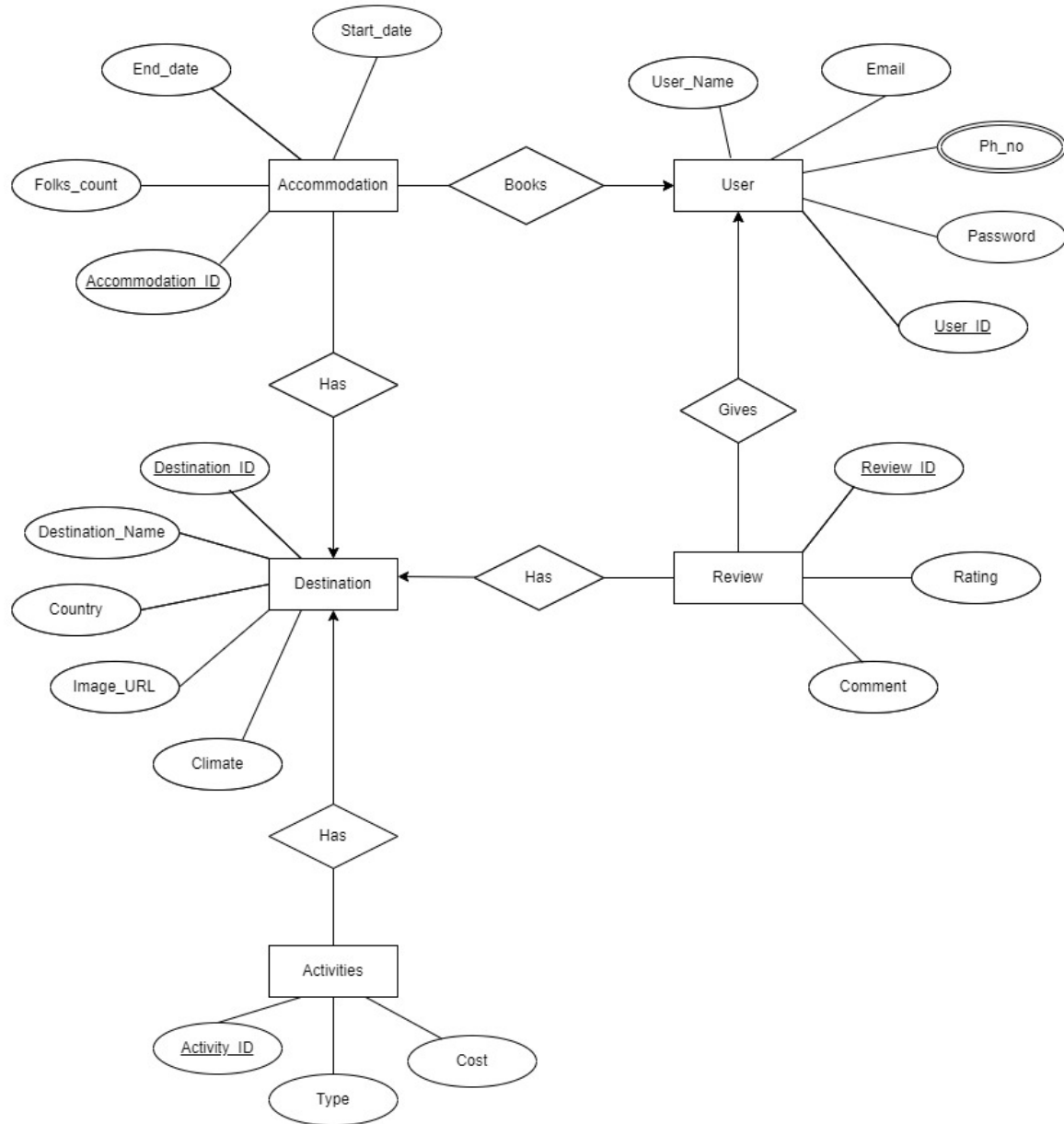   - **System Feature 4: Accommodation Management**
     ○ Display available accommodations for each destination.
     ○ Allow users to book accommodations with start and end dates, and number of people.

   - **System Feature 5: Review Management**
     ○ Allow users to write and submit reviews for destinations.
     ○ Display reviews with ratings and comments.

ENTITY RELATIONSHIP DIAGRAM:

RELATIONAL SCHEMA:

USER TABLE

User_ID	User_Name	Ph_no	Email	Password

DESTINATION TABLE

Destination_ID	Destination_Name	Country	Image_URL	Climate

ACCOMMODATION TABLE

Accommodation_ID	Folks_count	End_date	Start_date	Destination_ID	User_ID

ACTIVITY TABLE

Activity_ID	Destination_ID	Type	Cost

REVIEW TABLE

Review_ID	User_ID	Destination_ID	Rating	Comment