Project Title:

PawPal: A Pet Sitting Service Backend

Project Summary:

PawPal is a backend system designed to support a fictional pet-sitting service. The system allows pet owners to register their pets, view available pet sitters, and schedule pet sitting appointments. Pet sitters can manage their schedule and keep track of the pets they’re responsible for.

System Users:

* Pet Owners: Can register pets, book sitting appointments, and view sitting information
* Pet Sitters: Can view their appointments and rate their experience with specific pets

Use Cases:

1. Register a Pet: A pet owner can create a profile for their pet
2. Add a Pet Sitter: Staff/Admins can add sitters and their availability
3. Book an Appointment: An owner books a sitter for a date range for a specific pet
4. View Appointments: Sitters and owners can view upcoming appointments
5. Rate a Sitter or Pet: Add ratings or notes after an appointment

Data Requirements:

1. Owner
   1. Name
   2. Email
   3. Phone Number
2. Pet
   1. Name
   2. Type (Dog, cat, etc.)
   3. Breed
   4. Age
   5. Notes (allergies, behavior, etc.)
   6. Owner ID (foreign key)
3. Sitter
   1. Name
   2. Rating (0-5)
   3. Phone
   4. AvailableDays
4. SittingAppointment
   1. Appointment ID
   2. Pet ID (foreign key)
   3. Sitter ID (foreign key)
   4. StartDate (with time)
   5. EndDate (with time)
   6. Status
5. SitterRating
   1. Rating ID
   2. Sitter ID (foreign key)
   3. Owner ID (foreign key)
   4. Appointment ID (foreign key)
   5. Rating (0-5)
   6. Comment
   7. DateSubmitted
6. PetRating
   1. Rating ID
   2. Pet ID (foreign key)
   3. Sitter ID (foreign key)
   4. Appointment ID (foreign key)
   5. Rating (0-5)
   6. Comment
   7. DateSubmitted

Non-Functional Requirements

* Should be implemented using a relation DBMS like MySQL or PostgreSQL
* CLI interaction for creating pets, sitters, and appointments
* Sample data vis SQL INSERTs