Department of
Computer Science & Engineering
University of Liberal Arts Bangladesh

Care4purrt
(Pet Health Care System)

Submitted to

Md Anowarul Abedin

Department of Computer Science and Engineering (CSE)

University of Liberal Arts Bangladesh.

Dhaka, Bangladesh

Submitted by

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Course Title: Software Engineering, Course Code: CSE 3203

Section: 03, Semester: Fall 2025

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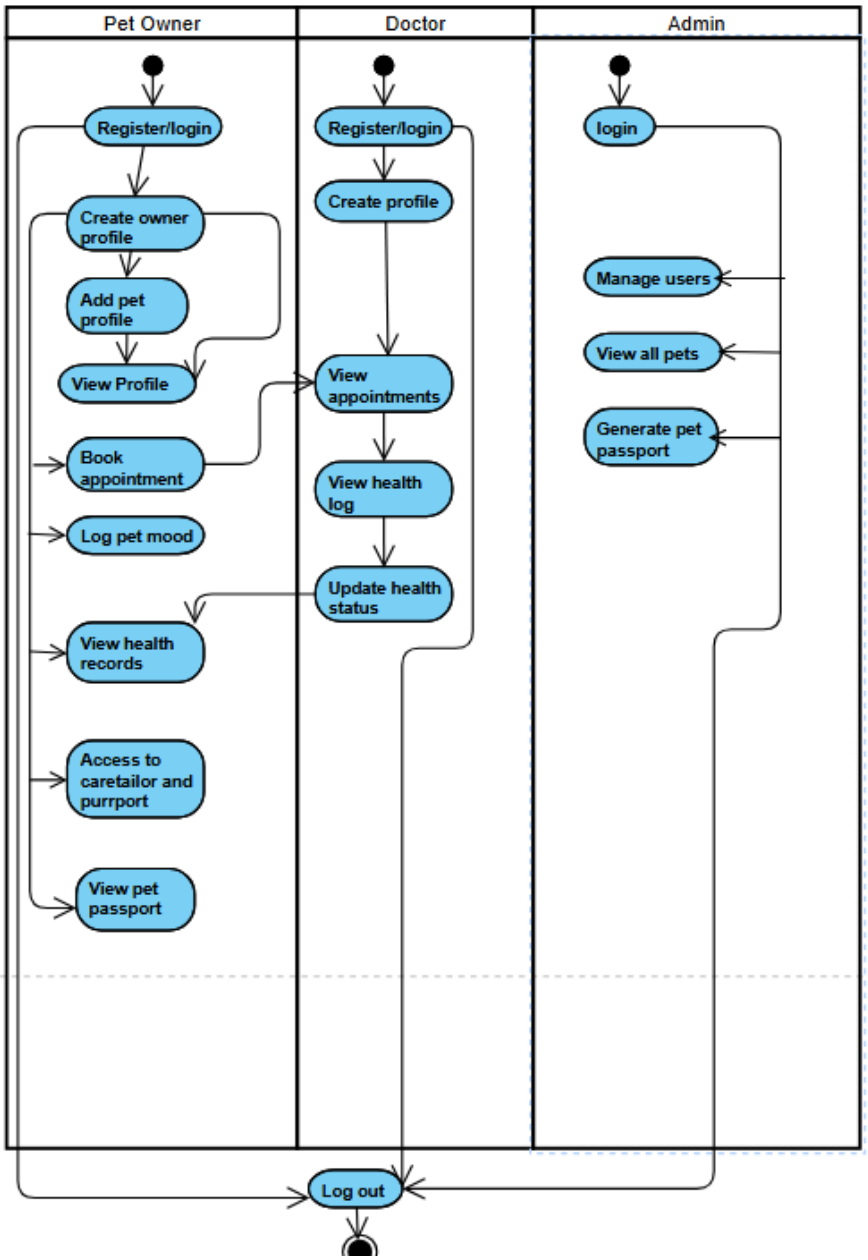
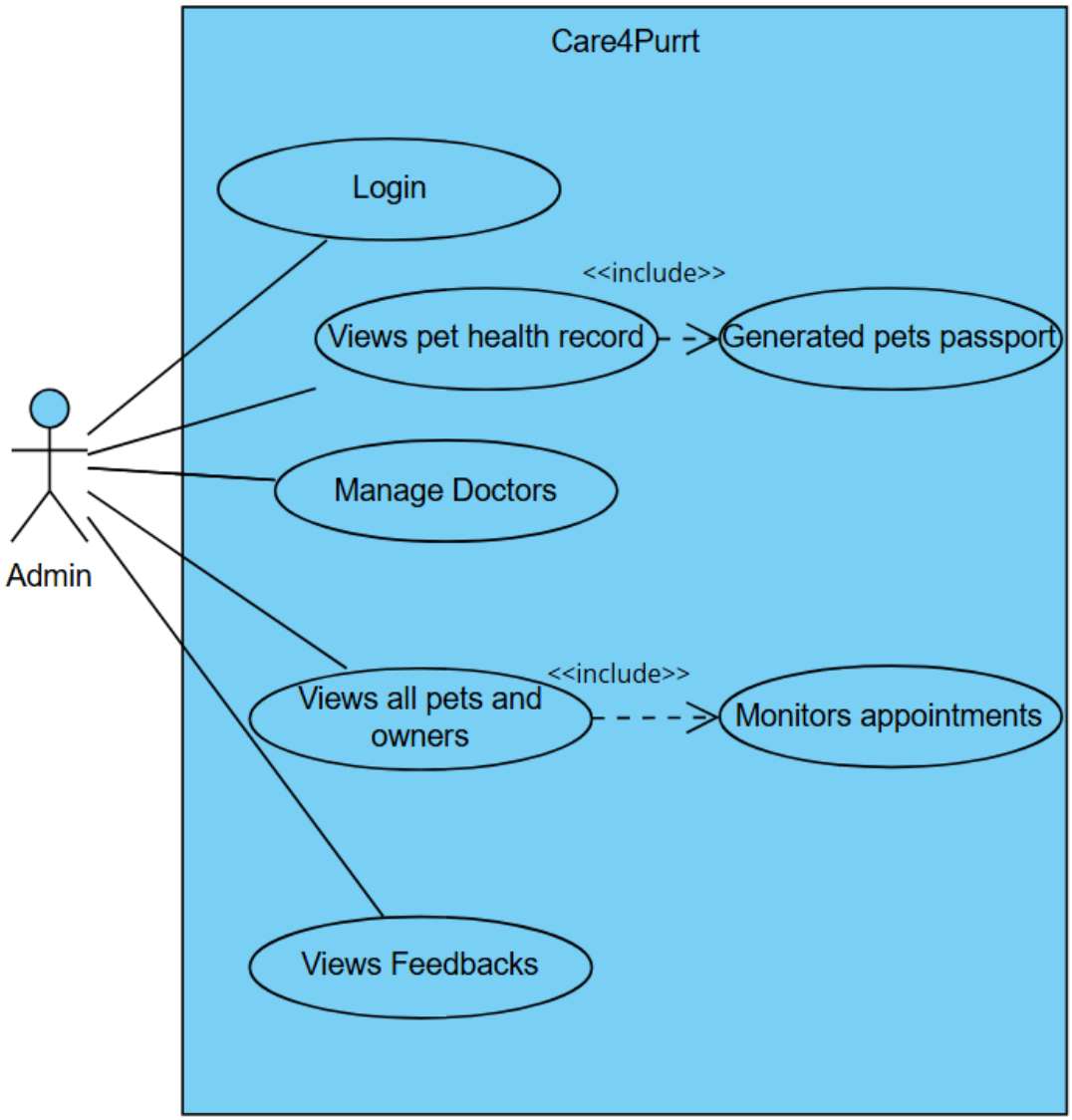
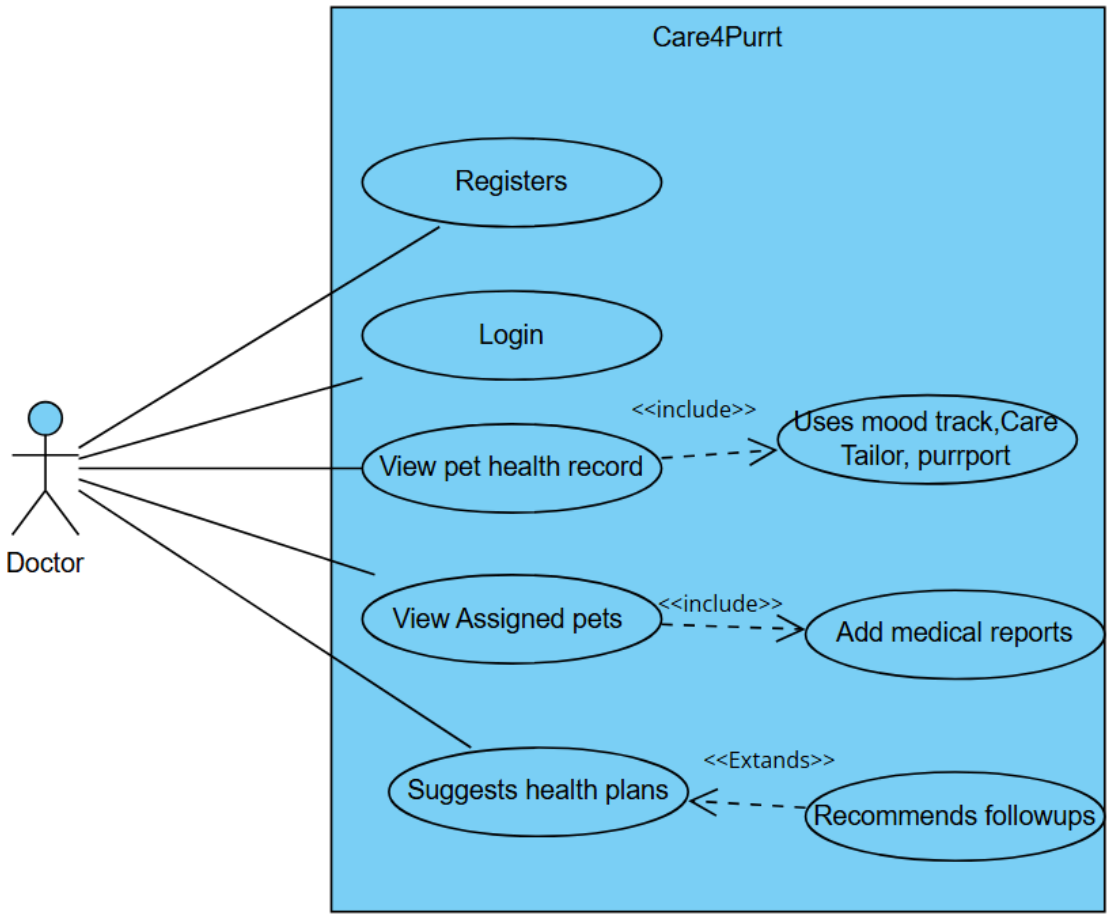
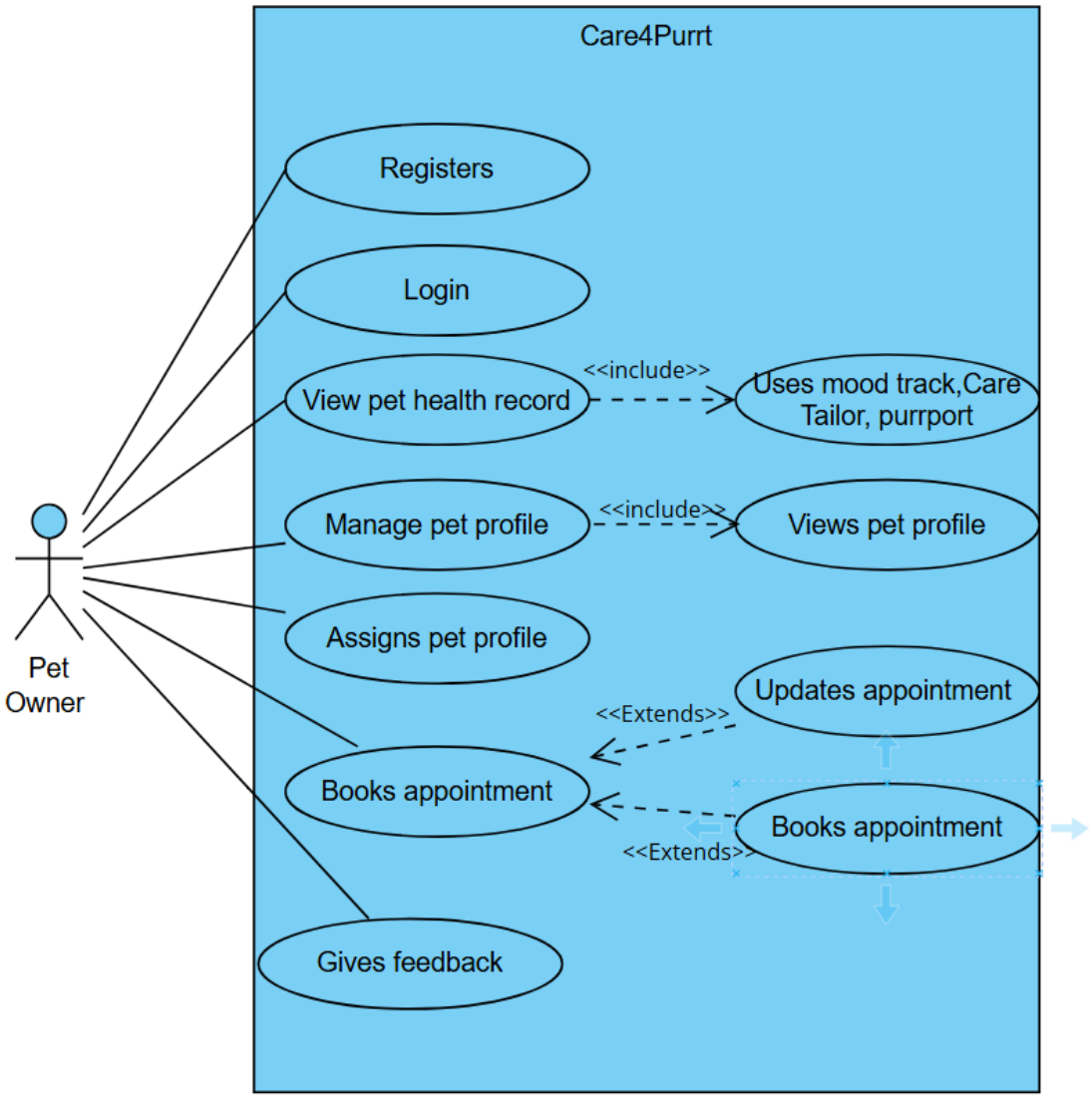
Activity Diagram:



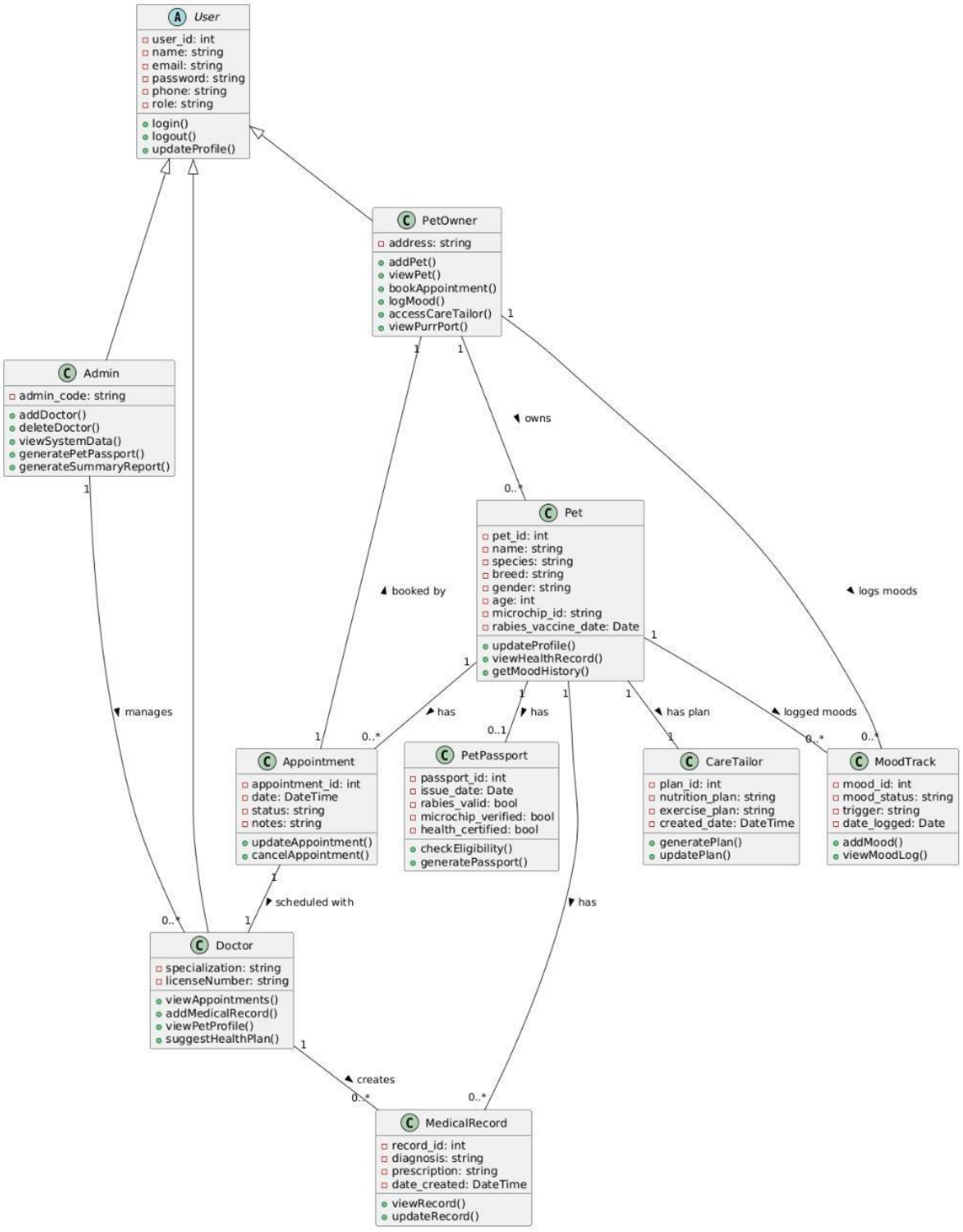
Use case Diagram:



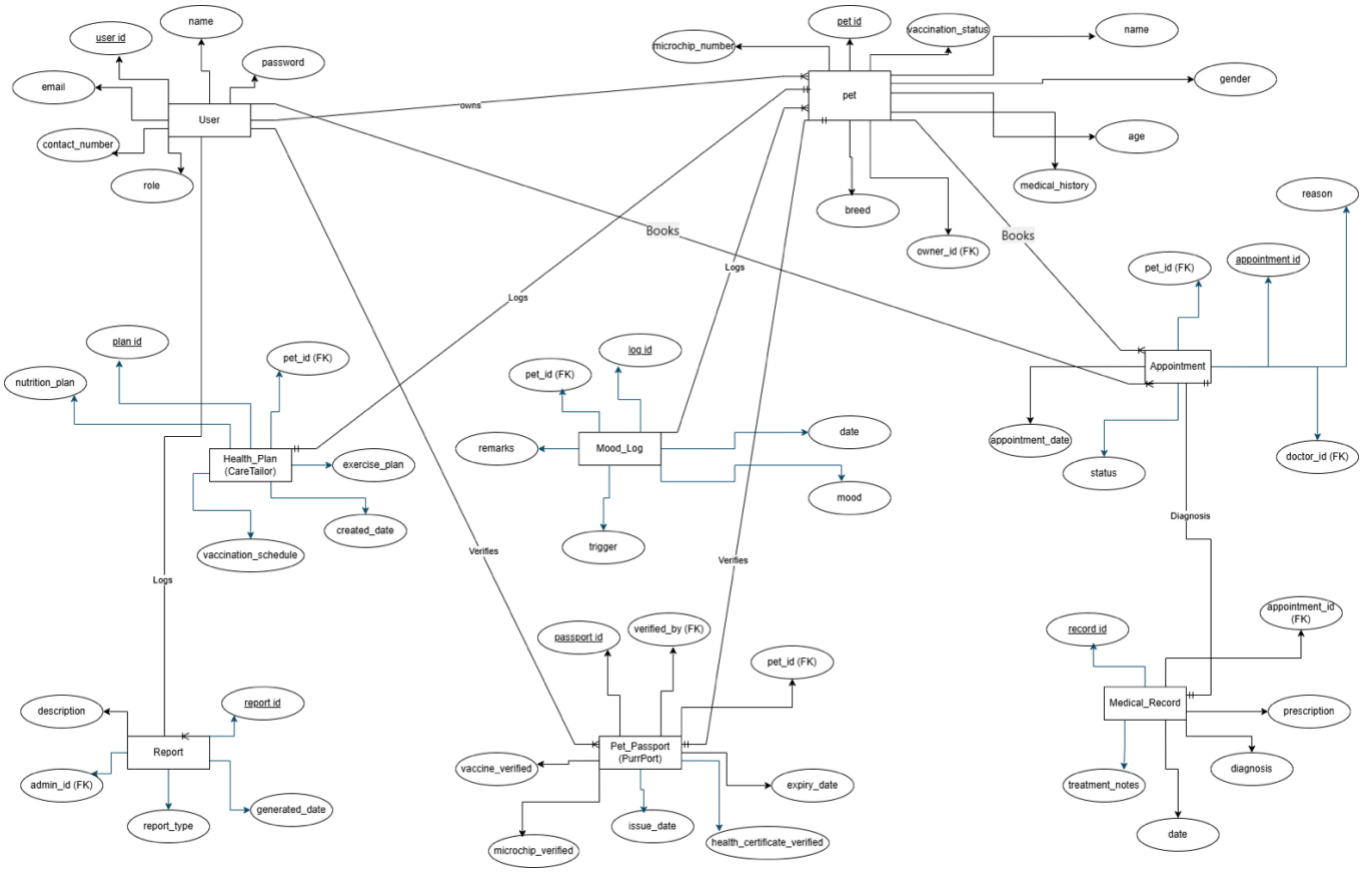

Care4Purrt
Registers
Login
View pet health record
<<include>>
Uses mood track,Care Tailor, purrport
View Assigned pets
<<include>>
Add medical reports
Suggests health plans
<<Extands>>
Recommends followups
Doctor


Care4Purrt
Registers
Login
View pet health record
<<include>>
Uses mood track,Care Tailor, purrport
Manage pet profile
<<include>>
Views pet profile
Assigns pet profile
Updates appointment
<<Extends>>
Books appointment
Books appointment
<<Extends>>
Gives feedback
Pet Owner

Class Diagram:



ERD:


User
user id
name
password
email
contact_number
role
owns
pet
pet id
microchip_number
vaccination_status
name
gender
age
medical_history
breed
owner_id (FK)
Books
Books
Logs
Logs
Health_Plan (CareTailor)
plan id
nutrition_plan
pet_id (FK)
exercise_plan
created_date
vaccination_schedule
Logs
Mood_Log
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remarks
date
mood
trigger
Verifies
Verifies
Appointment
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Diagnosis
Report
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Pet_Passport (PurrPort)
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pet_id (FK)
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issue_date
microchip_verified
health_certificate_verified
Medical_Record
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appointment_id (FK)
prescription
diagnosis
treatment_notes
date