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Chapter 1:

In this chapter we are going to discuss and go deeper in the overview of the project and know more about its scope and limitations and explain some terminologies we will find throughout the document.

Chapter Headlines:

1.1 Overview

1.2 Project Motivation

1.3 problem statement

1.4 Project Aim and Objectives

1.5 Project Software and Hardware Requirements

1.6 Project scope

1.7 Project limitations

1.8 The expected output of the project

Chapter 1:

1.1 Overview

- PetCaretoria is a web application that enables pet owners to take care of their pets by finding nearby service providers such as veterinarians, groomers, and pet shelters.
- Pet owners can create their own accounts on the platform, browse available services, adopt pets, book appointments, and share posts and feedback about their experiences.
- Service providers and shelters can also create accounts to manage their services, display available pets for adoption, view bookings, and interact with pet owners through comments and messages.

PetCaretoria is a platform that connects pet lovers with trusted services in a smart and convenient way using the latest technology. It reduces the time and effort required to find reliable pet services or adopt a pet. PetCaretoria offers users multiple benefits such as:

- Discovering nearby service providers with ease

- Browsing available pets for adoption based on filters
- Booking appointments online without hassle
- A free platform that benefits both pet owners and providers by making pet care more accessible and organized

PetCaretoria creates a win-win situation for pet lovers, shelters, and service providers by simplifying the entire process and building a connected pet care community.

1.2 Project Motivation

It's an irrefutable fact that many pet owners face real difficulties when it comes to finding trusted and nearby services for their pets — whether it's a vet, a groomer, a shelter, or even a place for adoption. Most of the time, they don't know where to go or how to evaluate the quality of the service, especially in emergencies or when relocating to a new area.

Nowadays, the world has become smaller thanks to the Internet, and searching online for what we need has become much easier and faster.

However, when it comes to pet care, there is still a gap. You may have a sick pet and no idea where the nearest veterinary clinic is, or you might want to adopt but can't find reliable shelter information around you. This is exactly where **PetCaretopia** comes in.

This project aims to make it easier for pet owners to find and connect with nearby, trusted service providers, all in one platform. What makes PetCaretopia unique is that it not only helps users discover services near them, but also gives them options to choose from, read reviews, share feedback, and engage with the community — all in a modern, smart, and accessible way.

1.3 problem statement:

One of the main problems that may arise when using an online platform like **Tair** is the user's dependency on having an active internet connection. In urgent situations — such as sudden car breakdowns in remote areas — the user might not have access to the internet, which prevents them from opening the website and contacting the nearest mechanic.

This limitation highlights a critical gap in accessibility, especially during emergencies where fast communication is essential. The lack of offline support or alternative communication methods can reduce the effectiveness of the platform in real-life scenarios where it's most needed.

1.4 Project Aim and Objectives

The main goal of **Tair** is to simplify and improve the communication between car owners and mechanics, wherever the car owners may be. The platform aims to ensure that users can easily search for, contact, and book mechanics based on proximity, reputation, and availability — all in one centralized system.

Objectives:

- Enable car owners to find the **nearest mechanic workshops** with ease.
- Allow users to **book appointments online** and **communicate directly** with mechanics.
- Collect **user feedback** and ratings for each mechanic to help others make informed decisions.
- Help mechanics build a **database of clients**, including their car models and previous issues, to streamline their workflow.

- Create a **user-friendly platform** that connects both sides efficiently and reduces the time and stress of car repair processes.

Tair brings mechanics and users together on a single platform, making it the most practical and reliable search and booking site for automotive repair services.

1.5 Project Software and Hardware Requirements

1.5.1 Software Requirements

In this project, we are using the following software technologies:

BACK-END:

- Java as the main programming language
- Spring Boot framework for building RESTful APIs
- WebSockets for real-time communication between users (e.g., messaging, notifications)
- MySQL as the relational database management system

FRONT-END:

- React.js for building a dynamic, component-based user interface**
- HTML5 & CSS3 for structuring and styling the web pages**

Other Tools & Libraries:

- JWT for authentication and authorization**
- Lombok and MapStruct for cleaner code and DTO mapping**
- Axios for API calls from the frontend**
- Socket.IO or native WebSocket support on both frontend and backend for real-time features**

1.4.2 Hardware Requirements

Users can use any laptop(windows-linux) or mobile phone (Android - IOS)

1.5 Project, Product, and Schedule Risks

Risk	Discription	Mitigation
Project Risk	<p>Uncertain event or activity that can impact the project's progress, ex: Lack of communication, causing lack of clarity and confusion.</p> <p>Adding of features and functionality (project scope) without addressing the effects on time, costs, and resources and that may effect on the progress of main features.</p>	<p>Schedule regular team meetings to maintain clear communication.</p> <p>Apply change management practices to prevent uncontrolled scope expansion.</p> <p>Document all requirements and agreements to ensure alignment among team members.</p>
Product Risk	<p>The possibility that the system or software might fail to satisfy or fulfill the expectation of the customer, user, or stakeholders, ex: bad recommendation system or some crashes due to mistakes in connection between backend and frontend.</p>	<p>Perform regular testing, including unit and integration tests, throughout development.</p> <p>Share demos or prototypes with users early to gather feedback and adjust features accordingly.</p> <p>Conduct frequent code reviews to detect and fix issues early.</p>
Schedule Risk	<p>Failing to meet schedule plans and the effect of that failure, ex: Project schedule is not clearly defined or understood</p>	<p>Create a clear and detailed project timeline covering all development phases.</p> <p>Allocate buffer time for each phase to absorb unexpected delays.</p>

1.6 Project scope

1.6.1 Main Scope

- Communication:**

The platform enables smooth communication between pet owners and service providers (vets, groomers, shelters), helping users get fast support and build trust through direct messaging and notifications.

- Booking Services:**

Users can explore service providers near them, view their profiles and service details, then book appointments directly through the system.

- Pet Adoption:**

Animal shelters can list available pets for adoption with full details, and users can apply to adopt and track the status of their requests.

- Rating and Feedback:**

After receiving a service or adopting a pet, users can rate their experience and leave feedback, which enhances trust and improves the recommendation system.

- **Community Engagement:**

Users can post, comment, react, and share pet-related content, creating a social space that builds connection and engagement.

1.7 Project limitations:

The platform currently supports pet-related services and adoption **within a specific region or country**. Cross-border services or international shelter listings are not supported in the current phase.

Additionally, the platform requires a stable internet connection to access services, meaning offline functionality is limited.

1.8 The expected output of the project:

A pet owner using **PetCaretopia** will be able to:

- Discover nearby and trusted pet care services based on their location
- Book appointments easily
- Apply for pet adoption
- Communicate directly with providers
- Interact with a growing pet-loving community

All of this through a centralized platform designed for convenience, trust, and engagement

Chapter 2

2.1 Introduction

In this chapter, we present similar applications that provide services related to pet care, adoption, or connecting pet owners with service providers. We analyze the common issues these platforms face and how **PetCaretoria** addresses and resolves them using modern development and design approaches.

2.2.1 Existing Systems to Connect Pet Owners with Pet Services

Some existing platforms that offer similar functionalities to our system include:

- **Petfinder**

- **Rover**
- **Wag!**
- **Adopt-a-Pet**
- **Vetster**

2.3 Overall Problems of Existing System

Despite the usefulness of these platforms, they face several common problems that affect user satisfaction and engagement:

- **Unfriendly User Interface**
Many apps suffer from outdated or overly complex designs, making it hard for first-time users or non-technical users to navigate the system smoothly.
- **Limited Integration of Services**
Most existing platforms focus on only one function (e.g., either adoption or vet booking), forcing users to use multiple apps for complete care.

- **Lack of Personalization**

Recommendation systems in some apps are either basic or absent, failing to provide customized suggestions based on user history or pet profile.

- **High Service Fees**

Platforms often charge high commission rates or subscription fees for both service providers and users, limiting accessibility.

2.4 Overall Solution Approach

In **PetCaretopia**, we designed the platform while keeping in mind all the weaknesses of existing systems. We implemented the following enhancements:

- **Modern and Clean UI/UX**

The platform offers a user-friendly interface designed with simplicity and clarity to allow users of all ages and backgrounds to navigate easily.

- **All-in-One Ecosystem**

Our application integrates all essential pet-related services in one place: booking, adoption, communication, community interaction, and more.

- **Smart Recommendation System**
We implemented a data-driven recommender system that uses user behavior and pet preferences to provide personalized service and pet suggestions.
- **Low-Cost Model**
By offering most services for free and using a minimal, fair commission structure, we ensure both users and providers benefit without high costs.
- **Continuous Updates**
The platform is designed to evolve. Regular updates will be released based on user feedback and emerging needs in the pet care industry.

Chapter 3: Analysis

3.1 Functional Requirements – PetCaretopia

User Registration & Login

- Users (pet owners, service providers, shelters, admins) can register and log in with role-based access.

Profile Management

- Users can view and edit their personal information and pet profiles.
- Service providers can manage their service details and working hours.
- Shelters can manage pet listings.

Location-Based Search

- Users can search for nearby service providers (vets, groomers, shelters) using their current location or map.

- Filtering by service type, ratings, distance, and availability.

Pet Adoption System

- Shelters can add pets for adoption with details and photos.
- Users can view pets, apply for adoption, and track application status.
- Admins/shelters can approve or reject requests.

Booking Services

- Pet owners can book appointments with service providers (e.g., vet, groomer).
- Booking includes date/time selection, service type, and optional notes.
- Users receive booking confirmation and reminders.

Live Chat (WebSocket)

- Real-time chat between pet owners and service providers for inquiries and follow-up.
- Notifications for new messages.

Rating & Reviews

- After completing a service or adoption, users can rate and write reviews.
- Average ratings are shown in provider profiles.

Post Creation & Social Interaction

- Users can create posts (with images) about their pets or experiences.
- Other users can react, comment, and share posts.

Reporting System

- Users can report inappropriate posts or behavior.
- Admin reviews and takes action.

Admin Dashboard

- Admin can manage users, pets, posts, bookings, and view system statistics.
- Admins can ban/unban users, and view reports submitted.

Feedback System

- General feedback option for users to send suggestions or complaints to platform admins.

Pet Profile Management

- Users can register multiple pets, each with breed, age, medical info, and photos.
- Used for personalized recommendations and service tracking.

Service Package Display

- Service providers can list packages (e.g., grooming plans, health checkups) with pricing and descriptions.

Search History & Personalization

- System keeps search history and behavior to suggest services and content.

Session Management

- Users are logged out after inactivity for security.
- JWT tokens used for secure session handling.
-

Product Listing

- Admins or service providers can add products (e.g., pet food, toys, accessories).
- Each product includes name, description, price, category, stock, and images.

Product Browsing & Filtering

- Users can browse the store by category, price range, brand, or pet type.
- Product search functionality included.

Product Details Page

- Each product has a dedicated page showing full details, images, availability, and reviews.

Cart Management

- Users can add/remove items from their cart.
- Quantity adjustment available before checkout.
- Total price and estimated delivery calculated in real-time.

Wishlist Feature

- Users can add products to their wishlist to purchase later.

Checkout System

- Users can place orders by providing shipping details and selecting payment method (e.g., cash on delivery, online).
- Confirmation and order summary displayed after placing an order.

Order Tracking

- Users can view order history and current status (pending, confirmed, shipped, delivered).

Stock Management

- Admins can update product stock and availability.
- Automatic alerts when stock is low.

Product Reviews & Ratings

- Users can leave reviews for products they purchased.
- Ratings help future buyers make decisions.

Discounts & Promotions

- Admin can create discount codes or time-limited offers.
- Discounts applied automatically during checkout.

3.2 Non-functional Requirements

- **Availability:**

The platform will be available 24/7. If the internet is disconnected, the last accessed screen will remain available in cache.

- **Reliability:**
Built using stable and up-to-date technologies (Spring Boot, React, WebSocket, JWT) to ensure minimal downtime and consistent performance.
- **Efficiency:**
The application uses clean code patterns, asynchronous processing, and optimized database queries to ensure a fast and smooth user experience.
- **Integrity:**
Role-based access control (via Spring Security with JWT) is implemented to ensure that users access only the features relevant to their roles (e.g., admin, pet owner, service provider).
- **Portability:**
The app is designed as a responsive web application and can later be wrapped into a mobile version for Android and iOS using frameworks like React Native or Flutter.
- **Usability:**
The UI includes accessible design elements such as readable font sizes, intuitive navigation, and consistent layout to support users of all backgrounds.
- **Scalability:**
The backend uses a cloud-ready architecture, with

MySQL database and support for scalable hosting, to handle a growing number of users and services.

- **Flexibility:**

The system follows Object-Oriented Programming and modular design principles, allowing each module (Booking, Adoption, Social, etc.) to be updated or extended independently.

3.3 Stakeholders

3.3.1 Primary Stakeholders

Project Managers

Responsible for overseeing the project timeline, resource allocation, and ensuring that the platform is developed according to the planned scope.

- **Project Team (Developers, Designers, Testers)**

The technical team involved in designing, developing, testing, and deploying the platform's features.

- **Pet Owners (Customers)**

The main users of the platform who will book

services, adopt pets, and interact socially with others in the pet community.

- **Service Providers**

Includes veterinarians, groomers, pet sitters, and others who offer services through the platform.

- **Shelters**

Institutions or individuals that list pets for adoption and manage adoption requests.

- **Admin Users**

Responsible for monitoring the platform, managing content, reviewing reports, and ensuring system integrity.

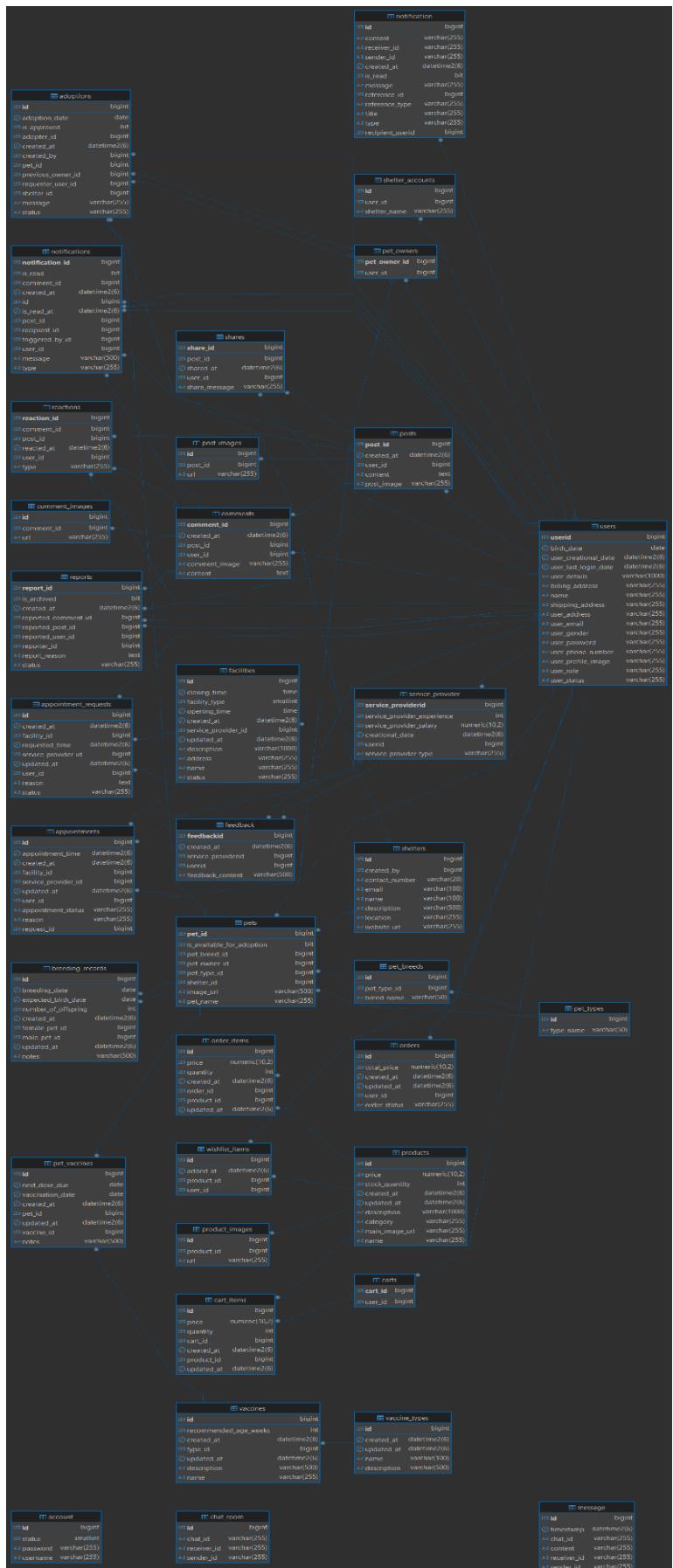
3.4 Constraints

- The application shall run primarily on mobile devices (Android or iOS), and must be responsive for different screen sizes.
- A stable internet connection is required to access most of the platform features such as real-time chat, booking, and browsing updated content.
- Only **registered users** can perform core actions like booking services, adopting pets, chatting with providers, and posting content.

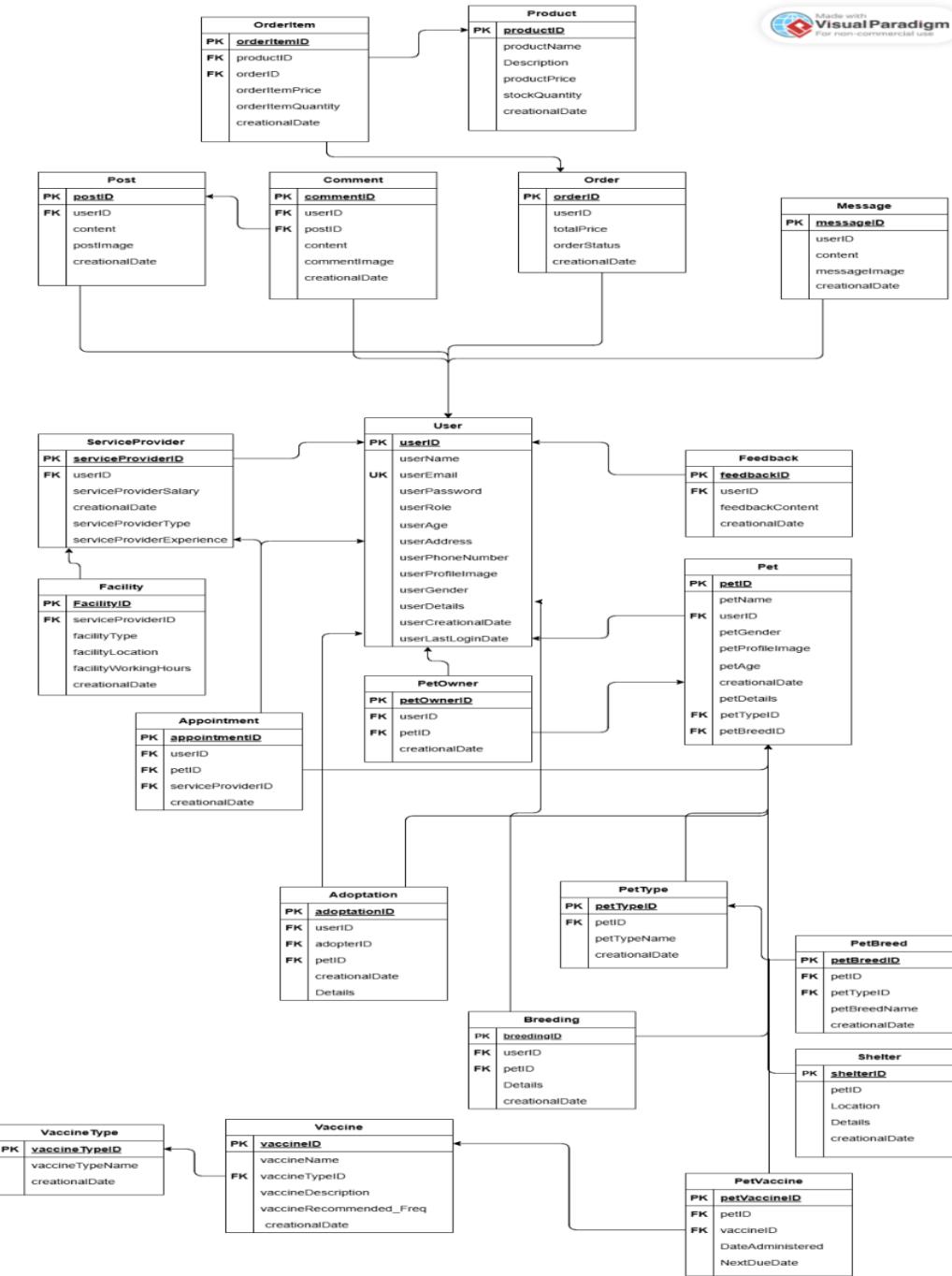
- Service providers and shelters must verify their identity before being approved to offer services or list pets.
 - The system must ensure role-based access to restrict users from accessing unauthorized functionalities.
 - The application shall comply with data privacy standards to protect user and pet information.
-

Chapter 4

4.1 Database Design

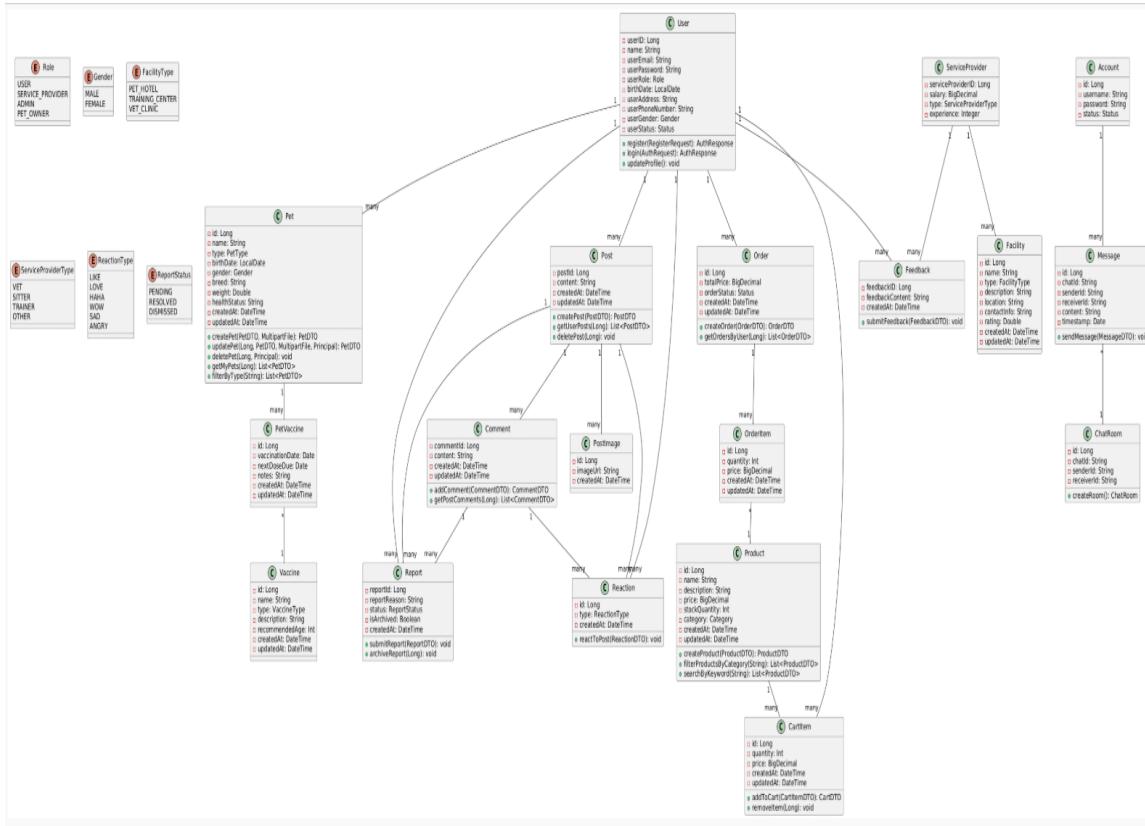


ERD diagram 4.2

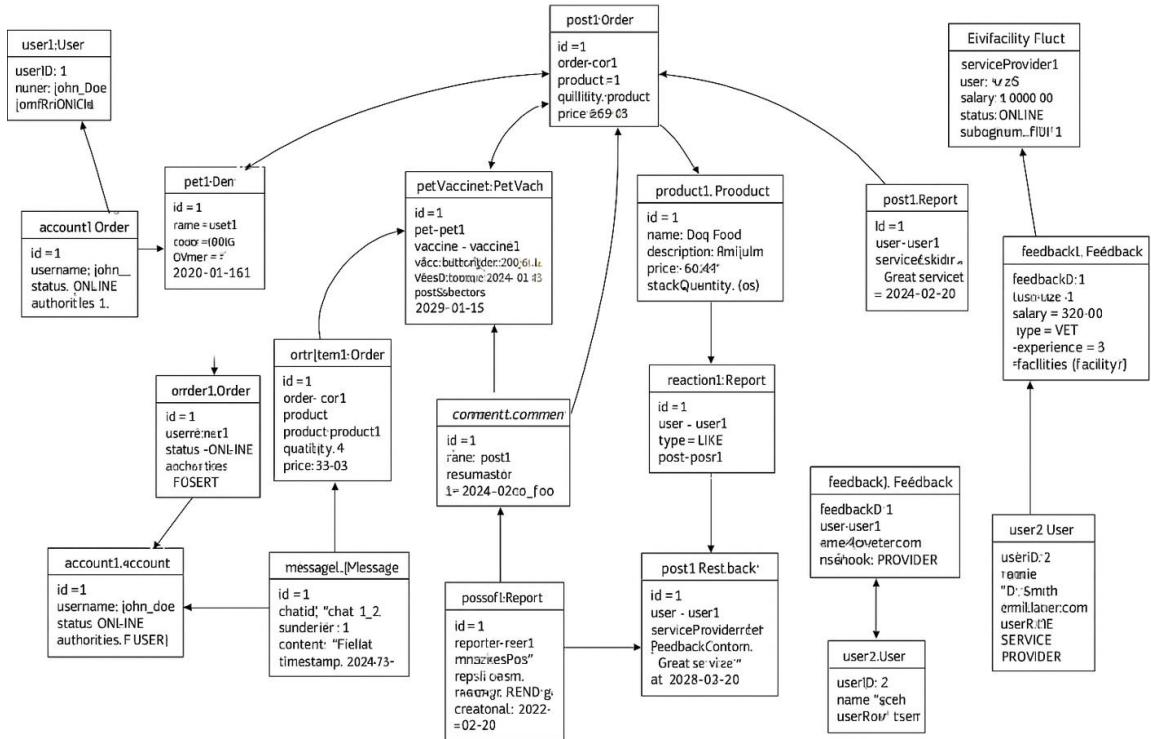


Visual Paradigm
For non-commercial use

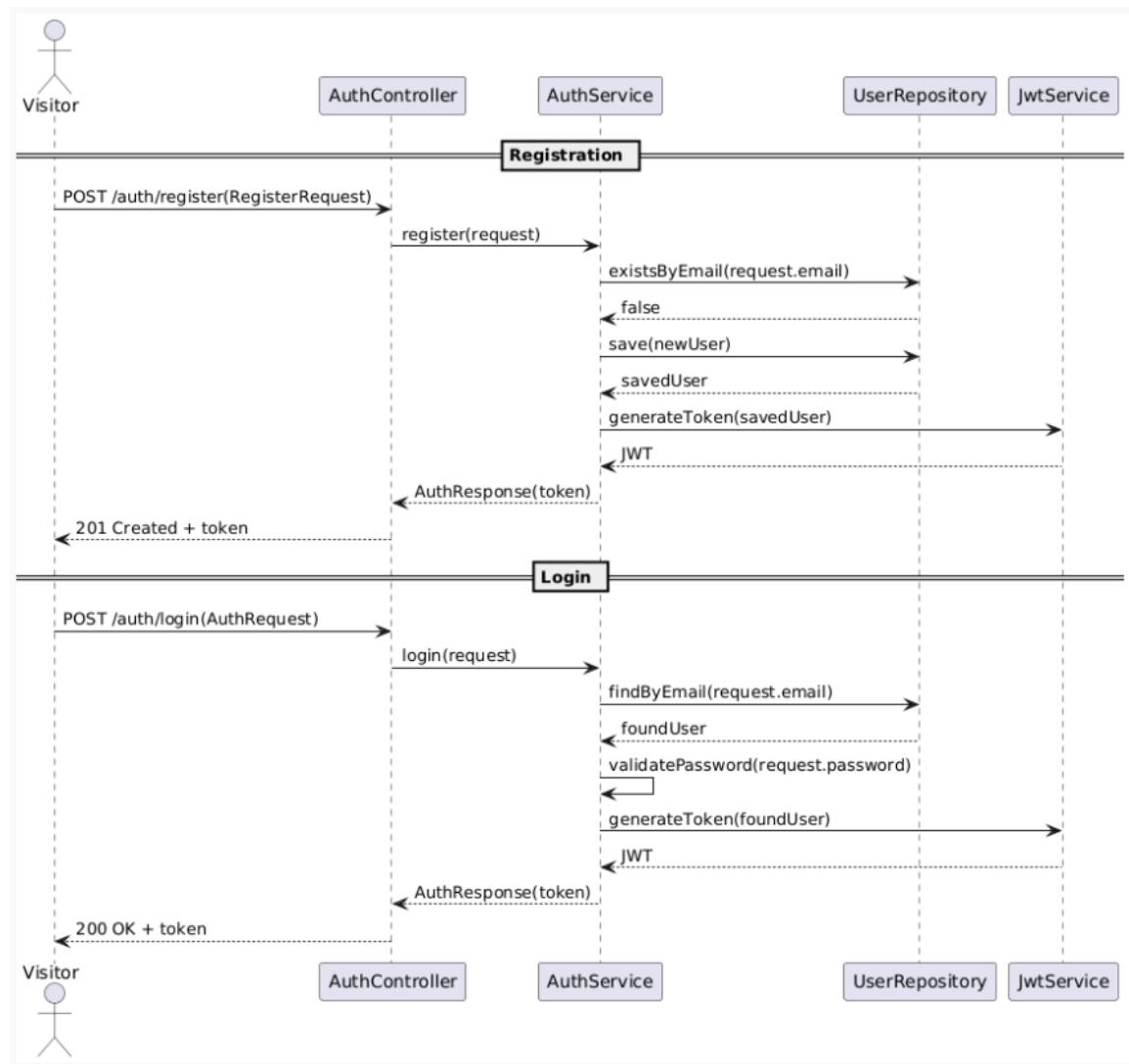
Class Diagrams 4.3

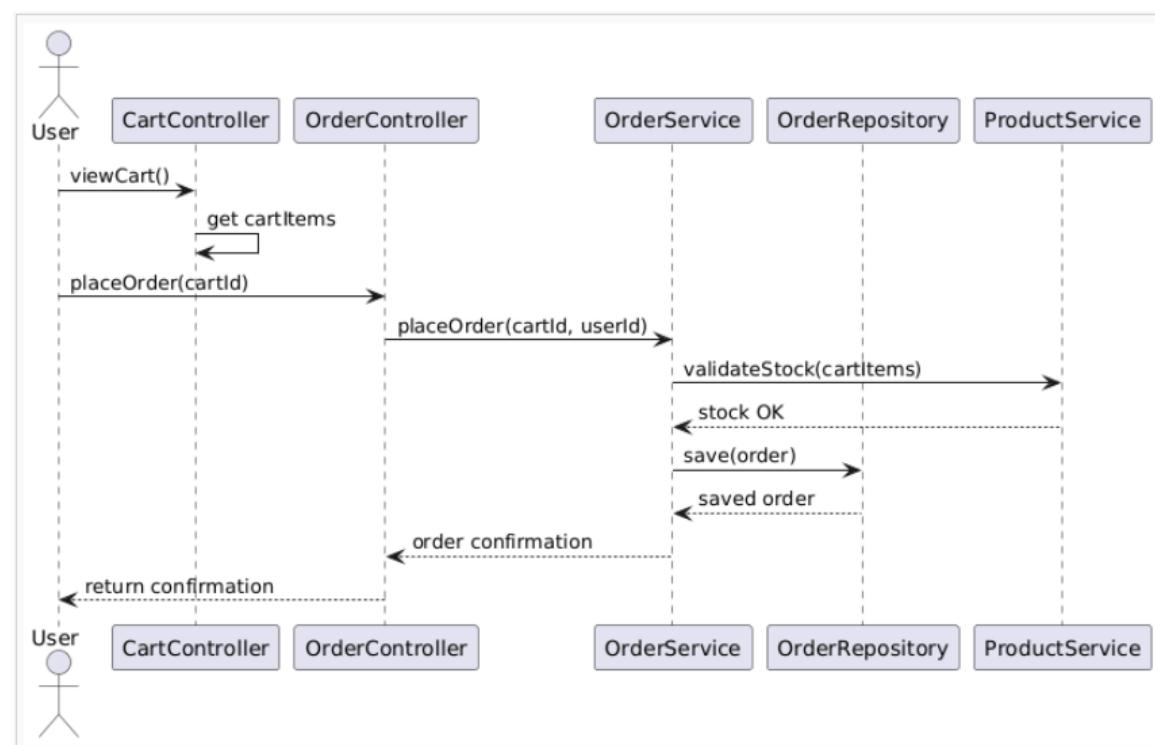
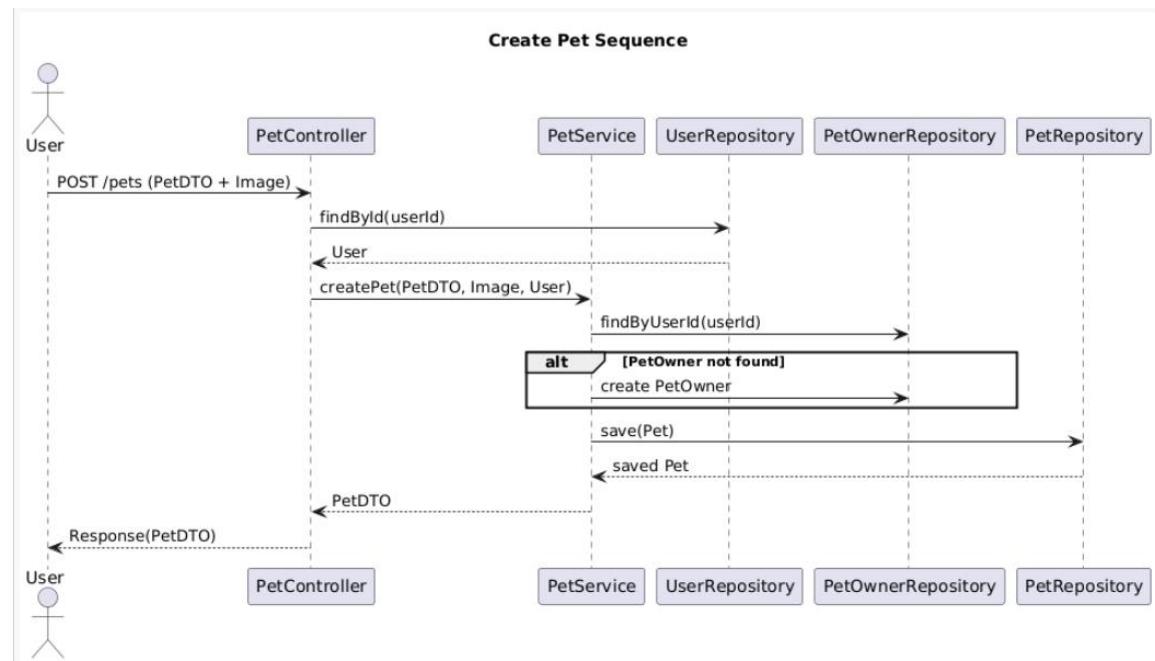


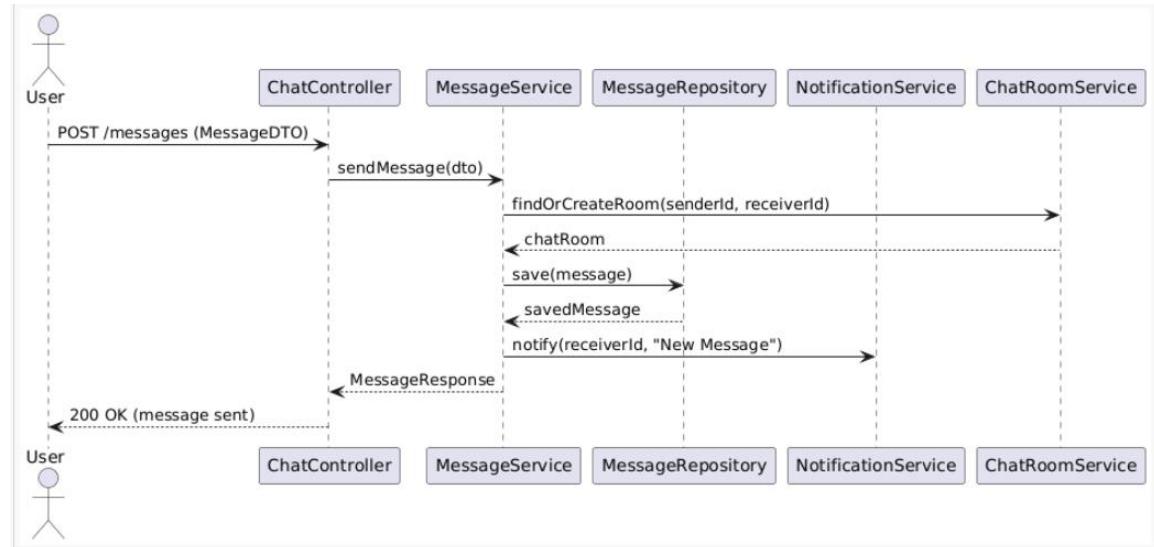
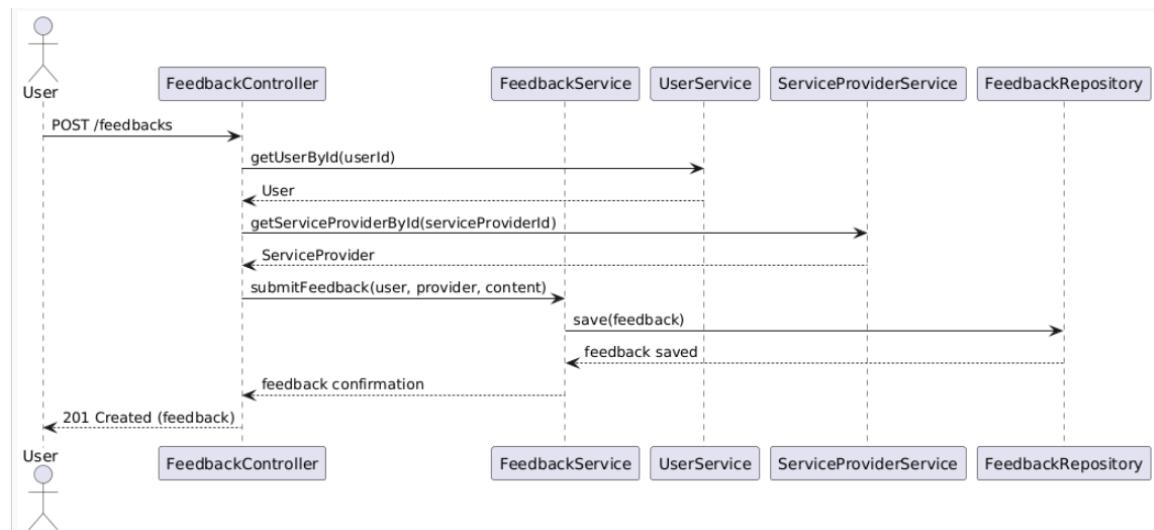
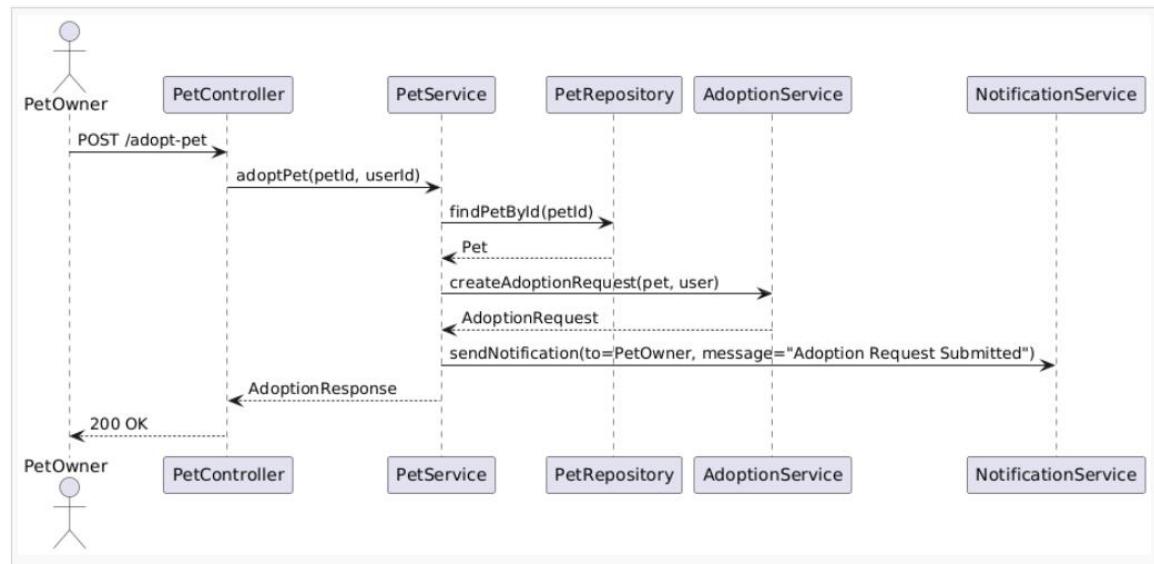
Object Diagrams 4.4

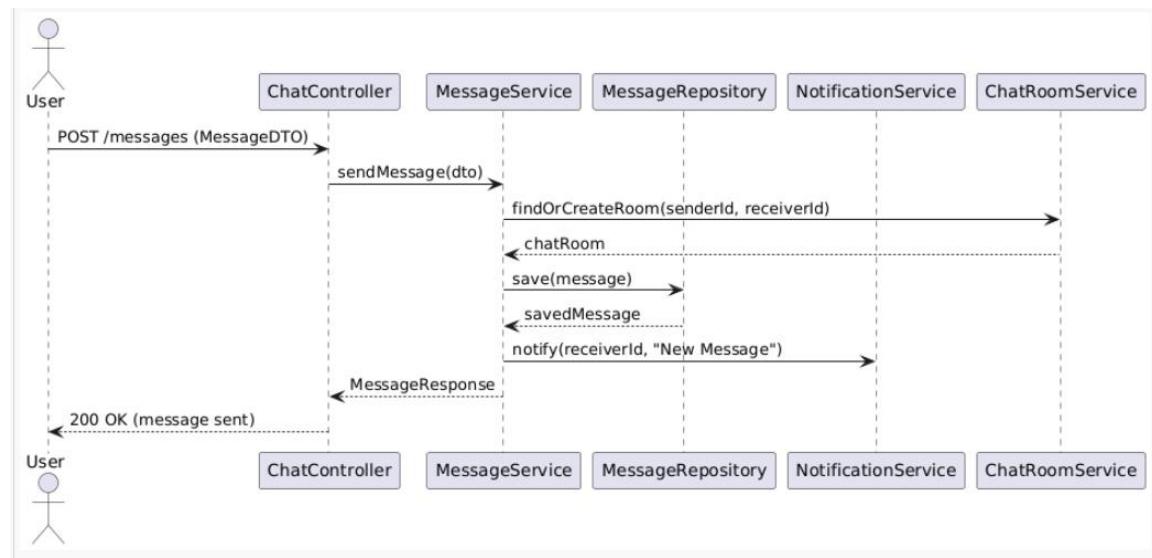


Sequence Diagram 4.4



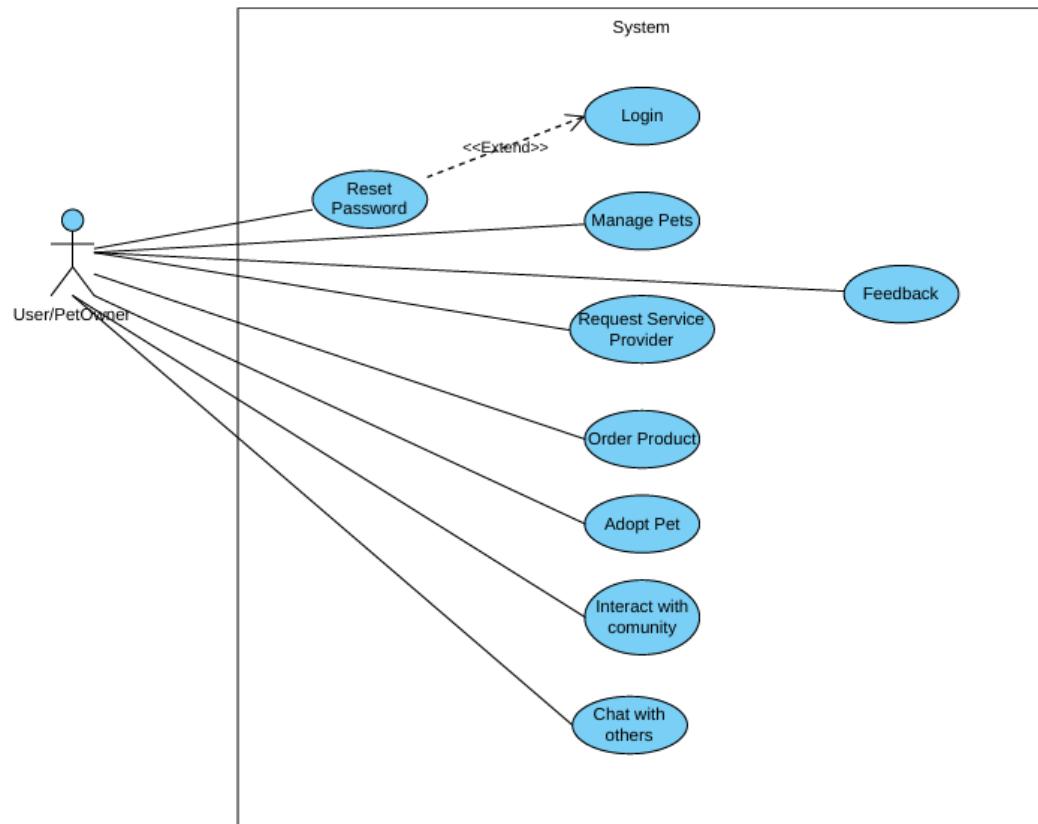




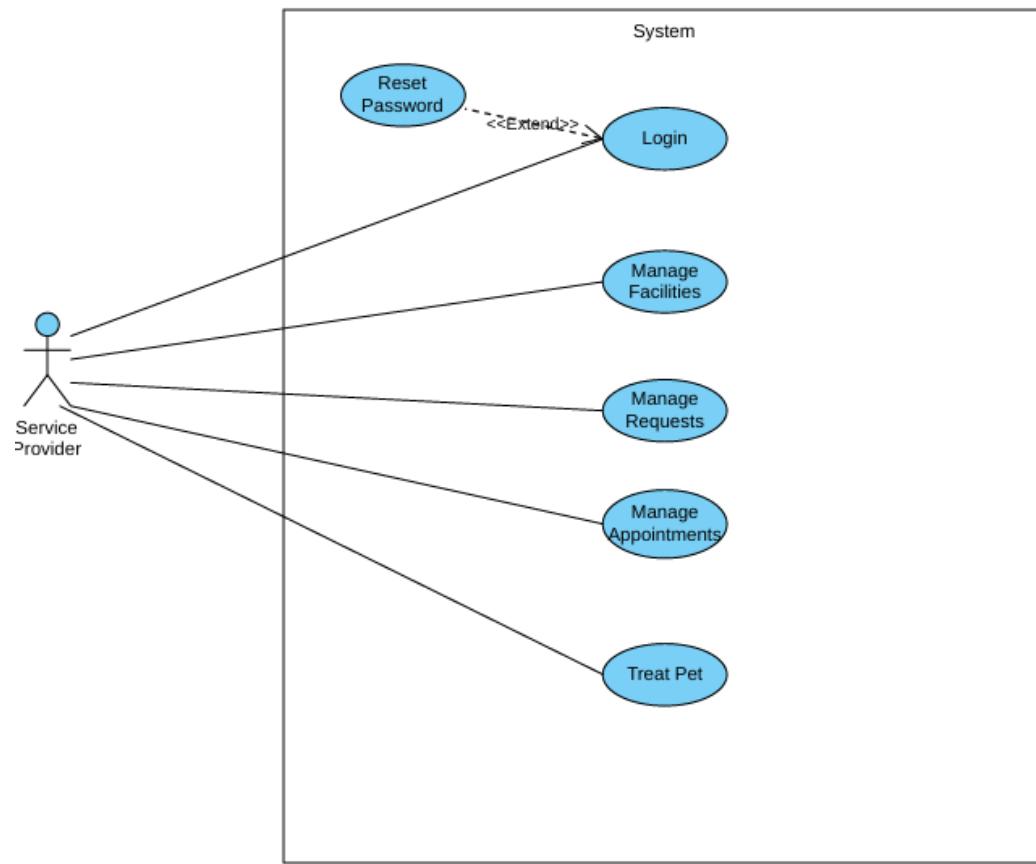


Usecase Diagram 4.5

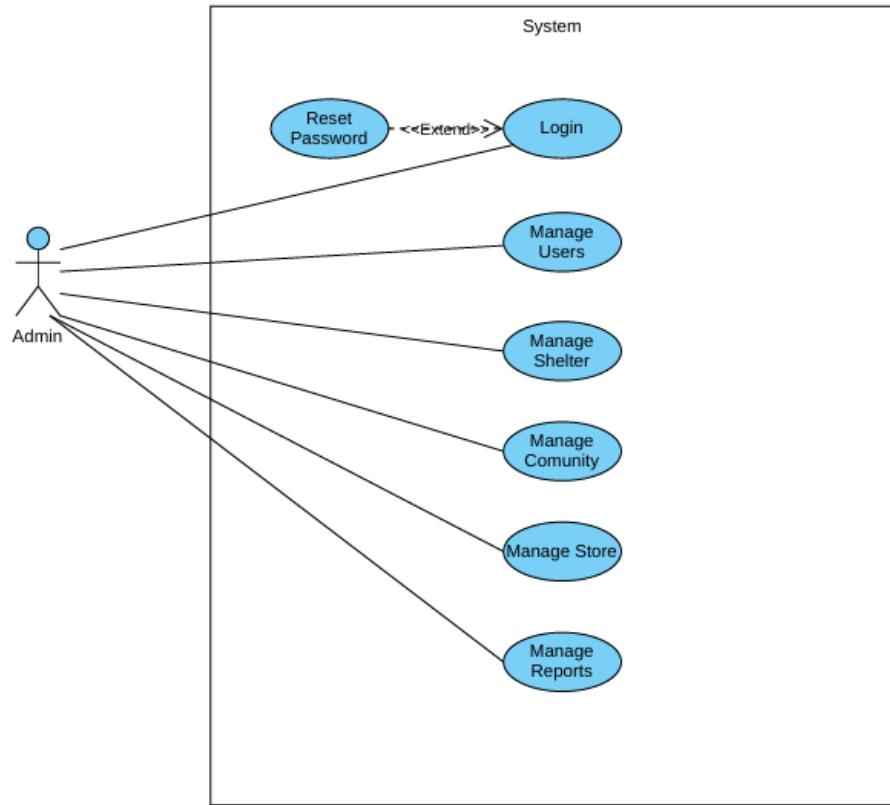
User/PetOwner:



Service Provider:

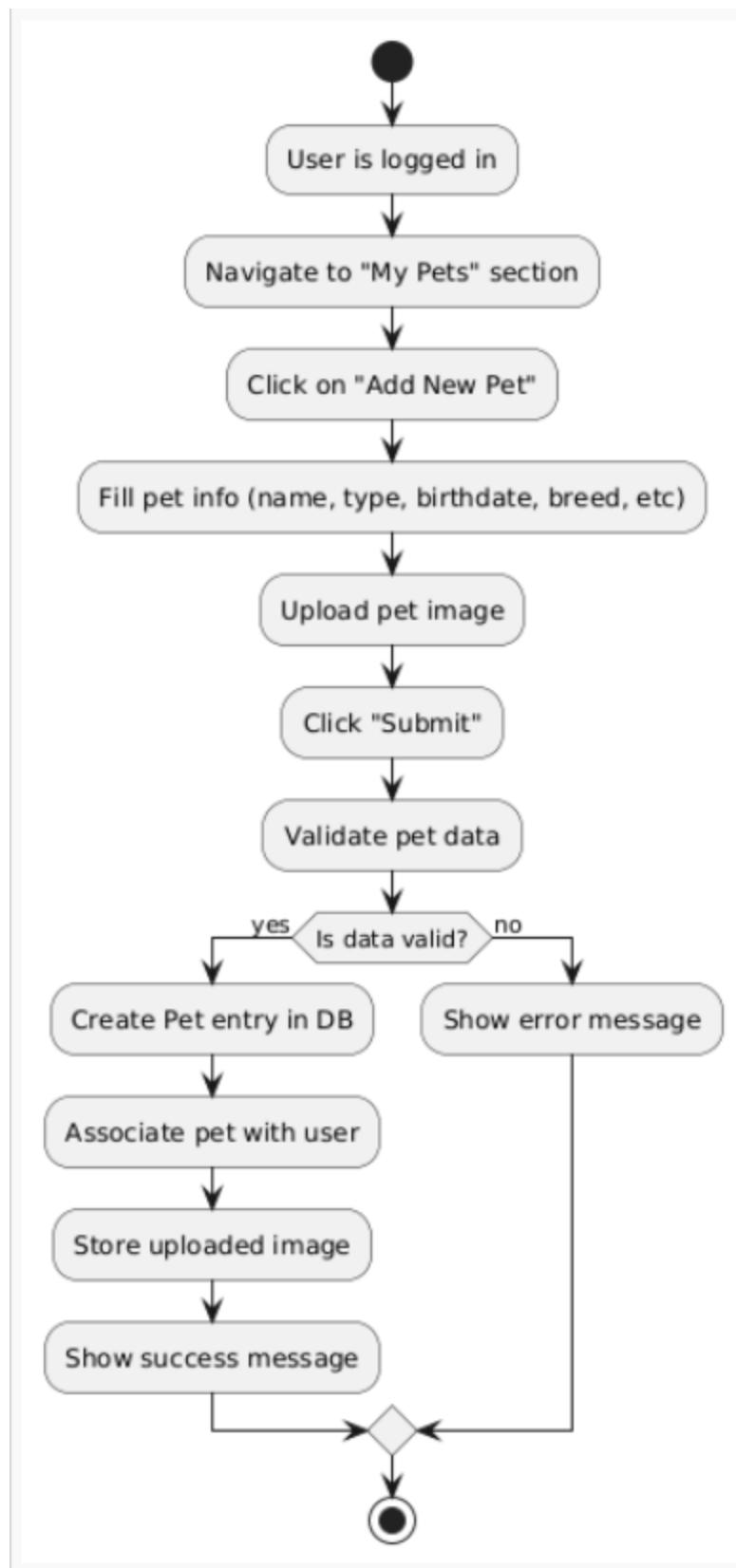


Admin:

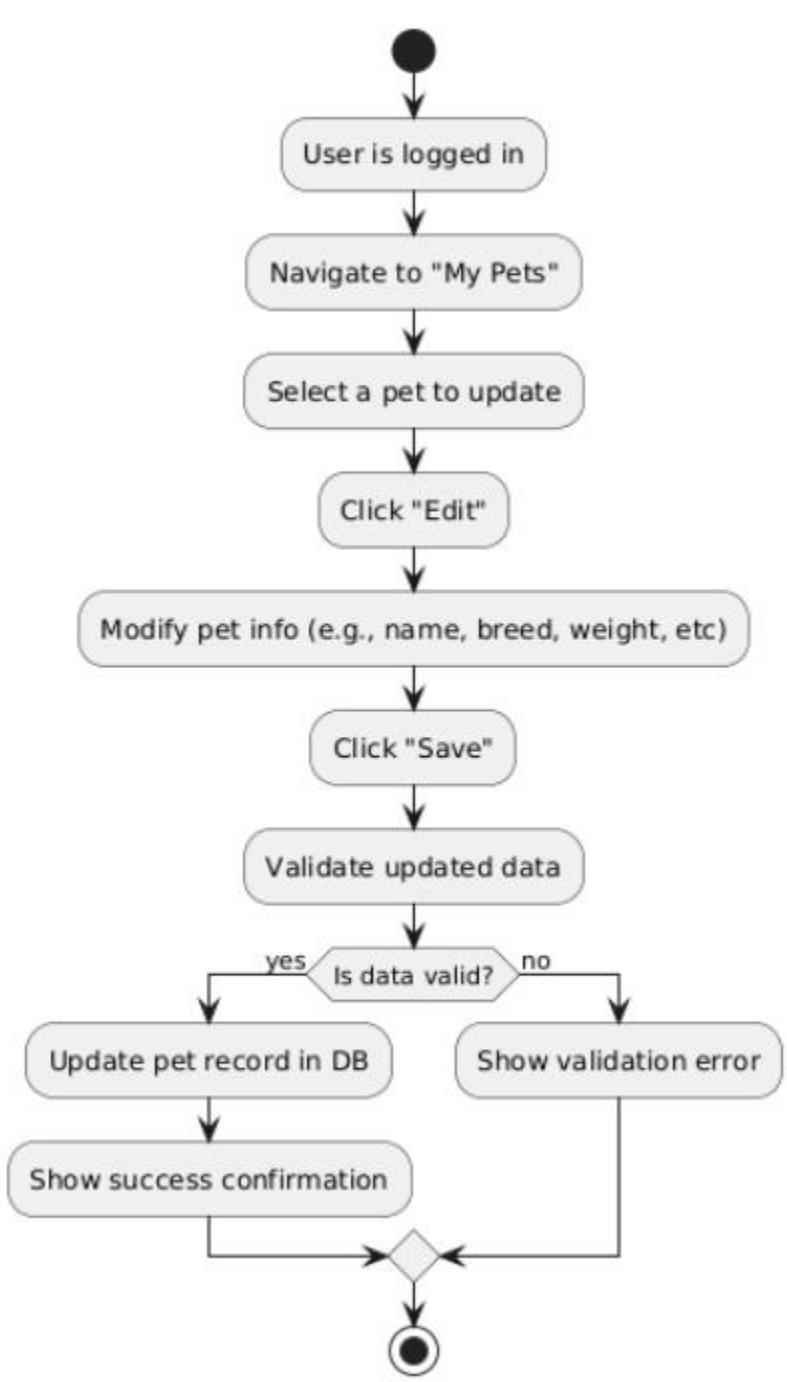


Activity diagram 4.5

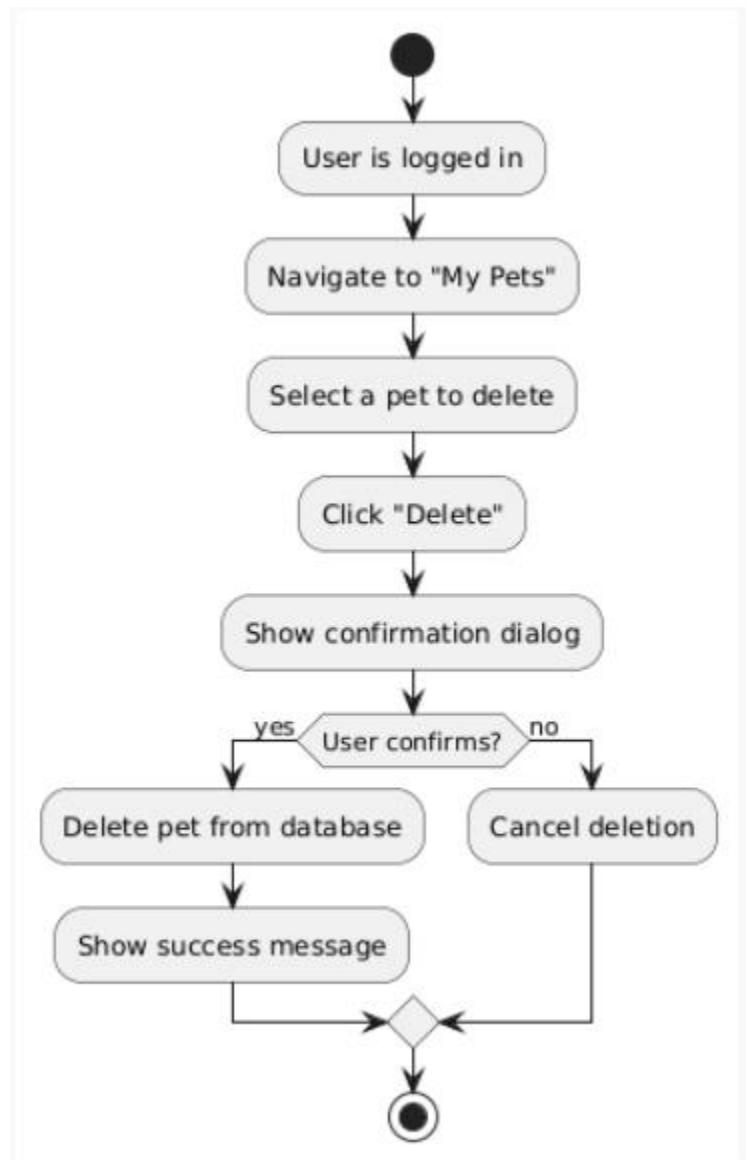
Create New Pet



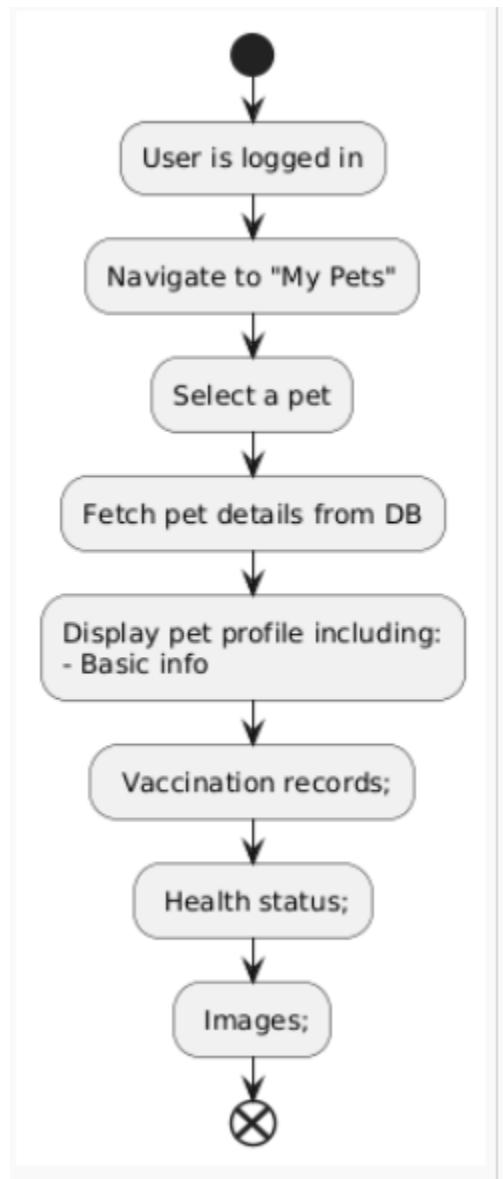
Update Existing Pet



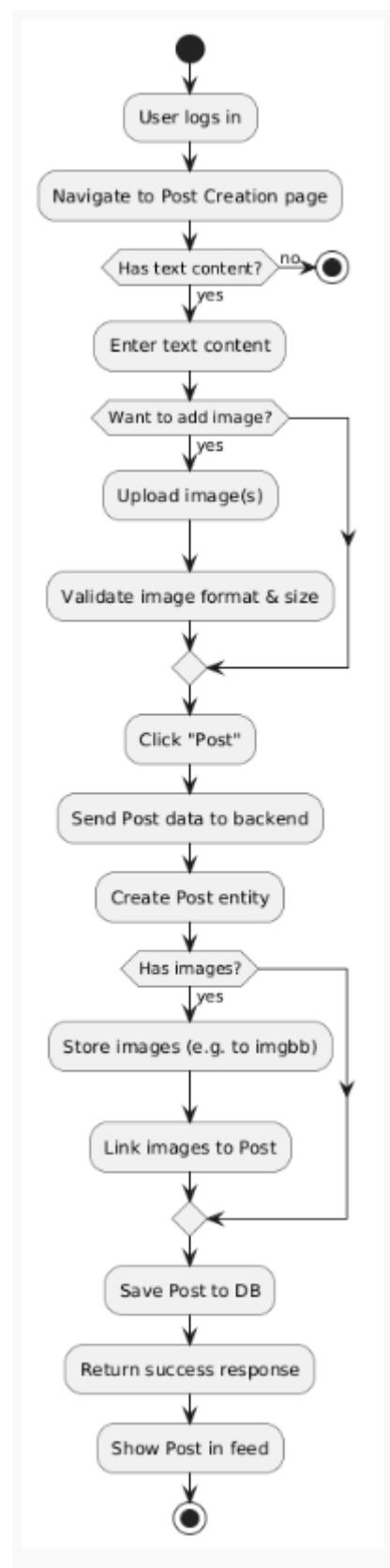
Delete Pet



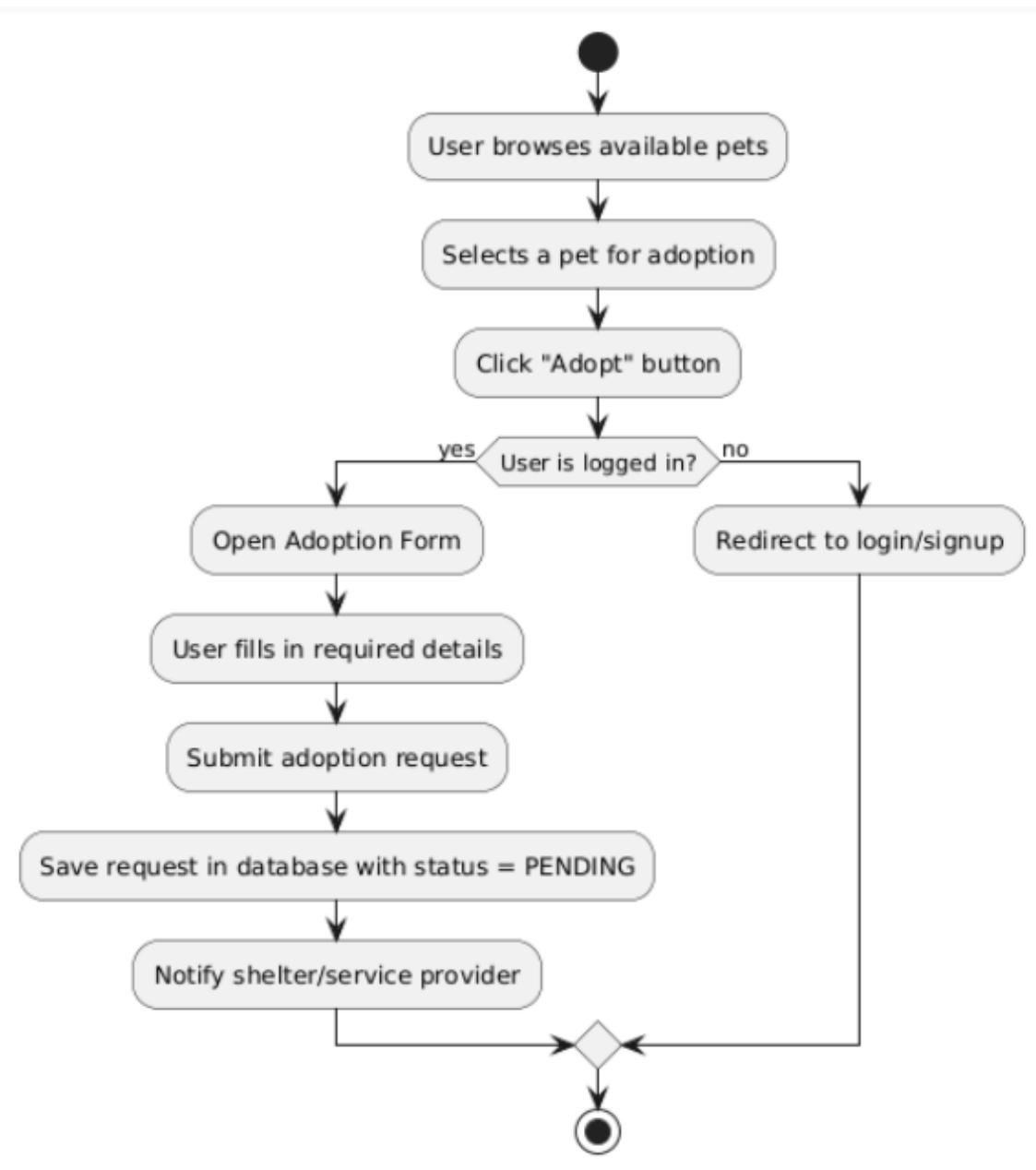
View Pet Profile



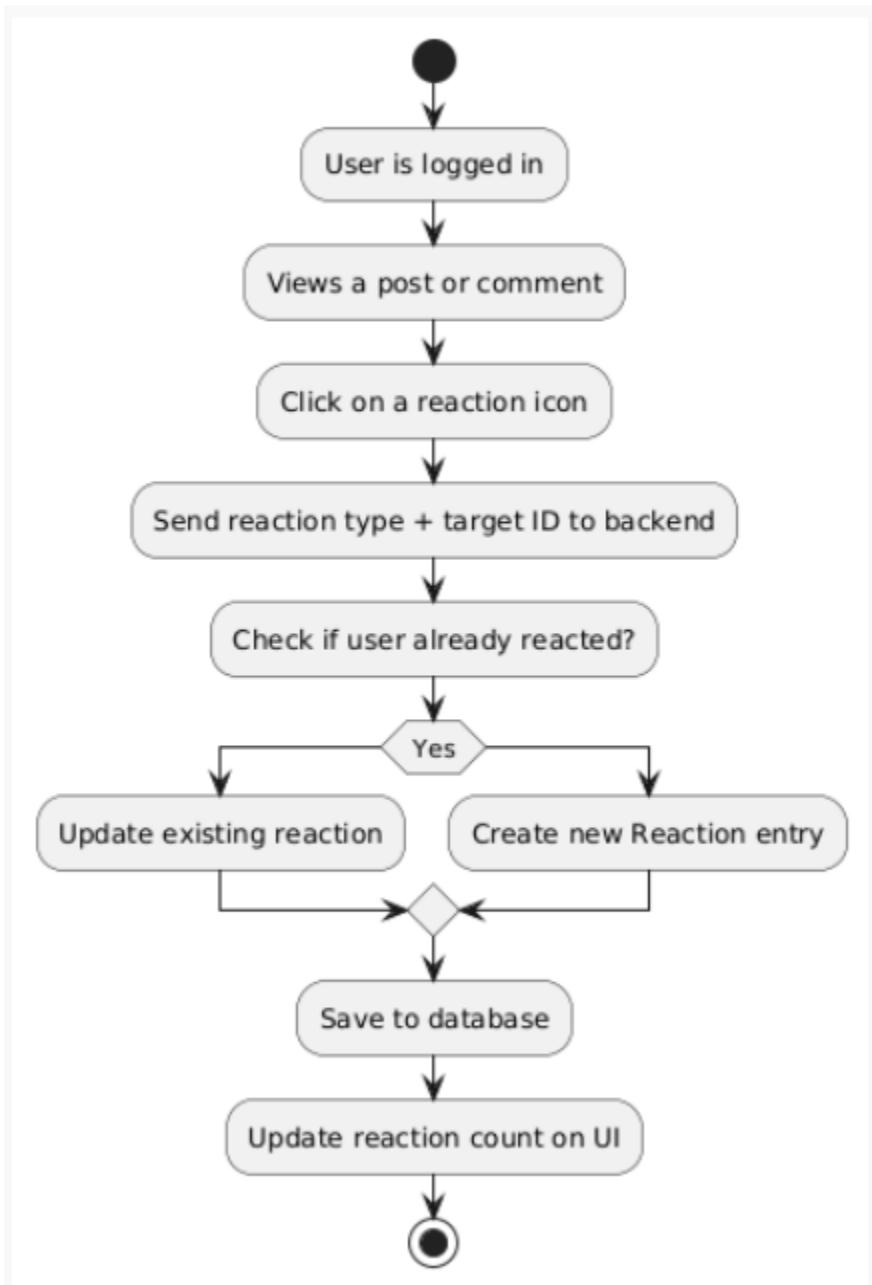
Create a Post



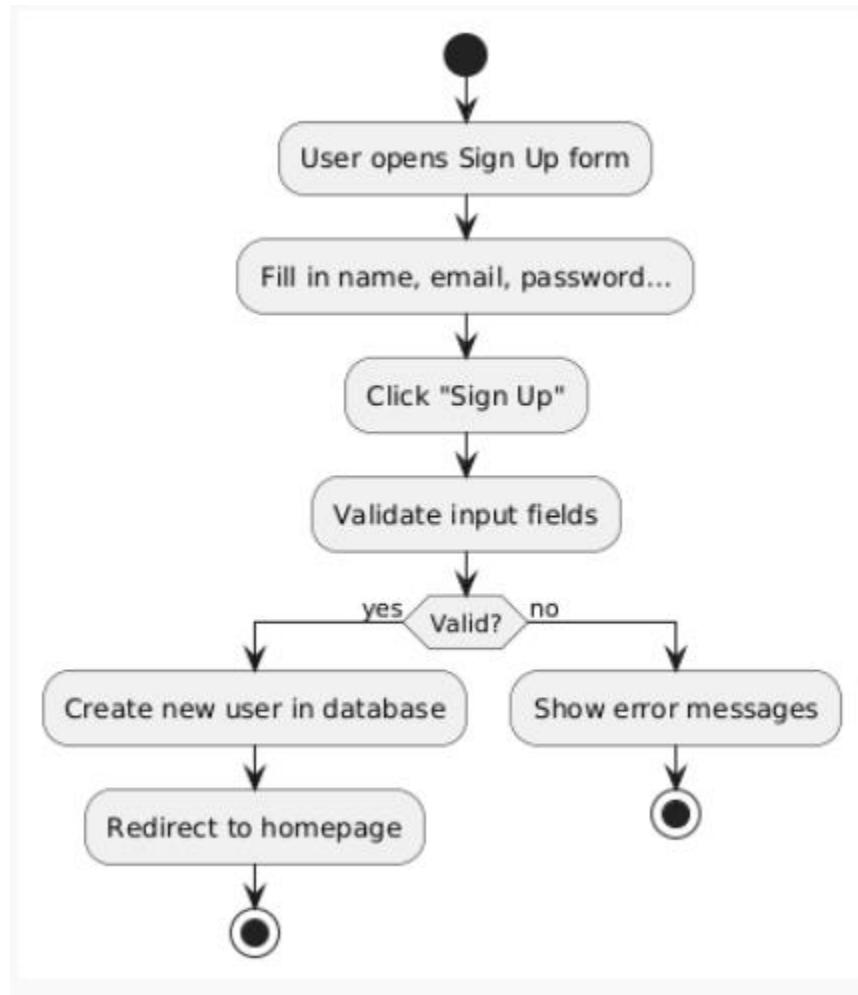
Adoption Activity



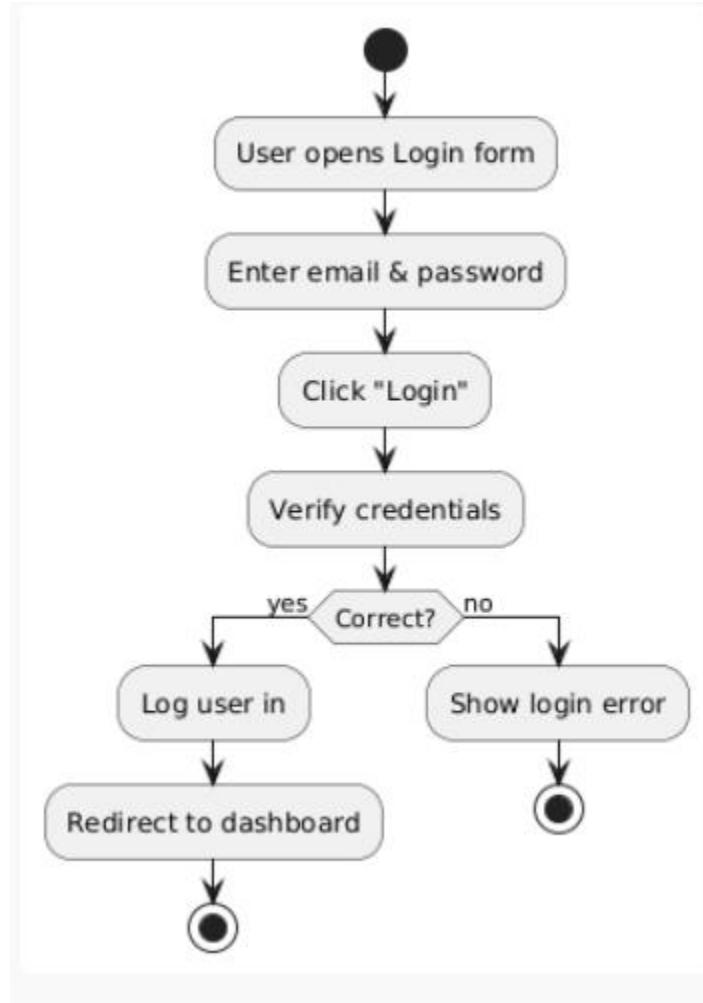
Add reaction



Sign up



Login



Chapter 5:

Implementation

5.1 Description of Implementation

In this subsection, we describe in detail how the main components of **PetCaretoria** were implemented from the backend and frontend perspectives.

The system follows a modular and scalable architecture, relying on Spring Boot for backend logic, React for the frontend interface, MySQL for persistent storage, and WebSockets for real-time communication.

5.1.1 Authentication and Role-Based Access Control (RBAC)

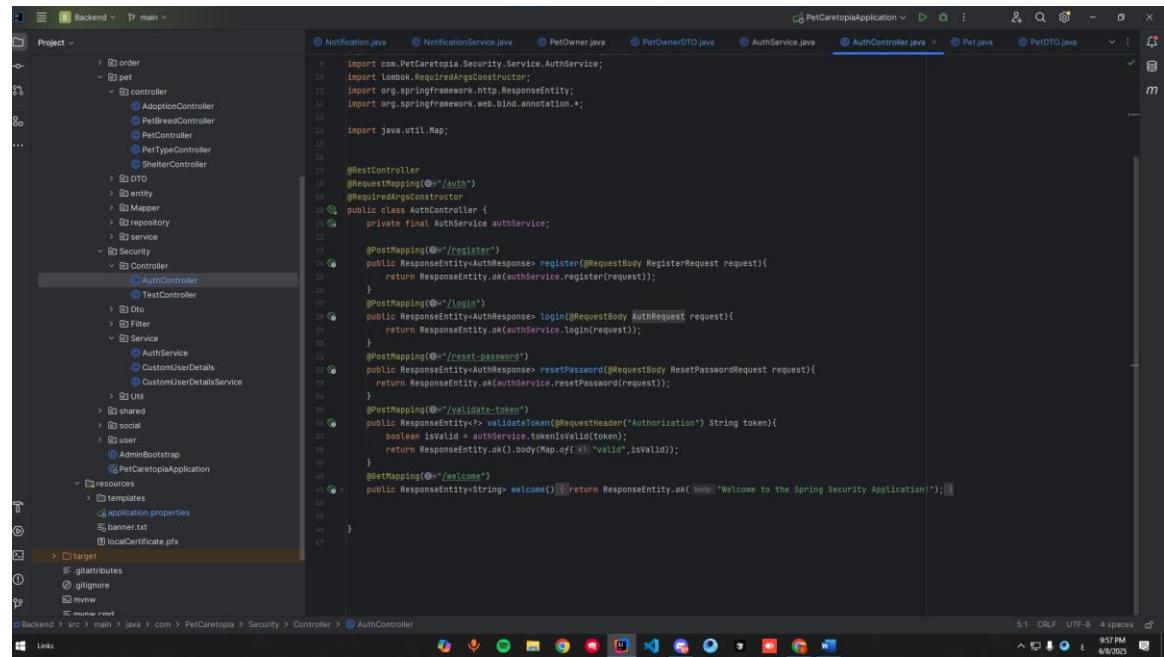
One of the core implementations in **PetCaretoria** is the **Role-Based Access Control** system that manages **what actions each user type can perform** based on their role (e.g., PET_OWNER, SERVICE_PROVIDER, ADMIN, SHELTER).

We implemented this using **Spring Security** along with **JWT tokens** for stateless authentication. Each user, upon registration and login, receives a JWT that encodes their identity and role. This token is used to protect API endpoints and validate access throughout the application.

The following screenshot shows the AuthController, where we handle core authentication endpoints such as:

- /register: Registers a new user with a specified role.

- `/login`: Authenticates a user and returns a JWT token.
- `/reset-password`: Allows password updates.
- `/validate-token`: Validates the JWT to ensure it's still active.
- `/welcome`: Test endpoint to check secured access.



```

Backend > main > java > com > PetCareopia > Security > Controller > AuthController.java

import com.PetCareopia.Security.Service.AuthService;
import org.lombok.RequiredArgsConstructor;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.*;

import java.util.Map;

@RestController
@RequestMapping(value = "/auth")
@RequiredArgsConstructor
public class AuthController {
    private final AuthService authService;

    @PostMapping(value = "/register")
    public ResponseEntity<AuthResponse> register(@RequestBody RegisterRequest request) {
        return ResponseEntity.ok(authService.register(request));
    }

    @PostMapping(value = "/login")
    public ResponseEntity<AuthResponse> login(@RequestBody AuthRequest request) {
        return ResponseEntity.ok(authService.login(request));
    }

    @PostMapping(value = "/reset-password")
    public ResponseEntity<AuthResponse> resetPassword(@RequestBody ResetPasswordRequest request) {
        return ResponseEntity.ok(authService.resetPassword(request));
    }

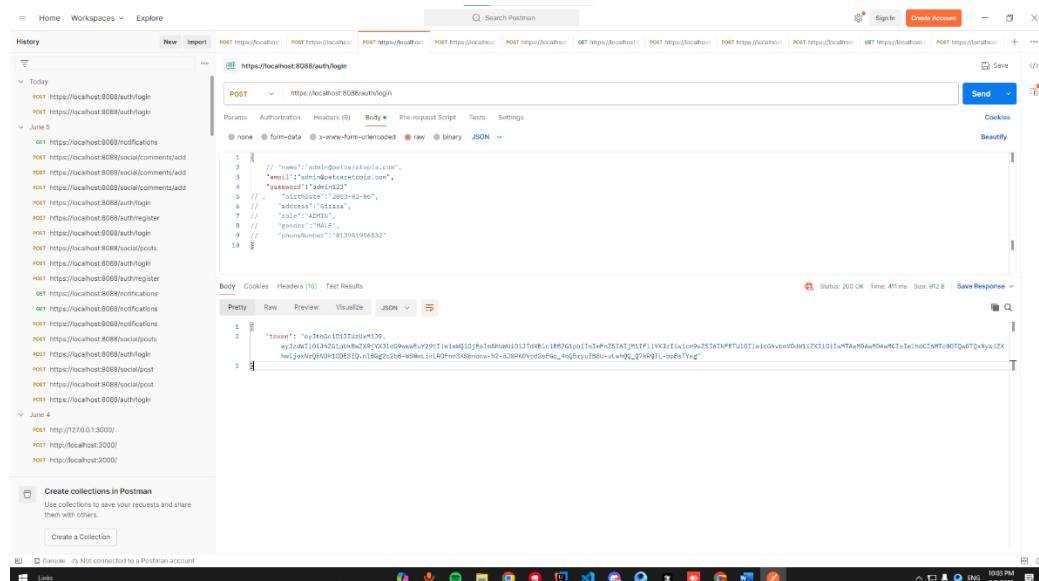
    @PostMapping(value = "/validate-token")
    public ResponseEntity<AuthResponse> validateToken(@RequestHeader("Authorization") String token) {
        boolean isValid = authService.tokenIsValid(token);
        return ResponseEntity.ok(Map.of("isValid", isValid));
    }

    @GetMapping(value = "/welcome")
    public ResponseEntity<String> welcome() {
        return ResponseEntity.ok("Welcome to the Spring Security Application!");
    }
}

```

JWT Token Response

When a user logs in via the `/login` endpoint, a JWT token is returned as shown below. This token is required in the Authorization header for accessing protected routes.



The screenshot shows a Postman collection named "PetCareopia". A POST request is made to `https://localhost:8080/auth/login`. The "Body" tab shows the following JSON payload:

```

{
    "username": "admin@petcareopia.com",
    "password": "Adm1n123"
}

```

The "Headers" tab includes the "Content-Type" header set to "application/json". The "JSON" tab shows the response body:

```

{
    "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJsb2dpbiIsImlhdCI6MTYxNjQyOTMwMSwiZXhwIjoxNjA2MDk4ODI4fQ.1BqgZP2dW-w8MElJcLRPmS58nmcA-h2-S3P4W0V0cf2f4e_AgQByrj860-LuLhQ_274qTl-n88eTyg"
}

```

Role & Permission Structure

Each user has a defined role in the system.

We store this relationship in a **many-to-many mapping** between User and Role entities using JPA.

In the **User.java** entity class, we defined multiple enumerated roles including ADMIN, SERVICE_PROVIDER, PET_OWNER, and USER.

These roles are mapped into authorities using Spring Security's **GrantedAuthority** interface through the **getAuthorities()** method.

This allows the application to dynamically determine access rights for each user at runtime. The structure is modular and ready to be extended with more roles or permissions if needed.

Additional enums such as Gender and Status provide more metadata for user management.

The screenshot below illustrates this implementation:

The screenshot shows an IDE interface with the following details:

- Project Structure:** The project is named "Backend". The "User" entity is selected in the tree view. The code editor shows the **User.java** file with annotations for many-to-many relationships and an enum for roles.
- User.java Code Snippet:**

```
public class User implements UserDetails {
    @OneToOne(mappedBy = "user", cascade = CascadeType.ALL, orphanRemoval = true)
    @JsonIgnore
    private List orders;

    @OneToOne(mappedBy = "user", cascade = CascadeType.ALL, orphanRemoval = true)
    @JsonIgnore
    private Cart cart;

    public enum Role {
        ADMIN, SERVICE_PROVIDER, PET_OWNER, USER
    }

    public enum Gender {
        MALE, FEMALE, OTHER
    }

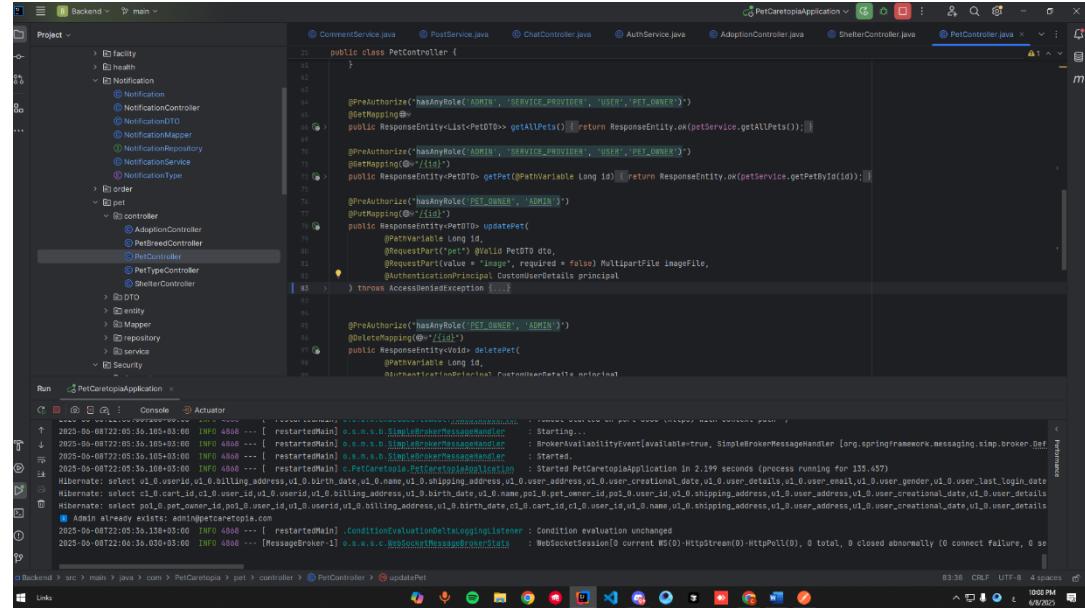
    public enum Status {
        ACTIVE, INACTIVE, BANNED
    }

    @Override
    public Collection<GrantedAuthority> getAuthorities() {
        return Collections.singletonList(new SimpleGrantedAuthority("ROLE_" + userRole.name()));
    }
}
```
- Terminal Output:** The terminal shows application logs and Hibernate SQL queries. Key logs include:
 - INFO 4680 --- [nio-8088-exec-5] o.a.c.c.C.[Tomcat].[localhost]./: Initializing Spring DispatcherServlet 'dispatcherServlet'
 - INFO 4680 --- [nio-8088-exec-5] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
 - INFO 4680 --- [nio-8088-exec-5] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
 - Hibernate: select u1_0.user_id,u1_0.billing_address,u1_0.birth_date,u1_0.name,u1_0.shipping_address,u1_0.user_creation_date,u1_0.user_details,u1_0.user_email,u1_0.user_gender,u1_0.user_last_login_date from user u1_0 where u1_0.id = ?
 - Hibernate: select c1_0.cart_id,c1_0.user_id,u1_0.user_id,u1_0.billing_address,u1_0.birth_date,u1_0.name,pol_0.pet_owner_id,pol_0.user_id,u1_0.shipping_address,u1_0.user_address,u1_0.user_creation_date,u1_0.user_details from cart c1_0,pet_owner pol_0,user u1_0 where c1_0.user_id=u1_0.id and pol_0.user_id=u1_0.id
 - Hibernate: select pol_0.pet_owner_id,pol_0.user_id,u1_0.user_id,u1_0.billing_address,u1_0.birth_date,c1_0.user_id,u1_0.name,u1_0.shipping_address,u1_0.user_address,u1_0.user_creation_date,u1_0.user_details from pet_owner pol_0,user u1_0 where pol_0.user_id=u1_0.id
 - Hibernate: update users set billing_address=?,birth_date=?,name=?,shipping_address=?,user_address=?,user_creation_date=?,user_details=?,user_email=?,user_gender=?,user_last_login_date=?,user_password=?,user_phone_number=? where id=?
- Bottom Bar:** Shows the Windows taskbar with various application icons.

Spring Security Configuration

To restrict access based on user roles, we define secured endpoints using either:

- `@PreAuthorize("hasRole('ADMIN')")` on controller methods



The screenshot shows the `PetController.java` file in an IDE. It contains several `@PreAuthorize` annotations on various methods to restrict access based on user roles. The code includes methods for getting all pets, updating a pet, deleting a pet, and getting a pet by ID. The `@PreAuthorize` annotations are used to ensure that only users with specific roles (e.g., 'ADMIN', 'PET_OWNER', 'USER') can perform these actions.

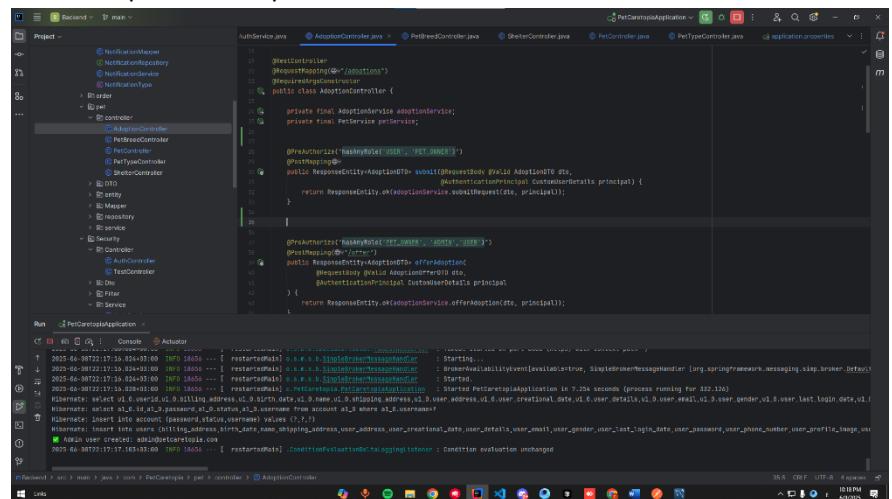
```
public class PetController {  
    ...  
  
    @PreAuthorize("hasAnyRole('ADMIN', 'SERVICE_PROVIDER', 'USER', 'PET_OWNER')")  
    @GetMapping()  
    public ResponseEntity<List<PetDTO>> getAllPets() { return ResponseEntity.ok(petService.getAllPets()); }  
  
    @PreAuthorize("hasAnyRole('ADMIN', 'SERVICE_PROVIDER', 'USER', 'PET_OWNER')")  
    @DeleteMapping("/{id}")  
    public ResponseEntity<PetDTO> getPet(@PathVariable Long id) { return ResponseEntity.ok(petService.getPetById(id)); }  
  
    @PreAuthorize("hasAnyRole('PET_OWNER', 'ADMIN')")  
    @PutMapping("/{id}")  
    public ResponseEntity<PetDTO> updatePet(@PathVariable Long id, @RequestWrapper PetDTO dto,  
                                            @RequestParam("image") MultipartFile imageFile,  
                                            @AuthenticationPrincipal CustomUserDetails principal)  
        throws AccessDeniedException { ... }  
  
    @PreAuthorize("hasAnyRole('PET_OWNER', 'ADMIN')")  
    @DeleteMapping("/{id}")  
    public ResponseEntity<Void> deletePet(@PathVariable Long id,  
                                         @AuthenticationPrincipal CustomUserDetails principal)  
        throws AccessDeniedException { ... }  
  
    ...  
}
```

Adoption Module – Submit Request

This endpoint allows a USER or PET_OWNER to submit a request to adopt a pet.

- **Endpoint:** POST /adoptions
- **Roles Allowed:** USER, PET_OWNER
- **Description:**

The user provides the pet ID and their details in the request body. The system registers the request and links it to both the pet and adopter.



The screenshot shows the `AdoptionController.java` file in an IDE. It contains a single method `offerAdoption` annotated with `@PreAuthorize("hasAnyRole('PET_OWNER', 'USER')")`. This method handles adoption requests from both PET OWNERS and USERS. The code uses `@RequestBody` to get the request body and `@AuthenticationPrincipal` to get the current user's details for authentication.

```
public class AdoptionController {  
    ...  
  
    @PostMapping("offerAdoption")  
    @PreAuthorize("hasAnyRole('PET_OWNER', 'USER')")  
    public ResponseEntity<AdoptionDTO> offerAdoption(@RequestBody AdoptionDTO dto,  
                                                    @AuthenticationPrincipal CustomUserDetails principal) {  
        return ResponseEntity.ok(adopterService.offerAdoption(dto, principal));  
    }  
  
    ...  
}
```

```

    public class AdoptionService {
        @Transactional
        public AdoptionDTO submitRequest(AdoptionDTO dto, CustomUserDetails principal) {
            Pet pet = petRepository.findById(dto.getPetId())
                .orElseThrow(() -> new EntityNotFoundException("Pet not found with ID: " + dto.getPetId()));

            if (pet.getOwner() != null && pet.getOwner().getUserId().equals(principal.getUserId())) {
                throw new IllegalArgumentException("You cannot adopt your own pet.");
            }

            User user = userRepository.findById(principal.getUserId())
                .orElseThrow(() -> new EntityNotFoundException("User not found"));
            dto.setRequesterUserId(principal.getUserId());
            Adoption adoption = AdoptionMapper.toEntity(dto, pet, user, null, null);
            adoption.setStatus(AdoptionStatus.PENDING);
            adoption.setAdoptionDate(dto.getAdoptionDate() != null ? dto.getAdoptionDate() : LocalDate.now());
            adoption.setCreatedDate(LocalDateTime.now());
            adoption.setRequesterUserId(principal.getUserId());
            if (pet.getShelter() != null) {
                adoption.setShelter(pet.getShelter());
            }
            return AdoptionMapper.toDTO(adoptionRepository.save(adoption));
        }

        public List<AdoptionDTO> getByPetId(Long petId) {
    
```

Run: PetCaretopiaApplication

Powered by Spring Boot 3.3.0

2025-06-08T22:18:20.753+03:00 INFO 18656 --- [restartedMain] c.PetCaretopia.PetCaretopiaApplication : Starting PetCaretopiaApplication using Java 22.0.2 with PID 18656 (D:\V2\push\Pet_caretopia\Pet_caretopia\Backend\tar)

2025-06-08T22:18:20.753+03:00 INFO 18656 --- [restartedMain] c.PetCaretopia.PetCaretopiaApplication : No active profile set, falling back to 1 default profile: 'default'

Backend > src > main > java > com > PetCaretopia > pet > service > AdoptionService > submitRequest

Offer Pet for Adoption

This API is used by pet owners to offer their pets for adoption.

- Endpoint:** POST /adoptions/offer
- Roles Allowed:** PET_OWNER, ADMIN
- Description:**

The pet owner specifies the pet ID and conditions. The pet's status is updated to "Available for Adoption".

```

    public class AdoptionController {
        @PreAuthorize("hasAnyRole('PET_OWNER', 'ADMIN', 'USER')")
        @PostMapping("/offer")
        public ResponseEntity<AdoptionDTO> offerAdoption(
            @RequestWrapper Valid AdoptionDTO dto,
            @AuthenticationPrincipal CustomUserDetails principal
        ) {
            return ResponseEntity.ok(AdoptionService.offerAdoption(dto, principal));
        }

        @PreAuthorize("hasAnyRole('ADMIN')")
        @GetMapping(@Path("pet/{petId}"))
        public ResponseEntity<List<AdoptionDTO>> getAll() {
            return ResponseEntity.ok(AdoptionService.getAll());
        }

        @PreAuthorize("hasAnyRole('ADMIN', 'PET_OWNER')")
        @GetMapping(@Path("pet/{petId}"))
        public ResponseEntity<List<AdoptionDTO>> getPet(@PathVariable Long petId) {
            return ResponseEntity.ok(AdoptionService.getByPetId(petId));
        }
    }

```

Run: PetCaretopiaApplication

Powered by Spring Boot 3.3.0

2025-06-08T22:18:42.385+03:00 INFO 18656 --- [restartedMain] o.s.m.s.b.SimpleBrokerMessageHandler : Starting...

2025-06-08T22:18:42.385+03:00 INFO 18656 --- [restartedMain] o.s.m.s.b.SimpleBrokerMessageHandler : BrokerAvailabilityEvent[available=true, SimpleBrokerMessageHandler [org.springframework.messaging.simp.broker.DefaultBrokerAvailabilityEvent@12345678901234567890]]

2025-06-08T22:18:42.385+03:00 INFO 18656 --- [restartedMain] c.PetCaretopia.PetCaretopiaApplication : Started PetCaretopiaApplication in 0.796 seconds (process running for 418486)

Hibernate: select a_0 from user a_0 left outer join billing_address a_1 on a_0.user_id=a_1.user_id left outer join ui_0 on a_0.status=a_1_0.status left outer join ui_0.user_name,a_1_0.shipping_address,a_1_0.user_address,a_1_0.user_email,a_1_0.user_creation_date,a_1_0.user_details,a_1_0.user_email,a_1_0.user_gender,a_1_0.user_last_login_date,a_1_0.user_password,a_1_0.user_profile_image,a_1_0.user_status where a_1_0 where a_1_0.user_name?

Hibernate: insert into account (password, status, account_name) values (?,?)

Hibernate: insert into users (billing_address, birth_date, name, shipping_address, user_address, user_email, user_creation_date, user_details, user_email, user_gender, user_last_login_date, user_password, user_phone_number, user_profile_image, user_status) values (?,?,?,?,?,?,?,?,?,?,?,?,?,?)

Admin user created: admin@petcaretopia.com

2025-06-08T22:18:45.515+03:00 INFO 18656 --- [restartedMain] ConditionEvaluationDeltaLoggingListener : Condition evaluation unchanged

```

public class AdoptionService {
    ...
    public AdoptionDTO offerAdoption(AdoptionOfferDTO dto, CustomUserDetails principal) {
        Pet pet = petRepository.findById(dto.getPetId());
        if (pet.getOwner() == null || !pet.getOwner().getUserId().equals(principal.getUserId())) {
            throw new AccessDeniedException("You can only offer adoption for your own pets.");
        }
        User targetUser = userRepository.findById(dto.getTargetUserId());
        if (targetUser == null) {
            throw new EntityNotFoundException("Target user not found");
        }
        Adoption adoption = new Adoption();
        adoption.setPet(pet);
        adoption.setRequesterUserId(principal.getUserId());
        adoption.setCreatedDate(LocalDate.now());
        adoption.setAdoptionDate(LocalDate.now());
        adoption.setCreatedDateTime(LocalDateTime.now());
        adoption.setStatus(AdoptionStatus.PENDING);
        return AdoptionMapper.toDTO(adoptionRepository.save(adoption));
    }
}

```

Log output:

```

2025-04-08T22:19:42.385+03:00 INFO 18656 --- [ restartedMain] o.s.m.s.b.SimpleBrokerMessageHandler : BrokerAvailabilityEvent[available=true, SimpleBrokerMessageHandler [org.springframework.messaging.simp.broker.DefaultBrokerAvailabilityEvent@18656]]
2025-04-08T22:19:42.385+03:00 INFO 18656 --- [ restartedMain] o.s.m.s.b.SimpleBrokerMessageHandler : Started.
2025-04-08T22:19:42.385+03:00 INFO 18656 --- [ restartedMain] o.s.w.s.c.WebSocketMessageBrokerStats : started PetCaretopiaApplication in 6.796 seconds (process running for 418.486)
Hibernate: select v1_0.user_id, v1_0.billing_address, v1_0.birth_date, v1_0.name, v1_0.shipping_address, v1_0.user_address, v1_0.user_creation_date, v1_0.user_details, v1_0.user_email, v1_0.user_gender, v1_0.user_last_login_date, v1_0.user_password, v1_0.status, v1_0.username from account_v1_0 where v1_0.username?
Hibernate: insert into account (password, status, username) values (?,?)
Hibernate: insert into users (billing_address, birth_date, name, shipping_address, user_address, user_creation_date, user_details, user_email, user_gender, user_last_login_date, user_password, user_phone_number, user_profile_image, user_username) values (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)
2025-04-08T22:19:43.516+03:00 INFO 18656 --- [ restartedMain] ConditionEvaluationOnRetimeLoggingListener : Condition evaluation unchanged
2025-04-08T22:19:42.322+03:00 INFO 18656 --- [MessageBroker-1] o.s.w.s.c.WebSocketMessageBrokerStats : WebSocketSession[0 current #S(0)-HttpStream(0)-HttpPoll(0), 0 total, 0 closed abnormally (0 connect failure, 0 send 1

```

Approve/Reject Adoption Request

Used by shelter admins or pet owners to **approve or reject** adoption requests.

- **Endpoints:**
 - PUT /adooptions/{id}/approve
 - PUT /adooptions/{id}/reject
- **Roles Allowed:** ADMIN, PET_OWNER
- **Description:**

This marks the request as approved or rejected. Once approved, the pet becomes unavailable for further adoption.

```

@PreAuthorize("hasAnyRole('ADMIN', 'PET_OWNER')")
@PutMapping("/{id}/approve")
public ResponseEntity<AdoptionDTO> approve(@PathVariable Long id,
                                             @AuthenticationPrincipal CustomUserDetails principal) {
    return ResponseEntity.ok(adoptionService.approve(id, principal));
}

@PreAuthorize("hasAnyRole('ADMIN', 'PET_OWNER')")
@PutMapping("/{id}/reject")
public ResponseEntity<AdoptionDTO> reject(@PathVariable Long id,
                                            @AuthenticationPrincipal CustomUserDetails principal) {
    return ResponseEntity.ok(adoptionService.reject(id, principal));
}

```

```

50     public class AdoptionService {
51         public AdoptionDTO approve(Long id, CustomUserDetails principal) { 1 usage
52             Adoption adoption = adoptionRepository.findById(id)
53                 .orElseThrow(() -> new EntityNotFoundException("Adoption not found"));
54             if (adoption.getStatus() == AdoptionStatus.APPROVED || adoption.getStatus() == AdoptionStatus.REJECTED) {
55                 throw new IllegalStateException("This adoption request has already been processed.");
56             }
57             Pet pet = adoption.getPet();
58             boolean isAdmin = principal.getRole().equals("ADMIN");
59             if (!isAdmin) {
60                 if (pet.getOwner() == null || !pet.getOwner().getUser().getUserId().equals(principal.getUserId())) {
61                     throw new AccessDeniedException("You can only approve adoptions for your own pets.");
62                 }
63             }
64             User user = userRepository.findById(adoption.getCreatedBy())
65                 .orElseThrow(() -> new EntityNotFoundException("User who submitted the adoption request not found"));
66             PetOwner adopter = petOwnerRepository.findByUser_UserId(user.getUserId())
67                 .orElseGet(() -> {
68                     PetOwner newOwner = new PetOwner();
69                     newOwner.setUser(user);
70                     PetOwner saved = petOwnerRepository.save(newOwner);
71
72                     user.setUserRole(PET_OWNER);
73                     userRepository.save(user);
74                     return saved;
75                 });
76             pet.adopt(adopter);
77             pet.setAvailableForAdoption(false);
78             adoption.setAdopter(adopter);
79             adoption.setStatus(AdoptionStatus.APPROVED);
80             adoption.setPreviousOwner(pet.getOwner());
81             petRepository.save(pet);
82             return AdoptionMapper.toDTO(adoptionRepository.save(adoption));
83         }
84     }

```

```

@Transactional 1 usage
public AdoptionDTO reject(Long id, CustomUserDetails principal) {
    Adoption adoption = adoptionRepository.findById(id)
        .orElseThrow(() -> new EntityNotFoundException("Adoption not found"));
    Pet pet = adoption.getPet();
    if (adoption.getStatus() == AdoptionStatus.APPROVED || adoption.getStatus() == AdoptionStatus.REJECTED) {
        throw new IllegalStateException("This adoption request has already been processed.");
    }
    boolean isAdmin = principal.getRole().equals("ADMIN");

    if (!isAdmin) {
        if (pet.getOwner() == null || !pet.getOwner().getUser().getUserId().equals(principal.getUserId())) {
            throw new AccessDeniedException("You can only reject adoptions for your own pets.");
        }
    }
    adoption.setStatus(AdoptionStatus.REJECTED);
    Adoption savedAdoption = adoptionRepository.save(adoption);
    Long requesterUserId = adoption.getCreatedBy();
    if (requesterUserId != null) {
        User user = userRepository.findById(requesterUserId).orElse(null);
        if (user != null && petOwnerRepository.existsByUser_UserId(user.getUserId())) {
            PetOwner adopter = petOwnerRepository.findByUser_UserId(user.getUserId()).orElse(null);
            if (adopter != null) {
                List<Adoption> otherAdoptions = adoptionRepository.findByAdopter_PetOwnerId(adopter.getPetOwnerId()).stream()
                    .filter(a -> !Objects.equals(a.getId(), adoption.getId()))
                    .filter(a -> a.getStatus() != AdoptionStatus.REJECTED)
                    .toList();
                if (otherAdoptions.isEmpty()) {
                    petOwnerRepository.delete(adopter);
                    user.setUserRole(USER);
                    userRepository.save(user);
                }
            }
        }
    }
}

```

View Available Pets for Adoption

This is a public endpoint that lists all pets currently available for adoption.

- **Endpoint:** GET /adoptions/available-for-adoption
- **Roles Allowed:** Public (no token required)
- **Description:**

Returns a list of pets marked as available, including their type, age, and shelter details.

```
@GetMapping("/available-for-adoption")
public ResponseEntity<List<PetDTO>> getAvailablePets() {
    List<PetDTO> pets = petService.getAvailableForAdoption();
    return ResponseEntity.ok(pets);
}
```

```
public List<PetDTO> getAvailableForAdoption() { 1 usage
    return petRepository.findByIsAvailableForAdoptionTrue().stream()
        .map(PetMapper::toDTO)
        .toList();
}
```

Pet Module – Add Pet

This endpoint allows a PET_OWNER to add a new pet profile (including optional image upload).

- **Endpoint:** POST /pets
- **Roles Allowed:** USER (converted to PET_OWNER), PET_OWNER, ADMIN
- **Description:**

Creates a new pet entity with attributes like name, type, breed, age, and optionally image. If the user is of type USER, they are upgraded to PET_OWNER.

```

    @PreAuthorize("hasAnyRole('USER', 'PET_OWNER', 'ADMIN')")
    @PostMapping
    public ResponseEntity<PetDTO> createPet(
        @RequestPart("pet") @Valid PetDTO dto,
        @RequestPart(value = "image", required = false) MultipartFile imageFile,
        @AuthenticationPrincipal CustomUserDetails principal
    ) {
        Long userId = principal.getUserId();
        User user = userRepository.findById(userId)
            .orElseThrow(() -> new IllegalArgumentException("User not found"));
        if (dto.getShelterId() == null) {
            PetOwner owner = user.getPetOwner();

            if (owner == null) {
                owner = new PetOwner();
                owner.setUser(user);
                user.setPetOwner(owner);
                if(user.getUserRole().equals(User.Role.USER)) {
                    user.setUserRole(User.Role.PET_OWNER);
                }
                user = userRepository.save(user);
                owner = user.getPetOwner();
            }
            dto.setOwnerId(owner.getId());
        }
        return ResponseEntity.ok(petService.createPet(dto, imageFile));
    }
}

```

```

public PetDTO createPet(PetDTO dto, MultipartFile imageFile) { 1 usage
    PetType type = petTypeRepository.findByName(dto.getPetTypeName())
        .orElseThrow(() -> new IllegalArgumentException("Invalid pet type"));
    PetBreed breed = petBreedRepository.findByNameAndPetType(dto.getPetBreedName(), type)
        .orElseThrow(() -> new IllegalArgumentException("Invalid pet breed"));
    PetOwner owner = null;
    Shelter shelter = null;
    if (dto.getOwnerId() != null) {
        owner = petOwnerRepository.findById(dto.getOwnerId()).orElse(null);
        if (owner == null) {
            User user = userRepository.findById(dto.getOwnerId())
                .orElseThrow(() -> new IllegalArgumentException("User not found"));
            if (user.getUserRole() != User.Role.PET_OWNER) {
                user.setUserRole(User.Role.PET_OWNER);
            }
            owner = new PetOwner();
            owner.setUser(user);
            user.setPetOwner(owner);
            userRepository.save(user);
        }
    }
    if (dto.getShelterId() != null) {
        shelter = shelterRepository.findById(dto.getShelterId())
            .orElseThrow(() -> new IllegalArgumentException("Shelter not found"));
    }
    if (owner != null && shelter != null) {
        throw new IllegalArgumentException("Pet cannot have both owner and shelter.");
    }
    Pet pet = PetMapper.toEntity(dto, type, breed, owner, shelter);
    if (imageFile != null && !imageFile.isEmpty()) {
        String imageUrl = imageUploadService.uploadMultipartFile(imageFile);
        pet.setImageUrl(imageUrl);
    }
    return PetMapper.toDTO(petRepository.save(pet));
}

```

Pet Module – Get My Pets

This endpoint returns all pets registered by the currently authenticated pet owner.

- **Endpoint:** GET /pets/mine
- **Roles Allowed:** PET_OWNER
- **Description:**
Helpful for viewing and managing personal pets.

```
@PreAuthorize("hasAnyRole('ADMIN', 'SERVICE_PROVIDER', 'USER', 'PET_OWNER')")
@GetMapping
public ResponseEntity<List<PetDTO>> getAllPets() { return ResponseEntity.ok(petService.getAllPets()); }
```

```
public List<PetDTO> getAllPets() { 1 usage
    return petRepository.findAll().stream()
        .map(PetMapper::toDTO)
        .toList();
}
```

Pet Type and Breed – Filtering by Type

Used to get breeds based on selected type (e.g., Dog, Cat).

- **Endpoint:** GET /pet-breeds/by-type?type=CAT
- **Roles Allowed:** ALL

Description:

Returns filtered breeds to assist users when adding new pets.

```
@PreAuthorize("hasAnyRole('ADMIN', 'SERVICE_PROVIDER', 'USER', 'PET_OWNER')")
@GetMapping("/filter")
public ResponseEntity<List<PetDTO>> filterByType(@RequestParam String type) {
    return ResponseEntity.ok(petService.getPetsByType(type));
}
```

```
public List<PetDTO> getPetsByType(String typeName) { 1 usage
    PetType type = petTypeRepository.findByTypeName(typeName)
        .orElseThrow(() -> new IllegalArgumentException("Invalid type"));
    return petRepository.findByPetType(type).stream()
        .map(PetMapper::toDTO)
        .toList();
}
```

Shelter – Get Pets in Specific Shelter

This allows any user to see all pets hosted by a particular shelter.

- **Endpoint:** GET /shelters/{shelterId}/pets
- **Roles Allowed:** USER, PET_OWNER, ADMIN
- **Description:**
Displays a list of pets available in a specific shelter with IDs and brief info.

```
@PreAuthorize("hasAnyRole('ADMIN', 'PET_OWNER', 'USER')")
@GetMapping("/{shelterId}/pets")
public ResponseEntity<List<PetDTO>> getPetsByShelter(@PathVariable Long shelterId) {
    return ResponseEntity.ok(shelterService.getPetsByShelter(shelterId));
}

public List<PetDTO> getPetsByShelter(Long shelterId) { 1 usage
    Shelter shelter = shelterRepository.findById(shelterId)
        .orElseThrow(() -> new EntityNotFoundException("Shelter not found"));

    List<Pet> pets = petRepository.findByShelter(shelter);

    return pets.stream() Stream<Pet>
        .map(PetMapper::toDTO) Stream<PetDTO>
        .toList();
}
```

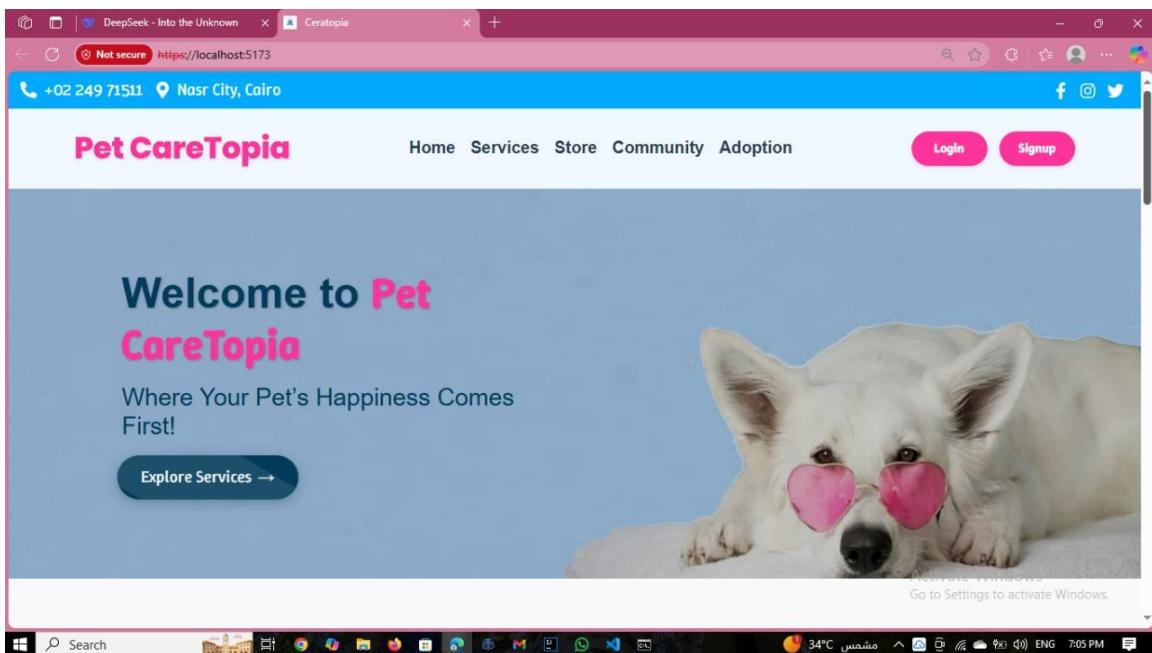
These APIs are secured using Spring Security with role-based access, and their implementation ensures clear separation of concerns, data validation, and user permissions at every interaction level.

Chapter 6: Software

4.1 Overview

This chapter is covering the system architecture and the design of the system by using diagrams

4.2 User Interface Design



Our Story

Founded in 2015, Pet Caretopia began as a small clinic with big dreams. Today, we're Cairo's leading pet care provider, offering comprehensive services with love and expertise.



12+
Industry Awards



5,000+
Happy Clients



2,000+
Successful Adoptions



50+
Professional Staff



Activate Windows
Go to Settings to activate Windows.

Our Services



Grooming & Cleaning
Professional grooming services to make your pet look fabulous



Medical Care
Regular checkups and specialized veterinary treatments



Pet Adoption
Adoption centers rescue and rehome animals



Behavior Training
Training programs to improve your pet's behavior

Activate Windows
Go to Settings to activate Windows.

The screenshot shows the homepage of Pet Caretopia. At the top, there are two dropdown menus: "What payment methods do you accept?" and "How can I prepare my pet for their first visit?". Below the header, the main content area features the Pet Caretopia logo, a brief description, social media links, and a "Quick Links" sidebar with links to Home, Services, Adoption, Community, and Store. To the right is a "Contact Us" section with address, phone number, and email information. The footer contains copyright details and an "Activate Windows" message.

The screenshot shows the "Change Your Password" page. It features a form with five input fields: "Email address", "PhoneNumber", "Password", "confirmPassword", and a "forgot password" link. A "Reset Password" button is at the bottom. The page is set against a dark background with a white card-like layout for the form.

The screenshot shows the Pet CareTopia Signup page. At the top, there is a navigation bar with links for Home, Services, Store, Community, Adoption, Login, and Signup. The main content area is titled "Get Started Now!" and contains fields for Name, Phone Number, Email address, Address, Password, Birth Date, Select Role, and Select Gender. Below these fields is a large blue "Sign In" button. At the bottom left, there is a link for "Already have an account?". On the right side, there is a promotional message for Windows activation: "Activate Windows Go to Settings to activate Windows." The browser status bar at the bottom indicates "Not secure https://localhost:5173/signup".

The screenshot shows the Pet CareTopia Login page. At the top, there is a navigation bar with links for Home, Services, Store, Community, Adoption, Login, and Signup. The main content area is titled "Welcome back!" and contains fields for Email address and Password. Below these fields is a "Login" button. At the bottom left, there is a link for "Do not have an account? Sign Up". On the right side, there is a promotional message for Windows activation: "Activate Windows Go to Settings to activate Windows." The browser status bar at the bottom indicates "Not secure https://localhost:5173/login".

The screenshot shows a web browser window titled "DeepSeek - Into the Unknown" with the URL "https://localhost:5173". The page is titled "Frequently Asked Questions" with a subtitle "Find answers to common pet care queries". It features a pink paw print icon at the top. Below the title, there are four expandable sections:

- What vaccinations does my pet need?**

Core vaccines include rabies, distemper, parvovirus, and adenovirus for dogs, and panleukopenia, calicivirus, and herpesvirus for cats. We'll create a personalized schedule during your first visit.
- How often should I bring my pet for check-ups?**
- Do you offer emergency services?**
- What payment methods do you accept?**
- How can I prepare my pet for their first visit?**

A sidebar on the right says "Activate Windows Go to Settings to activate Windows." The browser's taskbar at the bottom shows various pinned icons and the system status bar indicates it's 34°C, ENG, 7:08 PM.

The screenshot shows a web browser window titled "DeepSeek - Into the Unknown" with the URL "https://localhost:5173/dashboard/vaccineMangement". The page is titled "Pet CareTopia" with a navigation menu including Home, Services, Store, Community, Adoption, and a Log Out button. The main content area is titled "Vaccines Management".

The interface includes a sidebar with the following navigation items:

- User Management
- Manage Store
- Manage Pets
- Manage Shelter
- Manage Vaccines
- Manage ServiceProviders
- Adoptions
- Transactions

The main content area displays a table titled "Add Vaccine Type" with one row of data:

ID	NAME	DESCRIPTION	VACCINES	ACTIONS
1	Vitamin d	Important for pets	Show Breeds Show Vaccines	+ Add Edit Delete

A sidebar on the right says "Activate Windows Go to Settings to activate Windows." The browser's taskbar at the bottom shows various pinned icons and the system status bar indicates it's 34°C, ENG, 7:28 PM.

DeepSeek - Into the Unknown

Ceratopia

Not secure https://localhost:5173/dashboard/petMangement

Pet CareTopia

Home Services Store Community Adoption

User Mangement

Manage Store

Manage Pets

Manage Shelter

Manage Vaccines

Manage ServiceProviders

Adoptions Transactions

Pets Management

Pets

Manage Pet Types

Activate Windows
Go to Settings to activate Windows.

Search

34°C مشرق ٧:١٩ PM ENG

DeepSeek - Into the Unknown

Ceratopia

Not secure https://localhost:5173/dashboard/storeMangement

Pet CareTopia

Home Services Store Community Adoption

User Mangement

Manage Store

Manage Pets

Manage Shelter

Manage Vaccines

Manage ServiceProviders

Adoptions Transactions

Store Management

Products

Manage Products

Orders

Manage Orders

Activate Windows
Go to Settings to activate Windows.

Search

34°C مشرق ٧:١٦ PM ENG

DeepSeek - Into the Unknown

Ceratopia

Not secure https://localhost:5173/dashboard/serviceProvidersManagement

Pet CareTopia

Home Services Store Community Adoption

User Management

Manage Store

Manage Pets

Manage Shelter

Manage Vaccines

Manage ServiceProviders

Adoptions Transactions

ServiceProvider Mangement

Facilities

Mange Facilities

Service Providers

Mange Providers

Activate Windows
Go to Settings to activate Windows.

DeepSeek - Into the Unknown

Ceratopia

Not secure https://localhost:5173/dashboard/sheltersManagement/shelter/1

Pet CareTopia

Home Services Store Community Adoption

User Management

Manage Store

Manage Pets

Manage Shelter

Manage Vaccines

Manage ServiceProviders

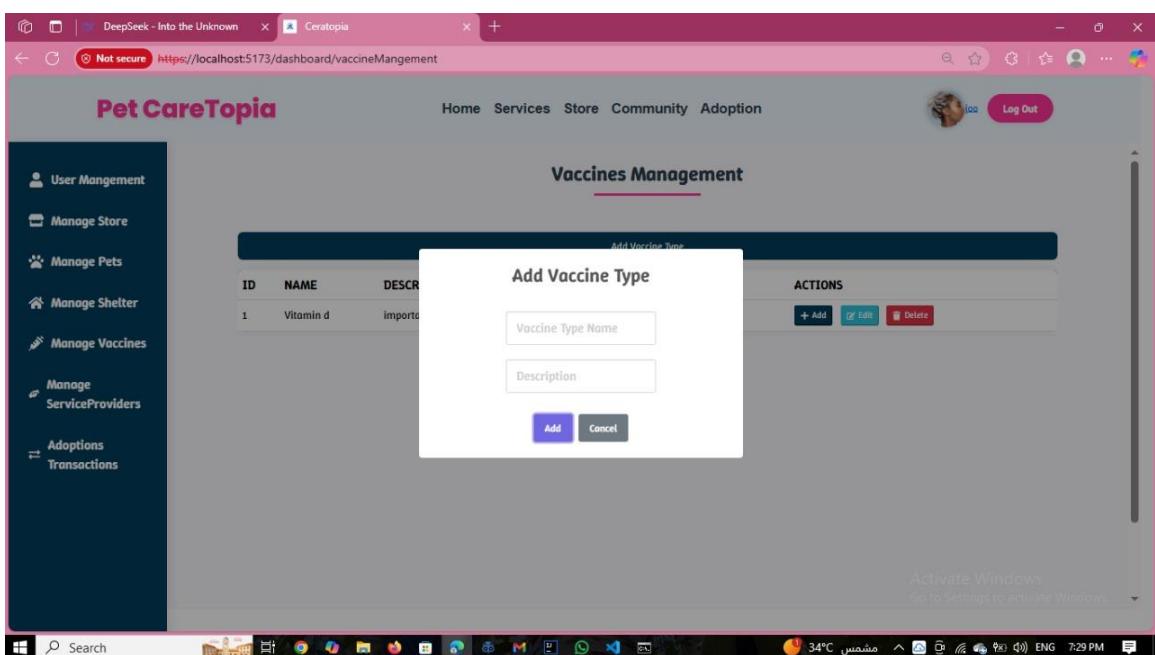
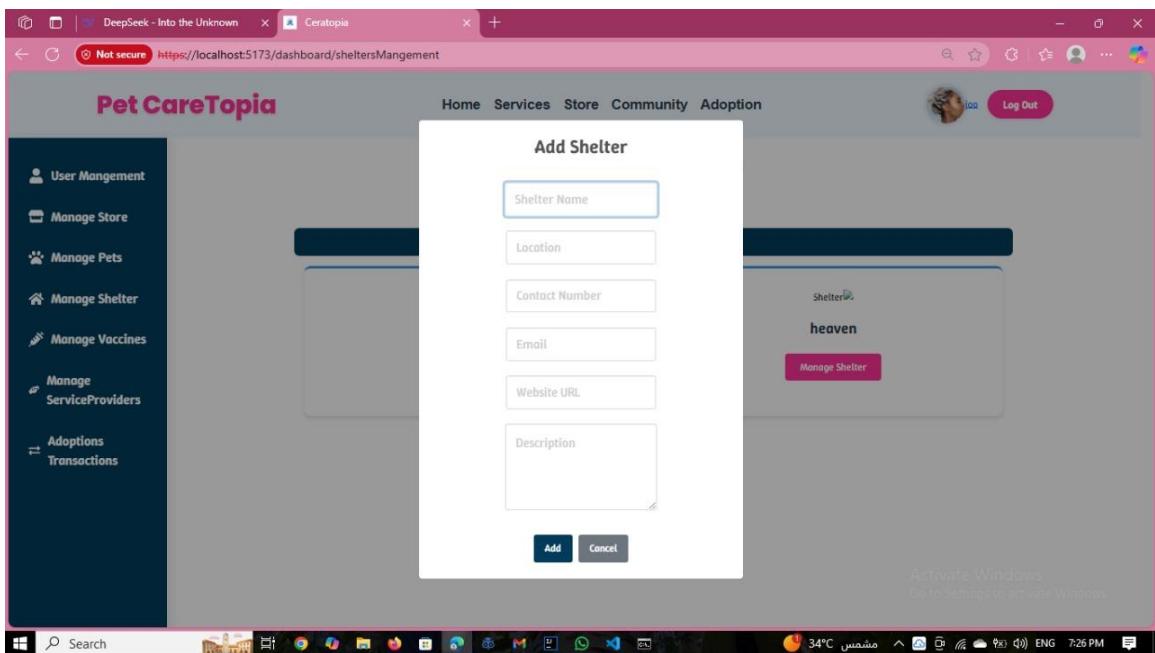
Adoptions Transactions

Shelter Pets Management

Add Pet

ID	NAME	TYPE	BREED TYPE	ACTIONS
1	Rix	Dog	Pitbull	<button>Remove</button> <button>Update</button>
2	Rix	Dog	Pitbull	<button>Remove</button> <button>Update</button>
4	kitty	cat	british shorthair	<button>Remove</button> <button>Update</button>

Activate Windows
Go to Settings to activate Windows.



The screenshot shows the Pet CareTopia dashboard with the URL <https://localhost:5173/dashboard/serviceProvidersManagement/providersManagement>. The main title is "Service Providers Management". On the left, there is a sidebar with navigation links: User Management, Manage Store, Manage Pets, Manage Shelter, Manage Vaccines, Manage ServiceProviders, and Adoptions Transactions. The main content area displays a table of service providers:

ID	NAME	EMAIL	PHONE NUMBER	ADDRESS	GENDER	AGE	SALARY	TYPE	EXPERIENCE	FACILITIES	ACTIONS
1	hoger	hoger@gmail.com	01019672179	alex	FEMALE	1 Year	0	OTHER	0	No facilities	<button>Remove</button>
2	rehab	rehab@gmail.com	01234567899	cairo	FEMALE	1 Year	50000	TRAINER	5	No facilities	<button>Remove</button>
3	provider	provider@gmail.com	01119679179	cairo	FEMALE	2 Days	10000	OTHER	3	No facilities	<button>Remove</button>
4	PetSitter	PetSitter@gmail.com	01069194800	cairo	FEMALE	2 Years	15000	SITTER	2	No facilities	<button>Remove</button>

At the bottom right of the dashboard, there is a message: "Activate Windows Go to Settings to activate Windows."

The screenshot shows the Pet CareTopia dashboard with the URL <https://localhost:5173/dashboard/adoptionTransactions>. The main title is "Adoption Transactions". On the left, there is a sidebar with navigation links: User Management, Manage Store, Manage Pets, Manage Shelter, Manage Vaccines, Manage ServiceProviders, and Adoptions Transactions. The main content area displays a table of adoption requests:

PET	NAME	DATE	REQUESTER	STATUS
<p>No adoption requests found</p>				

At the bottom right of the dashboard, there is a message: "Activate Windows Go to Settings to activate Windows."



THANK YOU