PAWS: Veterinary Management System

Simplifying operations for better pet care

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Objective

To provide an integrated system that simplifies and streamlines the operations of veterinary hospitals.

Why Develop PAWS

Develop a centralized platform for managing hospital operations.

Improve animal care efficiency through better data handling and Ensure data security.

Reduce operational costs and enhance administrative workflows.

Problem Statement

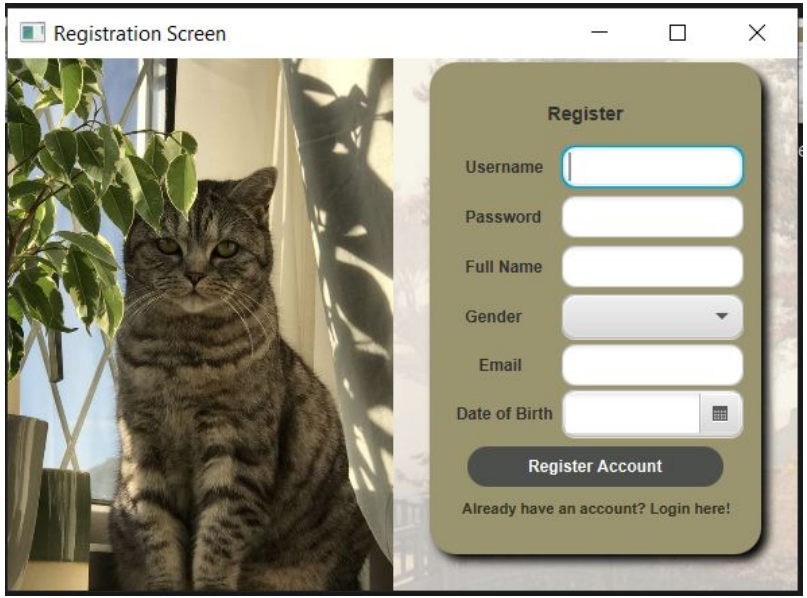
Challenges in Current Veterinary Clinics

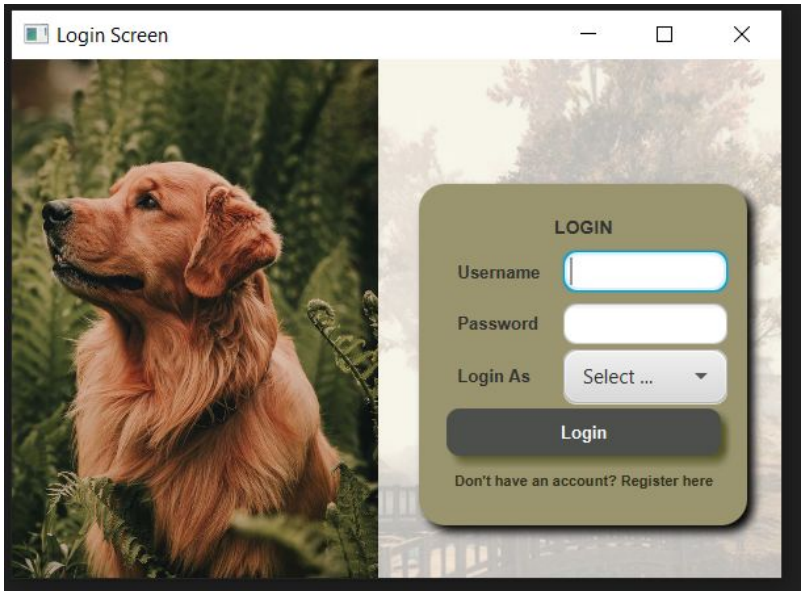
- **Delays in Registration and Appointments:** Leading to inefficiencies and frustration for pet owners.
- **Outdated Systems:** Manual workloads result in suboptimal patient care.
- **Lack of Seamless Integration:** Communication gaps between departments affect operations.

Solution: PAWS

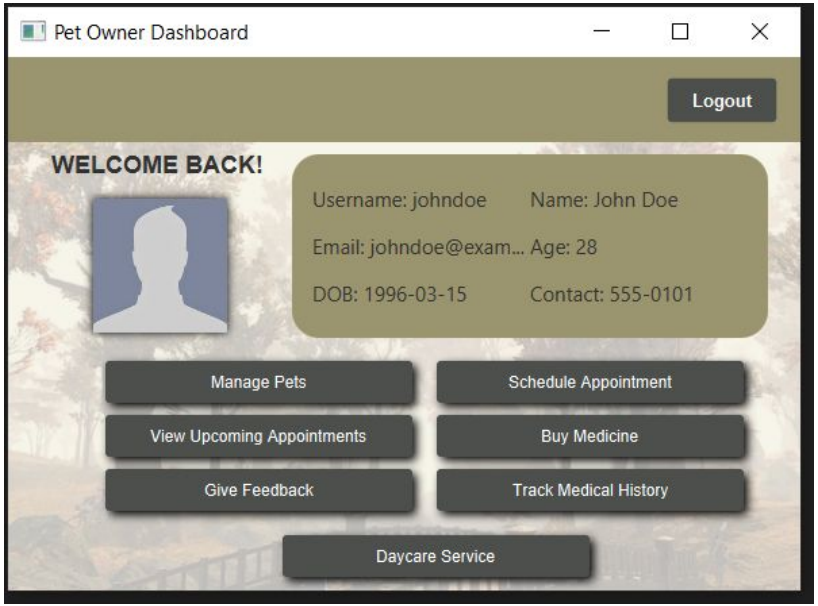
- A unified platform addressing these issues through automation, secure data management, and enhanced resource utilization.
- Focused on improving patient care while reducing manual dependencies.

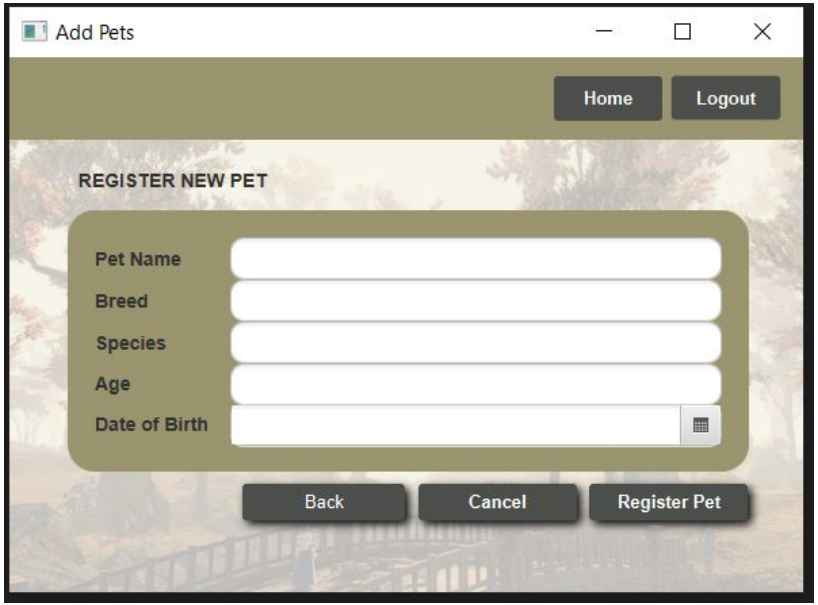
System Overview:
Key Featured Highlights



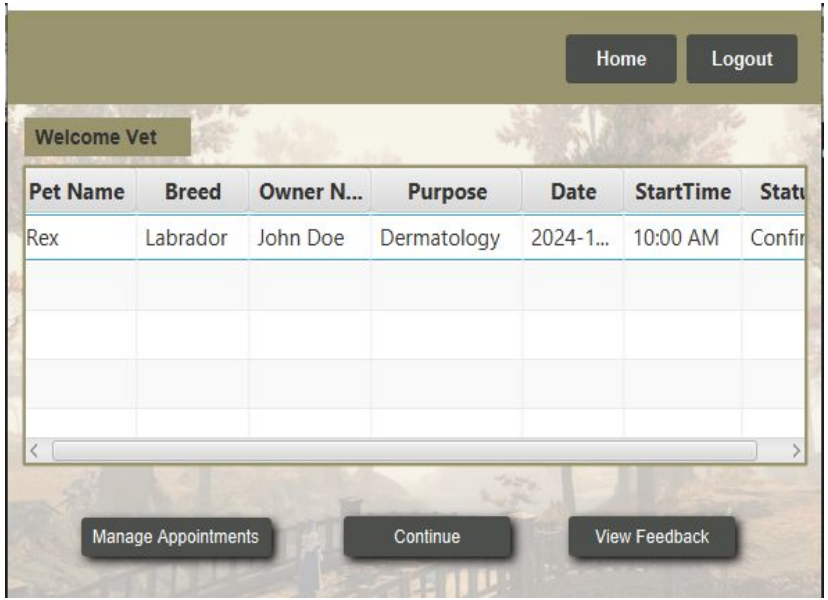


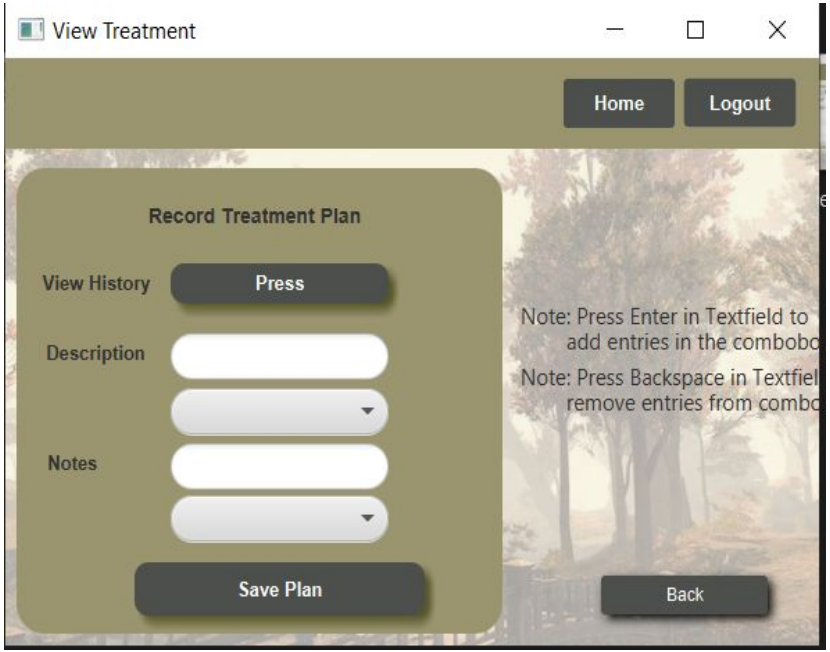
Interface Preview: Pet Owner



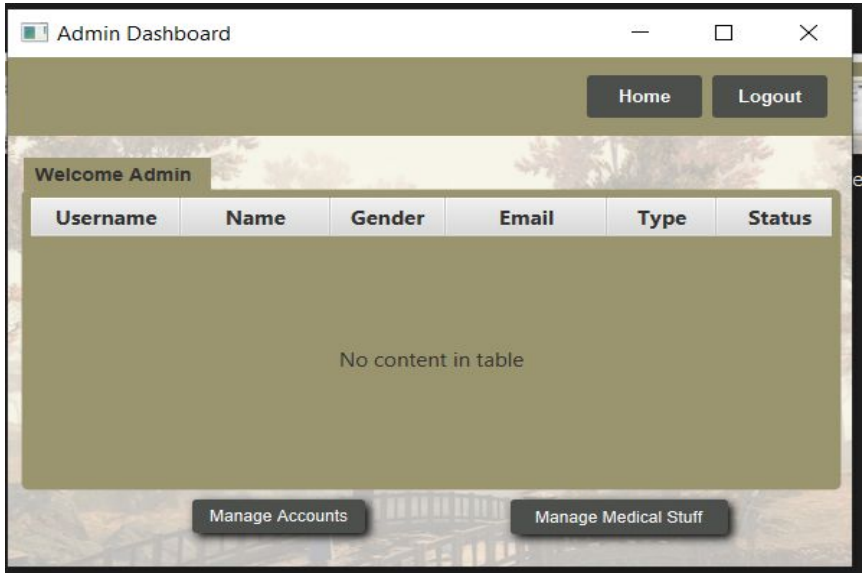


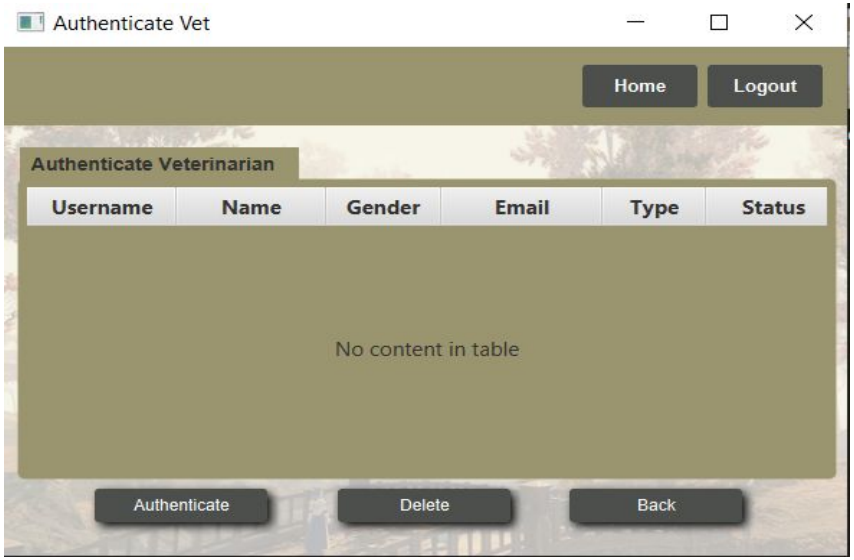
Interface Preview: Veterinarian





Interface Preview: Admin





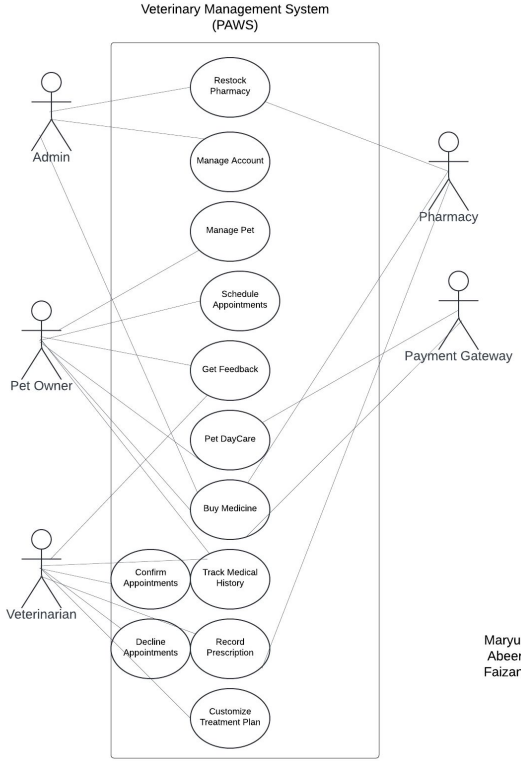
Major Use Case: Manage Pet

This use case allows the Pet Owner and Veterinarian to manage the pet's information, including registration, medical records, and treatment history.

Actors Involved

- **Pet Owner**: Initiates pet registration and manages pet details.
- **Veterinarian**: Updates and views medical records and treatments.
- **Admin**: Oversees all pet records and manages access.

Use Case Diagram



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Main Flow

Step 1: Pet Owner registers a new pet with details (name, breed, age, etc.)

Step 2: Veterinarian updates medical history and treatment details

Step 3: Pet Owner views and updates the pet's profile if needed

Step 4: Veterinarian and Admin monitor pet health records, treatment plans, and appointment schedules

Alternative Flow

Step 1: If the pet owner tries to register an existing pet, the system alerts them.
Step 2: If the veterinarian tries to update an invalid treatment, the system prompts a correction.

PostConditions

-The pet's data (medical and personal) is updated in the system.

-New treatment history and appointments are saved.

Benefits

- Streamlines pet management
- Centralized data for improved healthcare tracking
- Easy access for both owners and medical staff

Conclusion

The **PAWS Veterinary Hospital Management System** streamlines hospital operations by automating key processes like pet registration, appointments, and treatment history. It improves efficiency, reduces errors, and enhances service delivery, benefiting both staff and pet owners. The system's flexibility allows for future growth and feature additions, ensuring it can adapt to the hospital's evolving needs while providing high-quality care.

Thank you for your attention!