Paws' Own

A pet-care products & accessories management and reservation system

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Internal Guide

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Introduction

Pet care products and accessories management system is a web application to manage the activities of a physical pet care products shop. The proposed system provides all the basic needs of pet owners in order to provide the best care for their pets. This is the web-based application for make purchases. This system displays all information about pet products shop and at the same time this system provides the facilities to purchase products and make payments. The main modules of the system are Admin module, Customer module, Veterinarian module and Vaccine Center module.
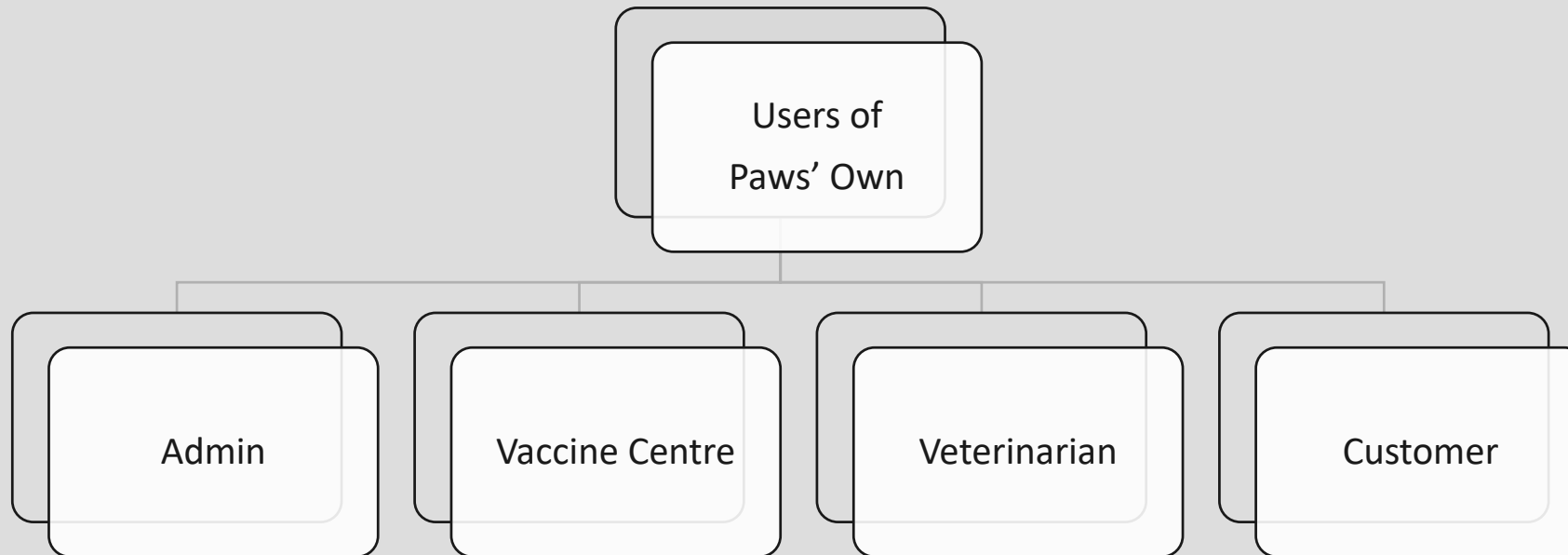
Introduction (cntd…)

Admin functionalities include products management, customer management, veterinarian management, feedback management, stock management, revenue prediction, sentiment analysis and the admin control the entire system. Customer functionalities include browsing of products, information regarding pet health schedule, pet vaccination schedule, booking appointments, booking vaccinations, view orders, voice search, retrieval of pet information using QR code technology, view appointment history, vaccination history, vaccine reporting and payment.

Introduction (cntd…)

The system also provides the customers an AI based chatbot that can resolve the queries submitted by the customers. Functionalities of Veterinarian include managing profile, managing appointments, giving prescriptions, and managing pet health care schedule. Functionalities of vaccine center include adding vaccines, adding vaccine agency, updating vaccine information, stock management and blocking vaccines or vaccine agencies.

Users of Proposed System

Users of Proposed System (cntd…)

Admin

- Login

- Manage Veterinarian

- View Feedbacks

- Manage order status

- Manage Products

- Stock Management

- Sentiment Analysis

- Data Visualization

- Manage Customers

- Sales Prediction

- Order Statistics

Users of Proposed System (cntd...)

Vaccine Centre

- Login

- Manage Vaccine Agency

- Report Vaccine or Vaccine Agency

- Manage Vaccine Information

- Manage Bookings

- View Bookings

- Manage Vaccine Availability

- Generate Vaccination Statistics

- Data Visualization

Users of Proposed System (cntd…)

Veterinarian

- Login

- Manage Appointments

- Update Profile

- Manage Prescription

- View Consultation

- Manage Pet health Schedule

Users of Proposed System (cntd…)

Customer

- Registration and Login

- View and Update pet information

- Book and view vaccination

- Regular search and voice search

- Register Pets

- Pet card generation using QR code technology

- Submit Report

- Add to cart

- Profile Updation

- Book and view consultations

- View Prescription

- Purchase products

Users of Proposed System (cntd...)

Customer

- Cancel orders

- Submit feedbacks

- Forgot Password

- Update address

- View pet health schedule

- Account Deletion

- View orders

- Personal Assistant

Modules of Proposed System

- Products Module

- Pet Module

- Pet Health Module

- Sales Module

- Stock Management Module

- Veterinary Module

- Vaccination Module

- Feedback Module

Functionalities of Proposed System

1. Products Module

- Admin: Add, update and delete products

- Customers: View products, add to cart and place order

2. Stock Management

- Admin: Update product stock

- Vaccine Centre: Update vaccine stock

Functionalities of Proposed System (cntd…)

3. Pet Module

- Customers: Register, View, Update or Delete pet, QR code ID generation

4. Veterinary Module

- Customers: Book for consultation, View, cancel or delete appointments

- Veterinarian: Manage consultations, add or edit prescription

Functionalities of Proposed System (cntd…)

5. Pet Health Module

- Customers: View pet health schedule

- Veterinarian: Manage pet health schedule

6. Vaccination Module

- Customers: Book for vaccination, view, cancel or delete vaccination booking

- Vaccine Center: Add, update or delete vaccine information, view and manage vaccination bookings and data visualization

Functionalities of Proposed System (cntd…)

7. Sales Module

- Customers: Purchase goods and view order history

- Admin: View order statistics, update order status, generate order report, sales prediction, and data visualization

8. Feedback Module

- Customers: Submit feedbacks

- Admin: Sentiment analysis and data visualization

Technologies Used

- **AI Chatbot:** Resolves customer queries

- **reCAPTCHA:** To distinguish between human and automated access to website

- **Voice Recognition:** Search by voice

- **QR Code Recognition:** QR ID generation for pets

- **Sentiment Analysis:** Review or feedback analysis

- **Sales Prediction:** Predicted revenue for upcoming years

- **Data Visualization:** Graphical representation of reports

Conclusion

PAWS' OWN, a pet care products and accessories management system brings great convenience to the users. The aim of the proposed system is to develop a web based application for providing a wide range of pet products and services. The proposed system can overcome all the limitations of the existing system. The system provides all the necessary facilities to fulfil the needs of pet owners and has the option to book an appointment with the veterinarian to deal with various health concerns of the pet and to book for vaccination at the comfort of their home. It reduces the manual work.

Conclusion (cntd…)

The existing system has several disadvantages and many more difficulties to work well. The proposed system tries to eliminate or reduce these difficulties up to some extent. The proposed system will help the user to reduce the workload and mental conflict. It includes the functionalities of registering into the system, login to the system, searching products, adding products to cart, purchase products, registering pets, booking an appointment with the veterinarian and book for vaccination. The proposed system helps the user to work user friendly and is more time and cost efficient.

Thank You.