

CA - Report

Name of Student	Sneha Patra
Class Roll No	D15A_40
D.O.P.	20/03/2025
D.O.S.	27/03/2025
Sign and Grade	

TITLE : Pet Care Management System

PROJECT DESCRIPTION

The **Pet Care Management System** is a full-stack web application designed to manage pet-related activities for pet owners and veterinary clinics. Built using **HTML**, **TypeScript**, **Flask**, and **MongoDB**, the system helps in organizing pet records, medical appointments, and health tracking in a streamlined way.

The **backend** is developed using **Flask (Python)** to handle API requests, form processing, and communication with the **MongoDB** database. On the **frontend**, HTML and TypeScript ensure a responsive, structured, and interactive user interface for managing pets and appointments.

TECHNOLOGIES USED

- **Frontend:** HTML, TypeScript
- **Backend:** Flask (Python)
- **Database:** MongoDB
- **Development Tools:** VS Code, Postman, Git

FEATURES IMPLEMENTED

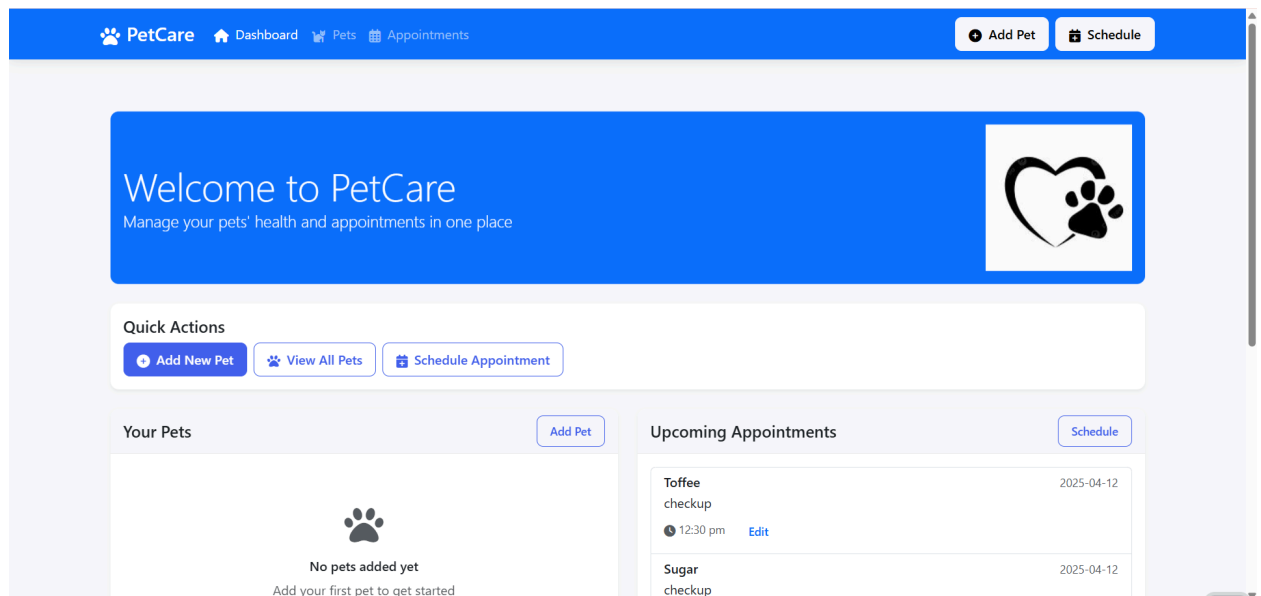
- **Pet Registration:** Add and update pet details including name, age, type, and breed.
- **Appointment Scheduling:** Create and view appointments for pet check-ups or vaccinations.
- **Dashboard View:** Displays total pets, upcoming appointments, and recent activities.

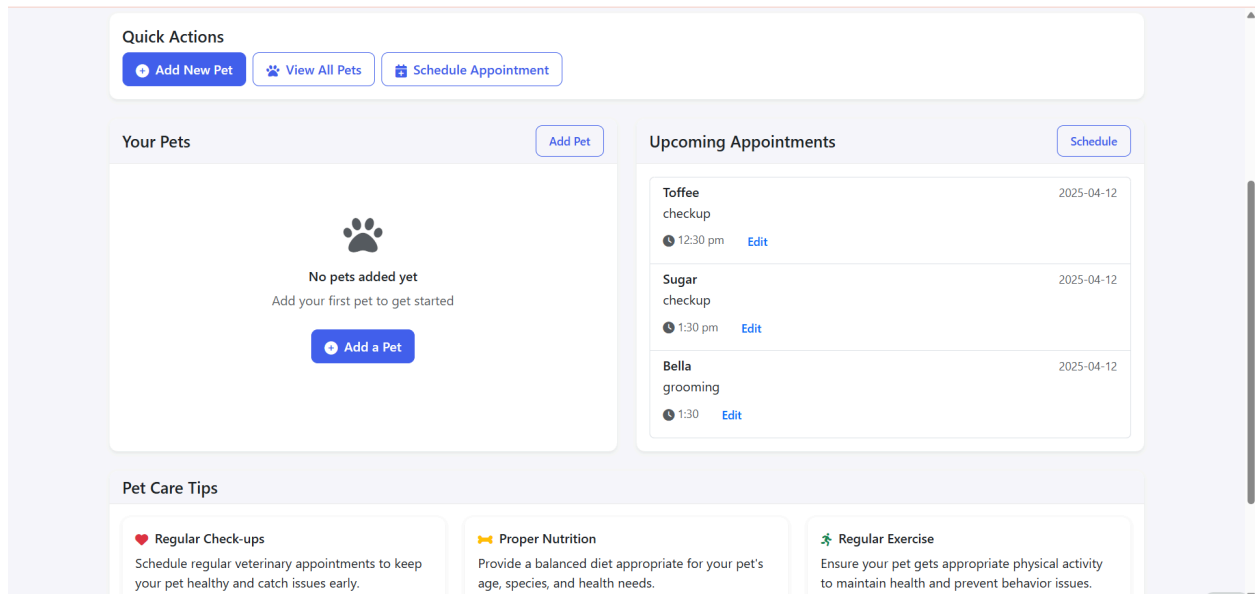
GITHUB LINK - https://github.com/Sneha0321/PetCareManagementSystem_Flask

OUTPUT

Home Page:

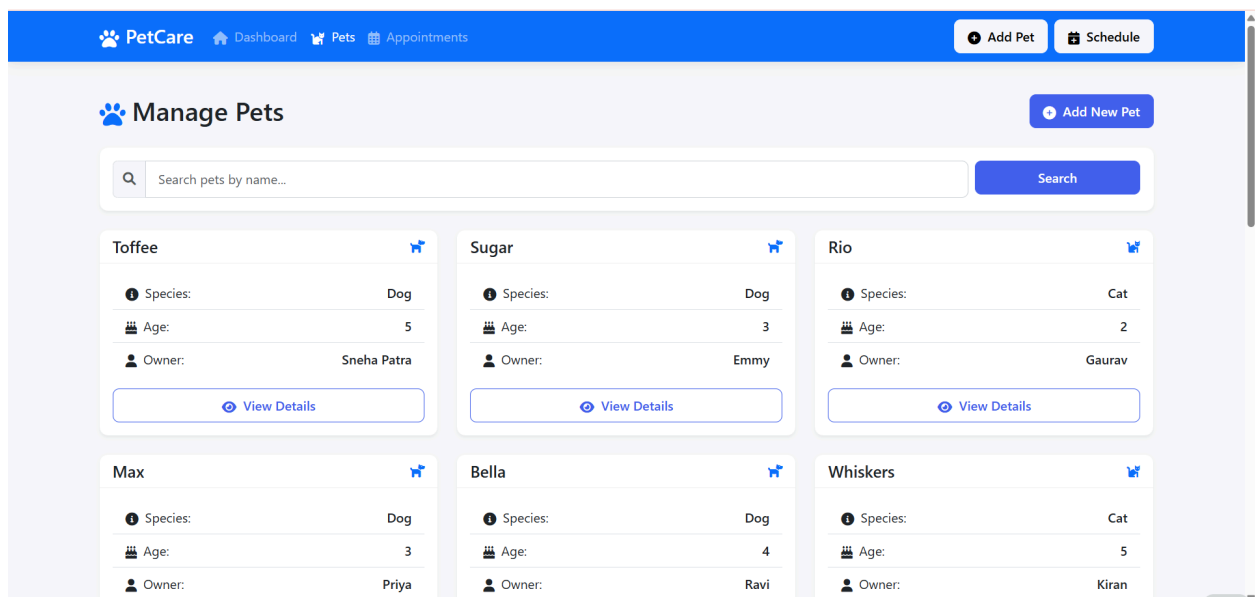
Main dashboard of the Pet Care Management System featuring navigation cards and quick access to key modules.






Manage Pet Profile:

Pet profile page displaying detailed pet information with options to edit or manage records.



 Toffee

[Edit Pet](#) [Delete](#)

Pet Information

Species:

Dog

Breed:

Golden Retriever

Age:

5

Gender:

Male

Weight:

5 kg

Owner Information

Name:

Sneha Patra

Phone:

1234567890

Email:

abc@gmail.com

Notes

No additional notes.

Medical Records

[Add Record](#)

No medical records available.


Appointments

[Schedule](#)

Date	Time	Type	Notes	Actions
2025-04-12	12:30 pm	Checkup		Edit Delete

Add New Pet Page:

A form is displayed in the add pet section where you can add pet name, breed, owner information etc.

 PetCare

[Dashboard](#) [Pets](#) [Appointments](#)

[Add Pet](#) [Schedule](#)

+ Add New Pet

Pet Name*

Species*

Dog

Breed

Age

Gender

Male

Weight (kg)

Owner Information

Owner Name*

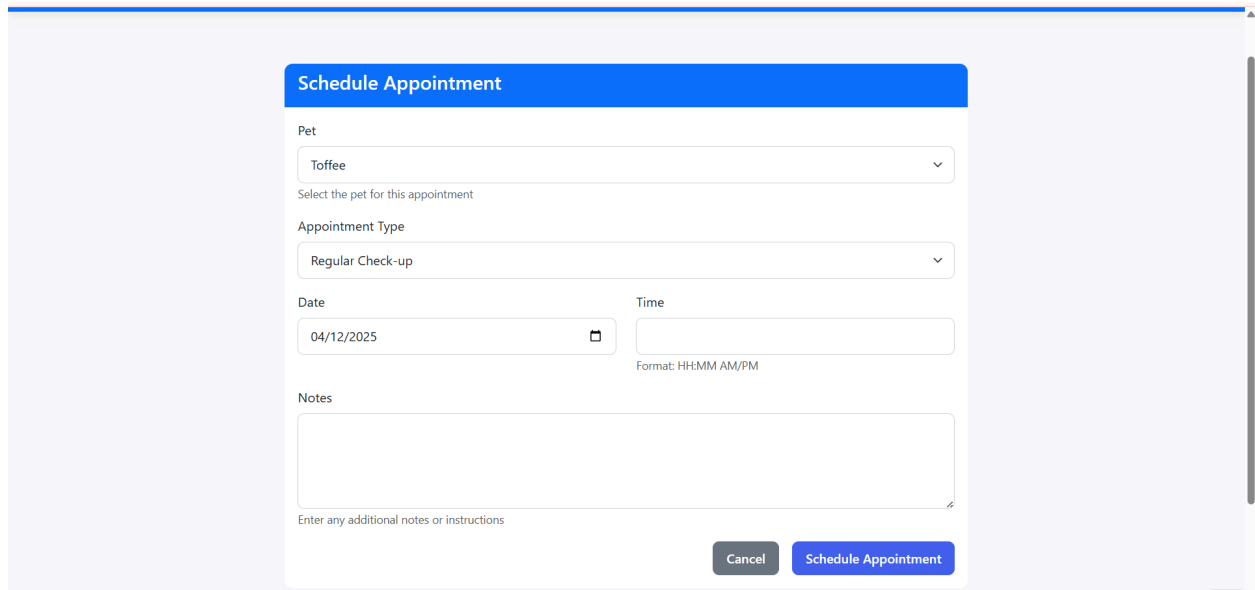
Owner Phone*

Owner Email

Additional Notes

Appointment scheduling interface:

Appointment scheduling interface allowing users to book and view upcoming vet appointments.



The screenshot shows a web form titled "Schedule Appointment" with a blue header. The form contains the following fields and controls:

- Pet:** A dropdown menu with "Toffee" selected. Below it is the text "Select the pet for this appointment".
- Appointment Type:** A dropdown menu with "Regular Check-up" selected.
- Date:** A text input field containing "04/12/2025" with a calendar icon to its right.
- Time:** An empty text input field with the label "Format: HH:MM AM/PM" below it.
- Notes:** A large text area with the placeholder text "Enter any additional notes or instructions".
- Buttons:** At the bottom right, there are two buttons: a grey "Cancel" button and a blue "Schedule Appointment" button.

CONCLUSION:

The **Pet Care Management System** demonstrates the effective use of **HTML**, **TypeScript**, **Flask**, and **MongoDB** to create a real-world application for managing pet-related services. With modules like pet registration, appointment tracking, and a user-friendly dashboard, the project highlights strong skills in full-stack web development, backend API integration, and NoSQL database handling. It serves as a valuable application in the domain of pet care and veterinary support.