CA - Report

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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

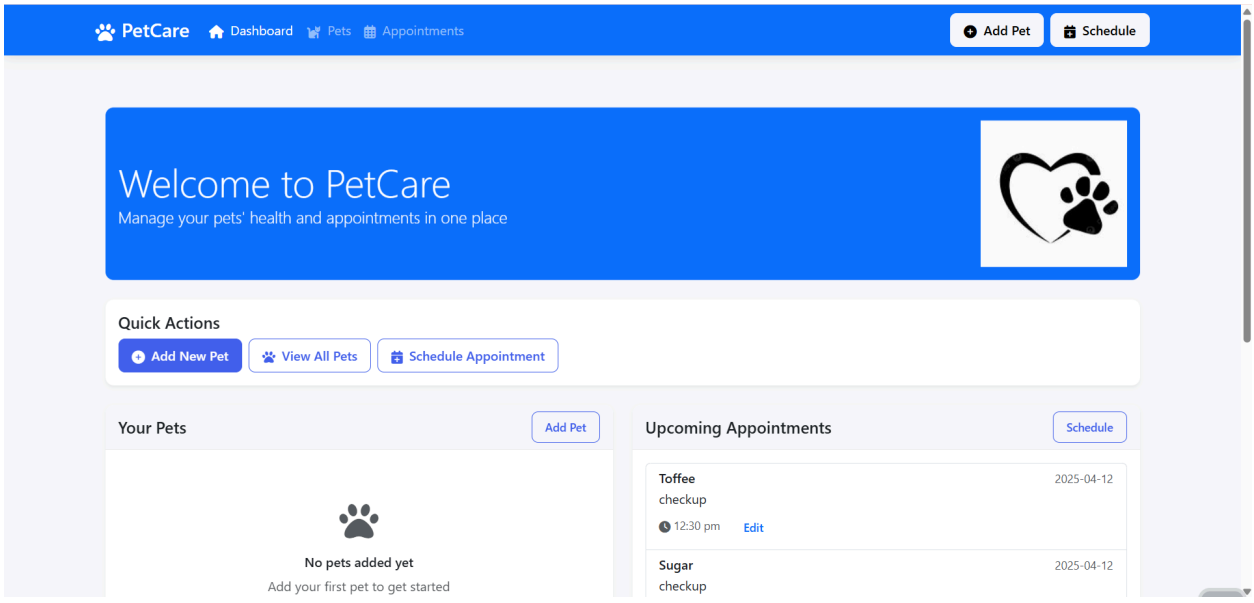
- **Pet Registration**: Add and update pet details including name, age, type, and breed.
- **Appointment Scheduling**: Create and view appointments for pet check-ups or vaccinations.
- **Dashboard View**: Displays total pets, upcoming appointments, and recent activities.

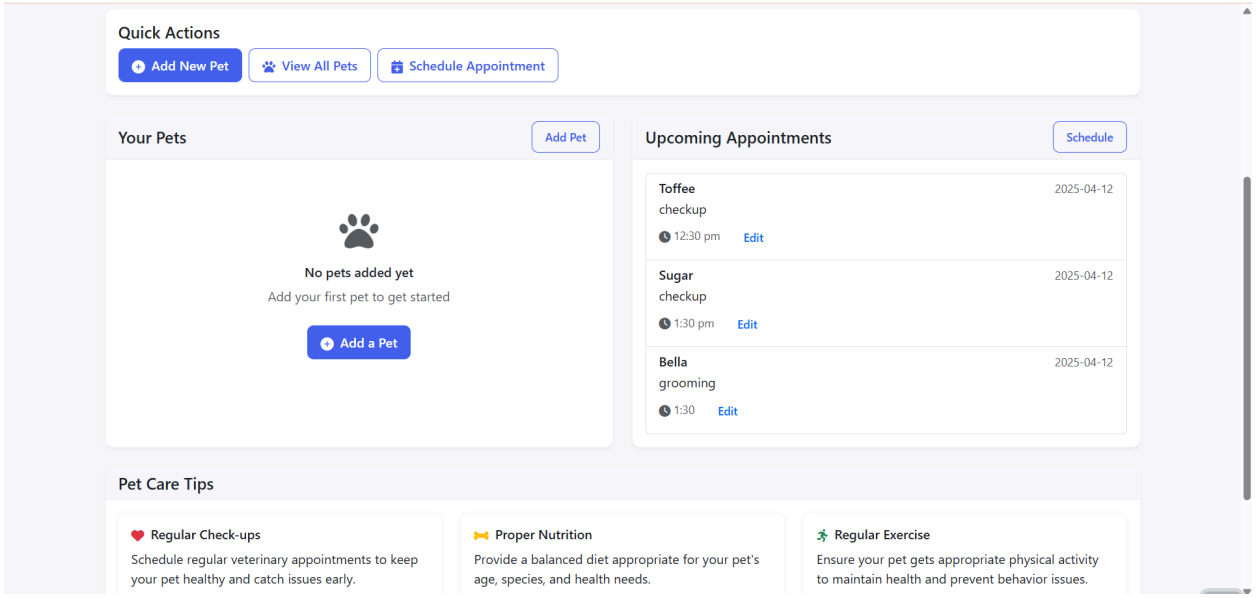
GITHUB LINK - https://github.com/Sneha0321/PetCareManagementSystem_Flask

OUTPUT

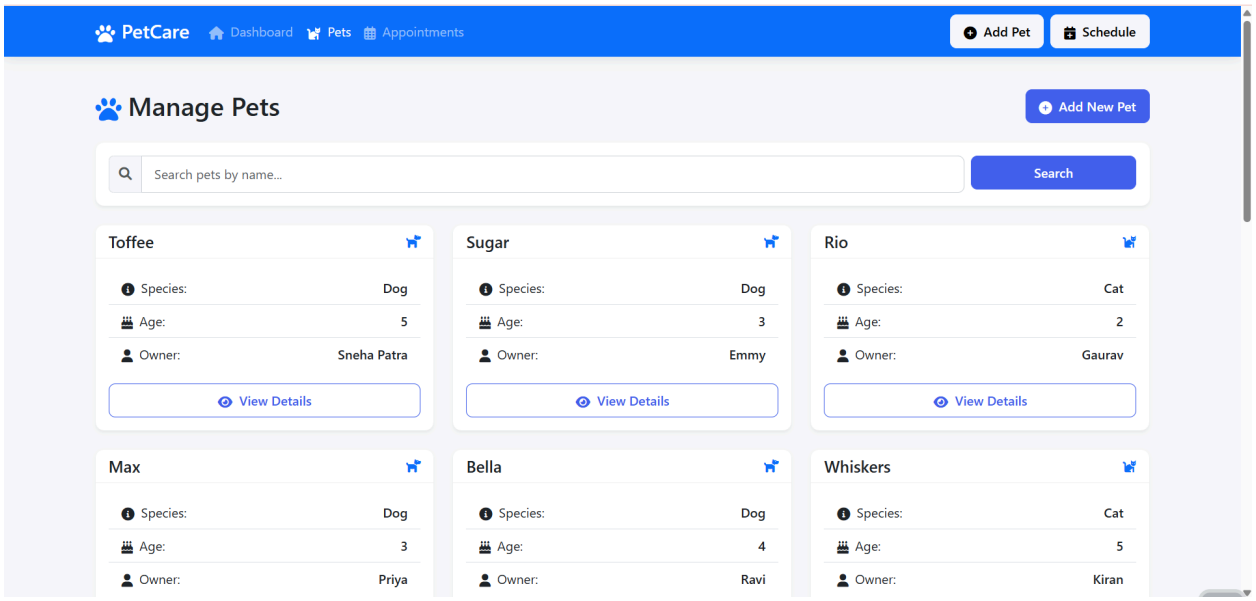
Home Page:

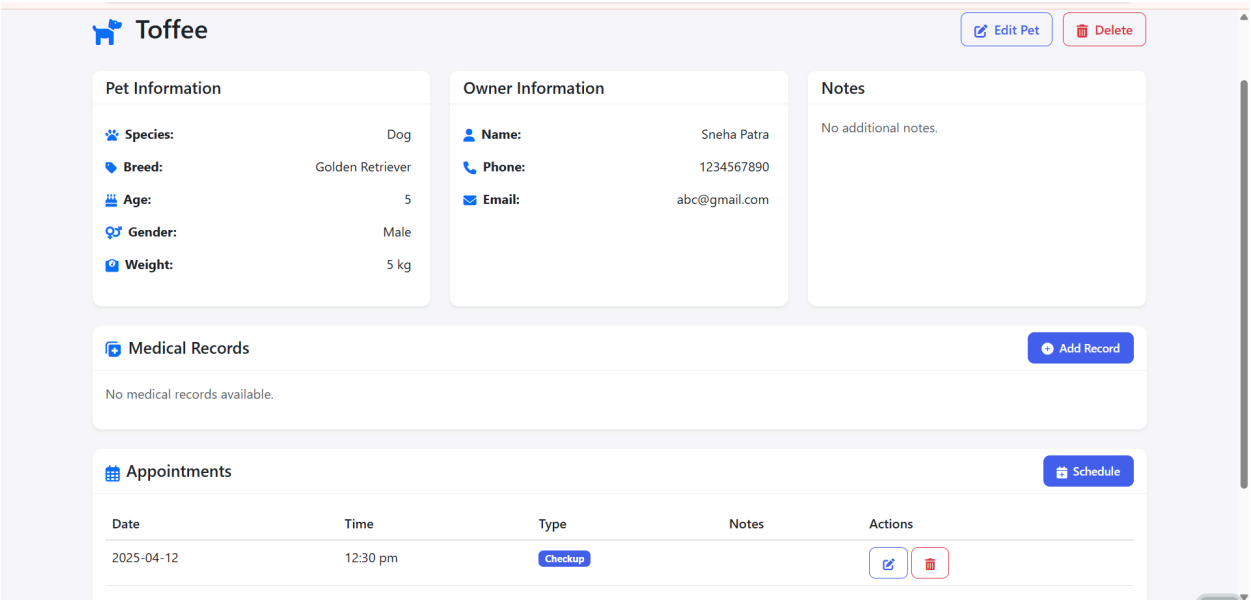
Main dashboard of the Pet Care Management System featuring navigation cards and quick access to key modules.



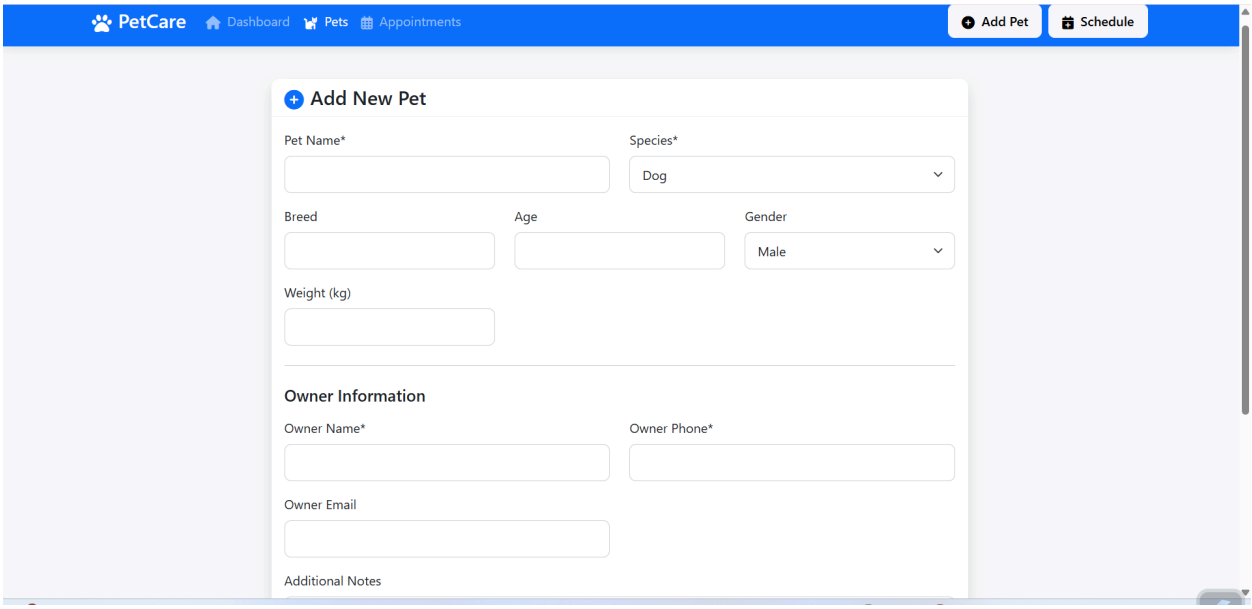


Manage Pet Profile:
Pet profile page displaying detailed pet information with options to edit or manage records.

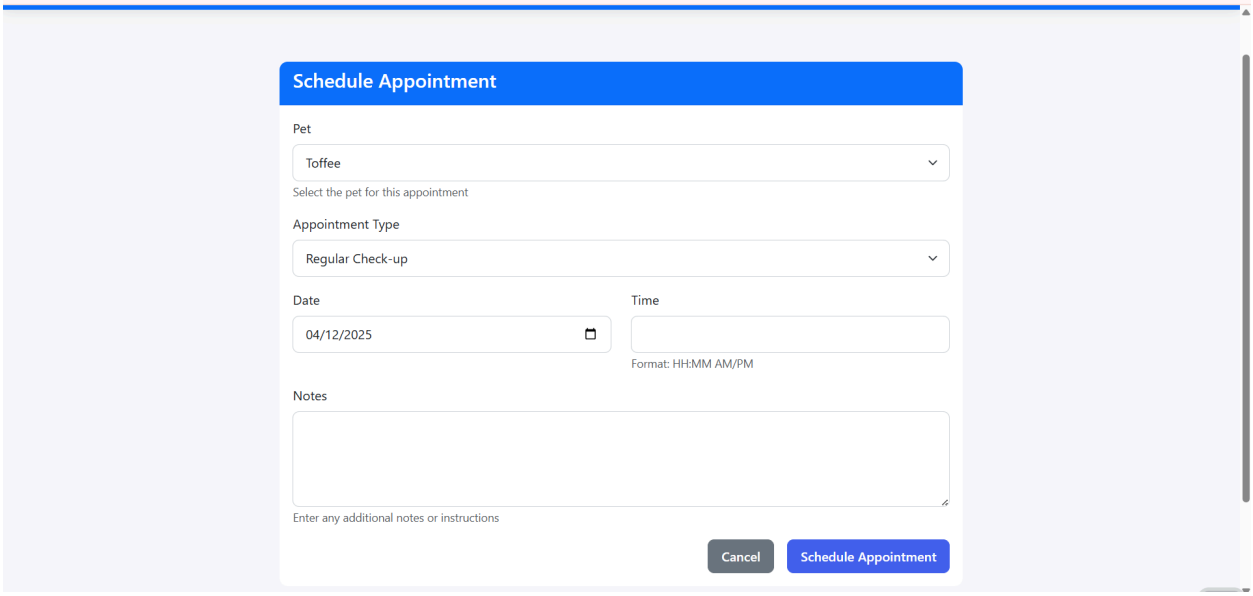




Add New Pet Page:
A form is displayed in the add pet section where you can add pet name, breed, owner information etc.



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



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.