



# North South University

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

## Project Proposal

### "Pet Care Management System"

DATABASE SYSTEM LAB

CSE311L

SECTION: 5

#### Course Faculty

Md. Ishan Arefin Hossain

#### Lab Instructor

Shuvodip Biswas

Name	ID
Md. Rafawat Islam	2122343642
Raisul Islam Kabbo	2222542042
Imtiaz Ahammed	2211585042

Date of Submission : 16 September , 2024

## **Introduction:**

The “Pet Care Record System” will be designed to solve the challenge of maintaining accurate records for pet owners, pet care providers and veterinarians. With the rising number of pet owners, there is an increasing demand for better management and care of pets. However, The current systems available in the market basically focus on manual appointments or basic information without storing deep and complete medical history, medication schedules or vaccination alerts. Pet care providers, clinics and veterinarians often struggle with maintaining accurate records of pet health conditions, medications, upcoming vaccination and general treatments.

This project aims to create a centralized digital database where all the relevant pet care information will be stored and easily accessible to the users.

## **Objectives:**

The primary objectives of Pet Care Record Systems are:

- To provide an easy and user-friendly platform for pet owners to manage and store records of their pets.
- To ensure that the pet providers can easily access vaccination schedules and medical needs to provide

appropriate care.

- Book and manage appointments with veterinarians.
- To create a system that supports grooming, vaccinations and general wellness tracking.

### **Target Customers:**

1. **Pet Owners:** Pet owners will use the system to manage their pet medical records, book appointments and receive reminders for vaccinations or treatments.
2. **Pet providers or clinics:** They will use this system to benefit from easy access to the pet records to ensure proper care and services.
3. **Veterinarians:** Veterinarians will access the system to track and update pet records, prescribe treatments for pet's care and manage their schedules.

### **Value Proposition:**

The "Pet Care Record System" will create value by offering a convenient, centralized platform for pet owners to manage all the pet related records, reducing the risk of losing important documents and ensuring timely vaccinations and treatments. It will ensure accuracy and accessibility by

providing real-time access to pet records for veterinarians and care providers, giving better coordination among pet owners, pet care providers and veterinarians, which will ultimately give more efficient pet care.

### **Features and Description:**

The features for the projects are:

- **Profile Creation:** pet owners can create profiles for each pet including medical history ,breed, age and other personal details.
- **Access and update:** Pet owners can access and update the details of their profile.
- **Medical Records:** The system will store and display all medical information including vaccinations, treatments and surgeries.
- **Book Appointments:** Schedule appointments with veterinarians for check-ups, vaccinations or treatments.
- **Reminders:** Receives notifications and reminders for vaccinations , grooming and medical check-ups.
- **Monitor Treatment:** Veterinarians can track ongoing treatment and vaccination schedules.
- **Manage Appointments:** Veterinarians can schedule,reschedule or cancel an appointment based on

availability.

- **Secure Data Sharing:** Pet owners can share medical records securely with veterinarians and providers or groomers.
- **Report and Analytics:** Generate reports on pet health progress and veterinary visits.
- **Feedback and Ratings:** Pet owners can provide ratings of the veterinarians based on their treatments and also can provide feedback about their experience.
- **Clinics Performance reports:** Pet care providers can generate reports on clinic performance, such as the number of appointments handled and feedback from the pet owners.

### **Tools and Resources:**

- HTML
- Javascript
- MySQL
- PHP
- Web server

## Challenges:

The potential challenges for this project will be:

- **Data Verification:** Ensuring pet records and other information are accurate will be a key challenge. Building an unfailing process for veterinarians and clinics to verify data before inputting it into the system will be necessary.
- **Data Privacy:** Ensuring that all pet records are stored securely and access will be restricted to authorized users.
- **User Adoption:** Encouraging pet owners and veterinarians to transition from traditional record-keeping to new digital platforms.
- **Cost Management:** Storing large amounts of data such as images, vaccination records and pet histories can lead to a good amount of maintenance cost.