



**Port City International University**

*Excellence in Higher Education*

**UGC & Govt. Approved University at Khulshi in Chittagong**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POR T CITY INTERNATIONAL UNIVERSITY**

7-14, Nikunja Housing Society, South Khulshi, Chattogram, Bangladesh

A Mini Project on

**PetShop Management System.**

**Course title: Software Engineering Sessional**

**Course Code: CSE 334**

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# **Petবন্ধু Documentation**

**Project Name:** Petবন্ধু

**Subtitle:** Pet Shop Management System

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**Submission Date:** 23 January 2025

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## Introduction

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### 1.1 Introduction

Pet**রক্ত** is an innovative, all-in-one pet shop management system designed to modernize and streamline operations, catering to a variety of customer needs. It offers pet adoption services for dogs, cats, birds, fish, and more, with detailed profiles to assist in informed choices, along with a vast selection of pet supplies, including food, toys, grooming products, and housing solutions. Additionally, it facilitates the booking of professional veterinary services for routine checkups, vaccinations, and emergency care, ensuring pets receive the best possible healthcare. With its user-friendly interface, automated inventory management, and secure data handling, Pet**রক্ত** bridges the gap between pet shops and pet enthusiasts, delivering a seamless, efficient, and comprehensive solution for modern pet shop management.

- **Petরক্ত:** All-in-one pet shop management system.
- Pet adoption: Dogs, cats, birds, fish, with detailed profiles.
- Supplies: Food, toys, grooming kits, and housing solutions.
- Veterinary services: Easy booking for quality pet care.
- Features: Inventory management and secure data handling.

### 1.2 Problem Statements

The **Petরক্ত** platform aims to simplify the pet adoption and management process for both pet owners and pet shops. Currently, many pet shops use outdated or inefficient systems to manage their inventory of pets, track customer information, and handle transactions. Pet shops often have separate forms for different types of pets (dogs, cats, birds, fish, etc.), which increases complexity and can lead to data inconsistencies.

The **Petরক্ত** system addresses these challenges by providing a unified and streamlined solution for managing pet data, sales, and customer interactions. It allows users to easily view, add, and manage pet listings, with a centralized form for all pet types that allows users to specify the breed, age, and other key details.

## 1.3 Motivations

- With every pet adopted, a life is transformed. Our project has the power to create many happy endings for animals in need.
- By addressing real issues like pet abandonment, we are doing more than just making exchanges. We are building strong, lasting bonds between pets and their new owners.
- Through creating an easy experience for new pet owners, we offer multiple services in one place.
- Through creating an easy experience for new pet owners, we offer multiple services in one place.

## 1.4 Existing App Review

Some existing Pet Shop App in Bangladesh & their lacking are described below:



PetcoBD



MEW MEW SHOP BD

## 1.5 Objectives

- For safe pet adoptions

Create a secure platform where people can easily find and adopt pets from others, ensuring a smooth and safe adoption process.

- For a one-stop solution

Build a platform that covers all pet needs adoption, shopping, and healthcare in one easy-to-use space

- For promoting responsible pet ownership

Encourage users to be caring pet owners by sharing helpful information on pet care, health, and welfare.

- From our love for animals

Inspire others to join us in building a kinder world for pets.

## Chapter 2

### Project Description

---

**Petরক্ত** is a versatile pet shop management system available as a web and Android-based platform. The Android application is designed for customers, while the web panel is managed by shop admins. Users need to install the application to access its features. After installation, they are greeted with a simple and attractive home interface, providing easy navigation. The system is designed to streamline pet adoption, product purchases, and veterinary service bookings.

#### 2.1 Project Description

- **Petরক্ত** is a web and Android-based pet shop management system.
- Customers can explore advanced pet adoption and product search features.
- The system ensures nationwide accessibility with ease of use.
- It includes an interactive web panel for admins.
- Users can adopt pets, purchase products, and book veterinary services, while admins can manage inventory and monitor operations seamlessly.

#### 2.2 Advantages of the Proposed System

- User-friendly and easy to operate.
- Portable and accessible from mobile and web.
- Intuitive and modern user interface.
- Faster and more interactive pet adoption and service booking process.
- Dynamic search options for pets, products, and services.
- Bridges the communication gap between pet shops and customers.

## 2.3 Project Overview

The system focuses on providing an efficient platform for customers, admins, and pet suppliers. **Petরক্তি** aims to create a seamless experience by offering adoption services, a variety of pet supplies, and healthcare bookings. In a competitive market, **Petরক্তি** stands out by delivering value and convenience in managing pet shop operations.

## 2.4 User Interface (App)

The user panel in the Android application allows customers to:

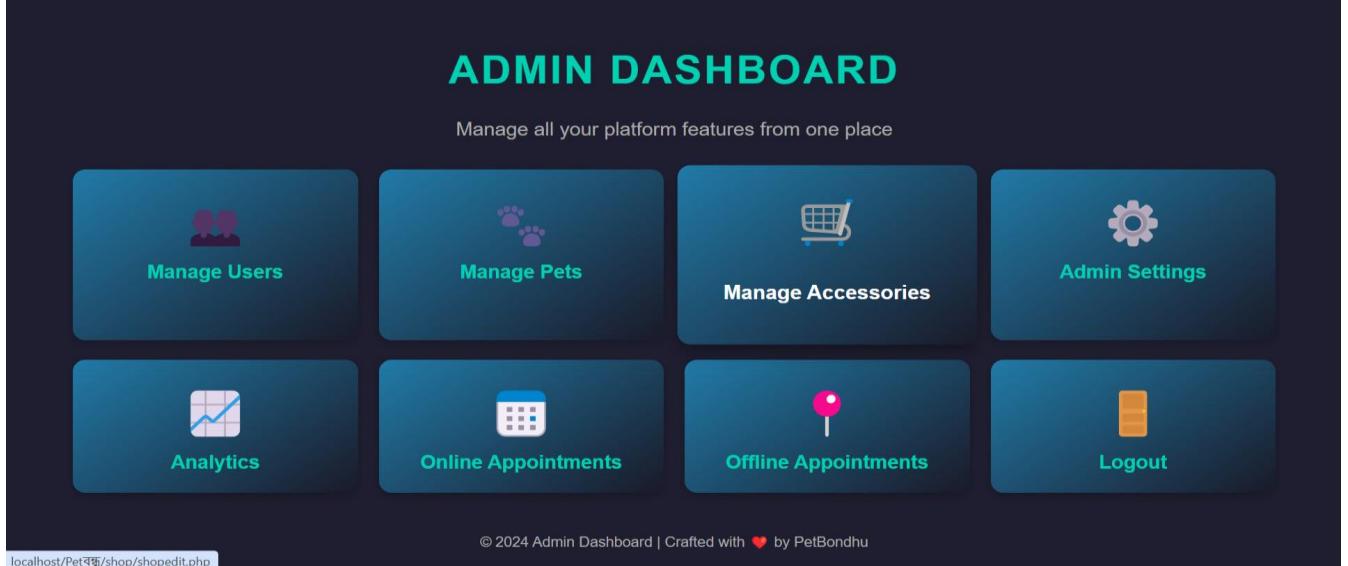
- Complete a quick signup process.
- Search for pets, supplies, and services using categories and filters.
- View detailed profiles of pets and products.
- Book veterinary services directly from the app.

## 2.5 Admin Interface (Web Panel)

The admin dashboard in the web panel provides versatile management capabilities with 08 sections:

1. Manage User
2. Manage Pets
3. Manage Accessories
4. Admin Setting
5. Analytics
6. Online Appointments
7. Offline Appointments
8. Logout

Admins can manage pet profiles, product inventories, order statuses, and service bookings. The system ensures an interactive and efficient experience for shop owners.



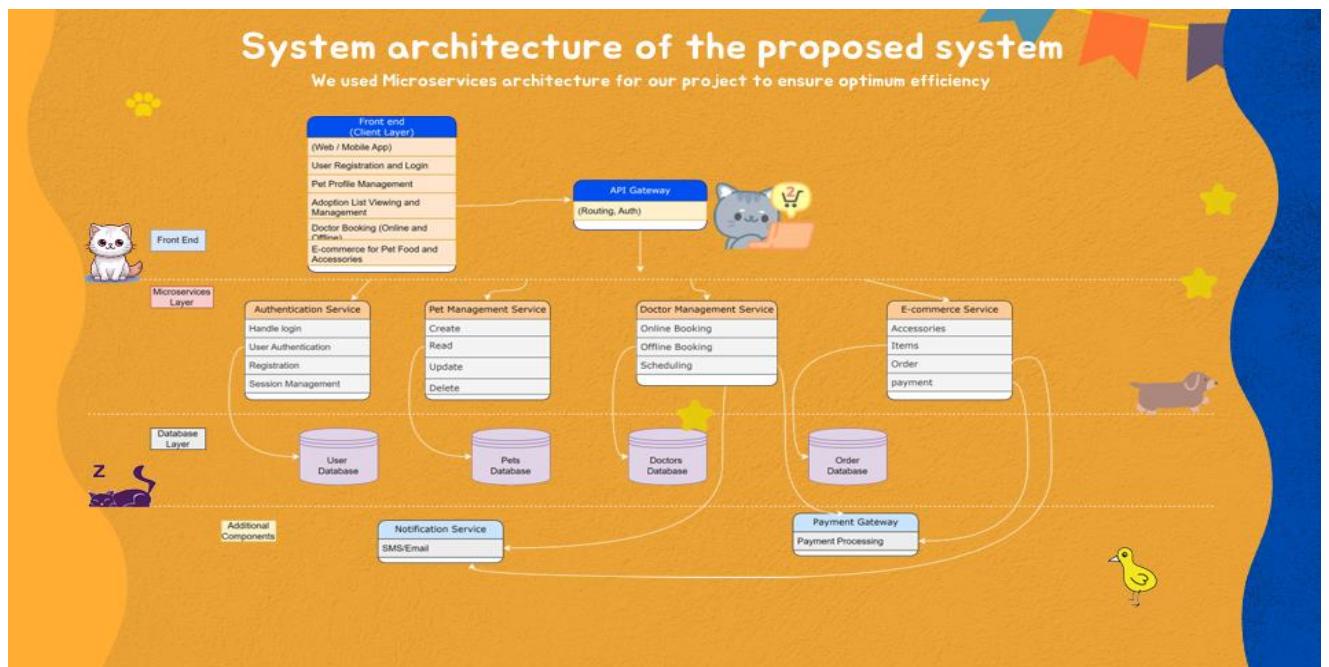
**Figure 2.1: Admin Interface.**

## 2.6 System Architecture

The system is divided into two main components:

1. **Web Panel:** Managed by the admin to control all aspects of the system.
2. **Android App:** Used by customers to explore pets, products, and services.

Both components require secure login with a username and password. After logging in, users and admins can access the homepage to explore all functionalities.



**Figure 2.2: System Architecture.**

## System Technologies Used

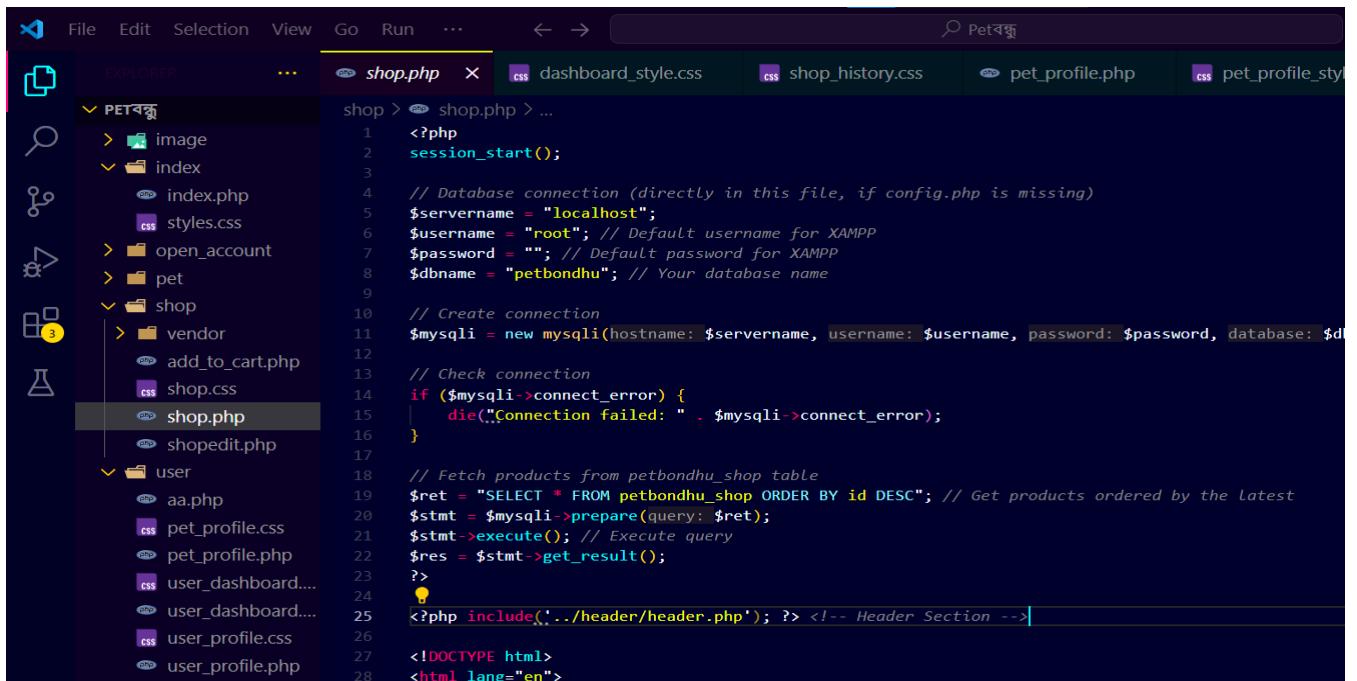
### 3.1 Technologies

#### 3.1.1 Backend: PHP

PHP serves as the backbone of Petরঞ্জু's dynamic functionality. It processes user actions, interacts with the database, and generates real-time content on the web pages.

#### 3.1.2. Frontend: CSS and Bootstrap

- **CSS:** Custom styles enhance the visual appeal and usability of the platform.
- **Bootstrap:** Utilized for responsiveness and consistent design, making the platform visually appealing and functional on any device.



The screenshot shows a code editor interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, ...
- Search Bar:** Petরঞ্জু
- Explorer:** Shows a file tree for a project named "PETরঞ্জু". The "shop" folder is expanded, showing files like "shop.php", "shop.css", and "shopedit.php". Other folders include "index", "pet", and "user".
- Code Editor:** The "shop.php" file is open. The code is a PHP script that connects to a MySQL database named "petbondhu" on "localhost" using "root" as the username and an empty password. It fetches products from the "petbondhu\_shop" table and includes a header file at the top.

```
<?php
session_start();

// Database connection (directly in this file, if config.php is missing)
$servername = "localhost";
$username = "root"; // Default username for XAMPP
$password = ""; // Default password for XAMPP
$dbname = "petbondhu"; // Your database name

// Create connection
$mysqli = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($mysqli->connect_error) {
    die("Connection failed: " . $mysqli->connect_error);
}

// Fetch products from petbondhu_shop table
$ret = "SELECT * FROM petbondhu_shop ORDER BY id DESC"; // Get products ordered by the latest
$stmt = $mysqli->prepare(query: $ret);
$stmt->execute(); // Execute query
$res = $stmt->get_result();
?>
<?php include('../header/header.php'); ?> <!-- Header Section -->
<!DOCTYPE html>
<html lang="en">
```

Figure 3.1: Frontend: CSS & Bootstrap.

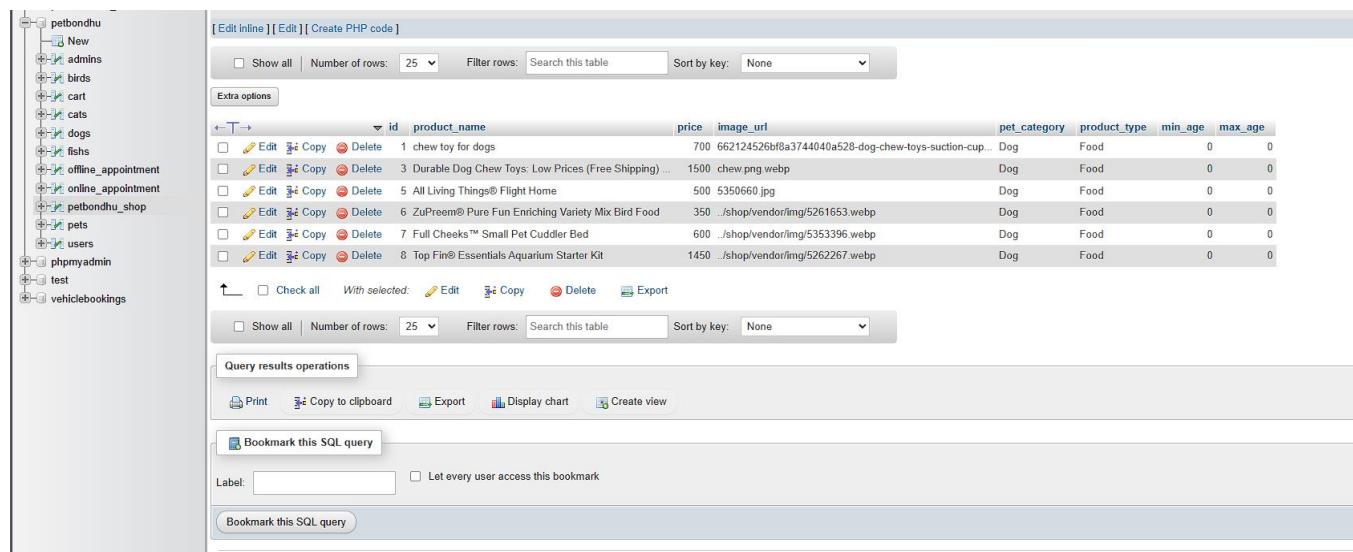
#### 3.1.3. Local Hosting: XAMPP

XAMPP is used as the development environment, providing Apache for hosting and MySQL for database management. This setup simplifies testing and debugging during development.

### 3.1.4. Database: MySQL

A structured MySQL database supports the system by storing essential data:

- **Users Table:** Stores user registration details and login credentials.
  - **Pets Table:** Holds detailed information about pets, including uploaded images.
  - **Cart Table:** Tracks items added to the user's shopping cart.
  - **Appointments Tables:** Records offline and online vet appointment details, allowing users to review their session history.



**Figure 3.2: Database: MySQL.**

### **3.2. System Requirements**

### **3.2.1 Hardware Requirements**

- **Processor:** Minimum dual-core processor for smooth performance.
  - **RAM:** 4 GB or higher is recommended.
  - **Storage:** At least 500 MB of free disk space.
  - **Display:** A screen resolution of 1024x768 or higher is optimal.

### **3.2.2 Software Requirements**

- **Operating System:** Compatible with Windows 7 or newer, Linux, and macOS.
  - **Local Server:** XAMPP or any other local server that supports PHP and MySQL.

- **Web Browser:** Latest versions of Chrome, Firefox, or Edge are recommended for the best experience.

### **3.3 Installation and Setup Guide**

#### **3.3.1. Installing XAMPP**

1. **Download XAMPP:** Visit [apachefriends.org](http://apachefriends.org) to download the latest version of XAMPP.
2. **Install:** Run the installer and follow the setup instructions. Choose PHP and MySQL during installation.
3. **Launch Services:** Open the XAMPP Control Panel and start Apache and MySQL.

#### **3.3.2 Importing the Database**

1. **Access phpMyAdmin:** Navigate to <http://localhost/phpmyadmin> in your browser.
2. **Create Database:** Create a new database named Petবন্ধু.
3. **Import SQL File:** Use the "Import" feature to upload the provided SQL file, which creates the necessary tables and preloads data if available.

#### **3.3.3 Configuring the Project Files**

1. **Place the Project Folder:** Copy the Petবন্ধু folder into the htdocs directory within your XAMPP installation.
2. **Edit Database Configuration:**
  - Open the config.php file (or equivalent configuration file).
  - Update the database credentials as follows:

```
php
CopyEdit
$host = 'localhost';
$dbname = 'petbondhu';
$username = 'root';
$password = '';
```

3. **Access the Project:** Start your local server and navigate to <http://localhost/Petবন্ধু> in your web browser.

## System Analysis

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### 4.1 Introduction

A system is a structured and organized entity designed to meet specific physical and functional needs. It provides a solution that highlights key attributes, efficiencies, and characteristics, ensuring value and effectiveness for organizations, clients, or stakeholders. To address business needs or objectives, the requirements must be clearly documented, measurable, feasible, and testable.

### 4.2 System Analysis

Requirement analysis focuses on identifying the conditions necessary for the success of a new or modified product. It is essential to the success of any system or software project.

- **Elimination of Manual Processes:** The "Petরক্তি" system will replace manual processes, significantly reducing paperwork and improving efficiency.
- **Authentication:** Only authorized users (e.g., admin) can access system functionalities through secure login credentials.

### 4.3 Information About Process

The Petরক্তি system will be operated by both users and administrators. This project focuses on streamlining the pet shop management process. Key features include consolidating various forms into a universal form for managing animal data, enabling efficient pet adoption and purchase, and integrating services like medical assistance and product sales. The goal is to ensure seamless management while adding significant value to pet shop operations and user experience.

### 4.4 ER Diagram

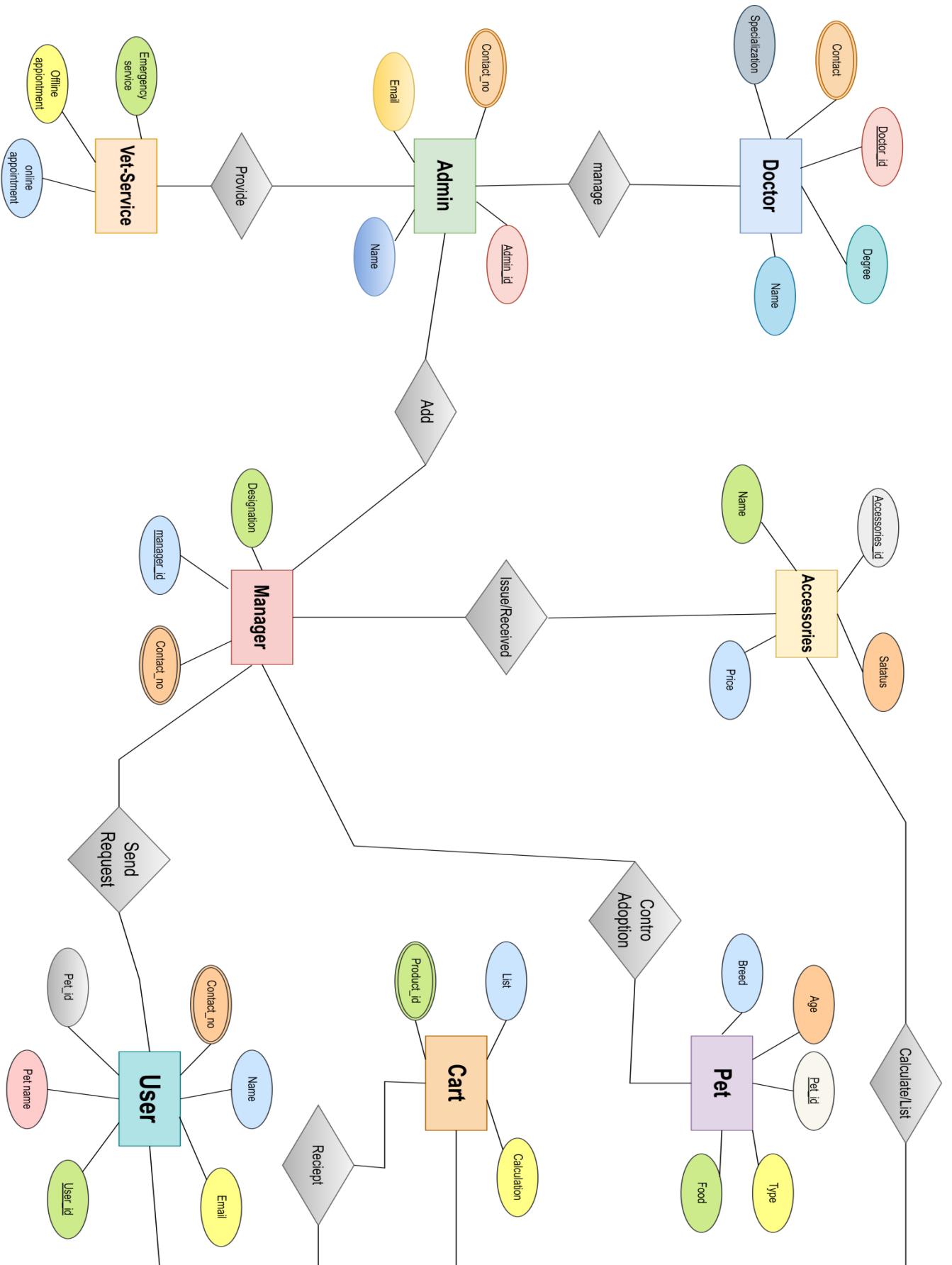


Figure 4.1: ER diagram of PetClinic system.

## System Implementation

### 5.1 Admin Panel

The Admin Panel of PetBondhu:

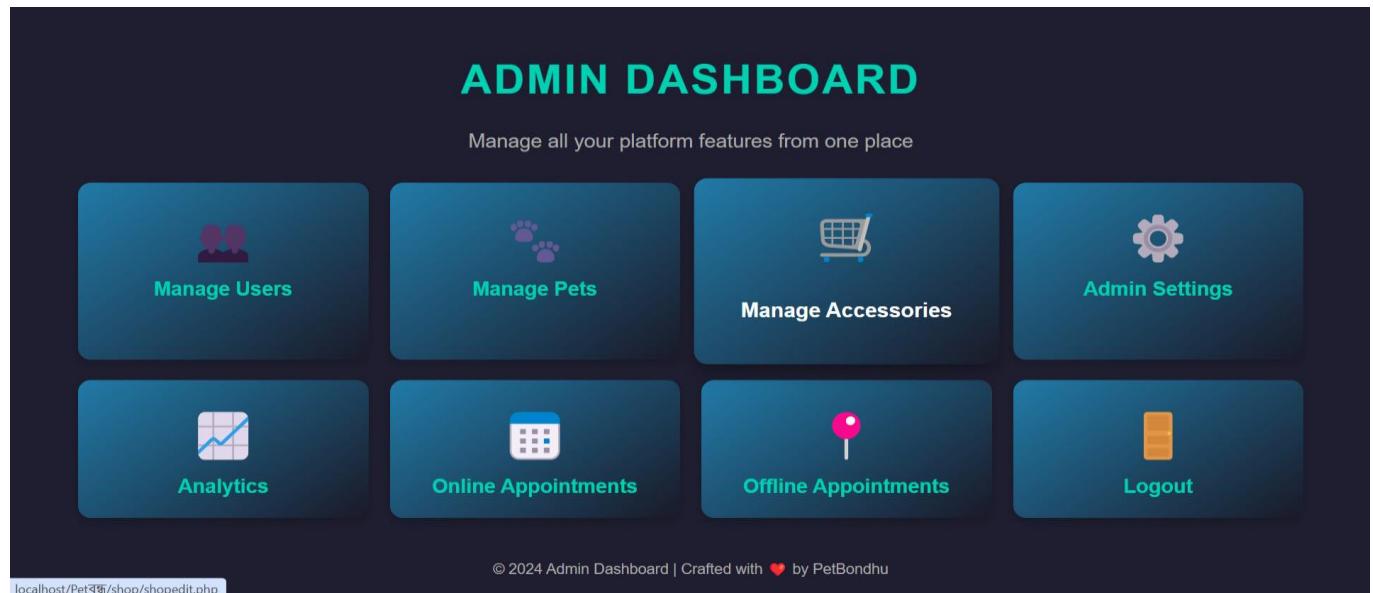


Figure 5.1: Admin Interface.

#### 5.1.1 Manage Users:

Admin can control or manage user profile.

ID	Photo	Username	Email	Address	Actions			
1		Antor	asdasd@gmail.com		Antor	asdasd@gmail.com		<input type="button" value="Choose File"/> No file chosen <input type="button" value="Update"/> <input type="button" value="Delete"/>
2		Antor	asda@gmail.com		Antor	asda@gmail.com		<input type="button" value="Choose File"/> No file chosen <input type="button" value="Update"/> <input type="button" value="Delete"/>
4		janie	janiemon@gmail.com	adsasdasdasdasdeasd	janie	janiemon@gmail.com	adsasdasdasdasdeasd	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Update"/> <input type="button" value="Delete"/>
6		aaa	aaa@gmail.com	asdadasdad	aaa	aaa@gmail.com	asdadasdad	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Update"/> <input type="button" value="Delete"/>

Figure 5.2: Manage User Interface.

## 5.1.2 Adding and managing pets

In Petরক্ত animals are added for three main purposes:

1. For Adoption
2. For Pet profile

Adoption is a core feature of our application. Users can post for adoption by creating a pet profile where all the information regarding the animal will be stored. Also admin can add animals for adoption. We provide this functionality on both admin and user panel.

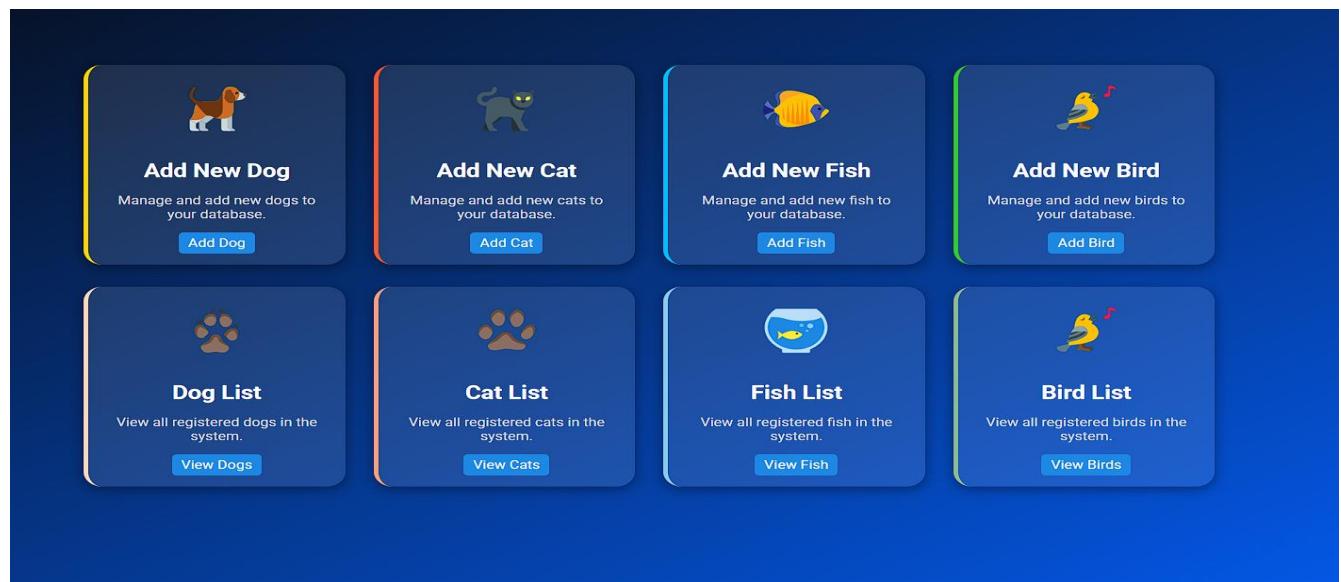


Figure 5.3: Manage Pet Interface.

### Pet Profile:

Pet profile enables the system to provide services like vet service and adoption service. The pet profile contains all the necessary information about the animal. Which then ease the user to adopt an animal with knowing all the vital information like the age, gender, medical history etc. User can create pet profile for multiple animals. Admin can add pets to adoption list. They can also give pet information to the vets to analyze and diagnose.

## 5.1.3. Inventory Management

Petরক্ত integrates a robust inventory management system tailored for pet-related products and services.

- **Shop:** Users can explore an array of products, including pet food, accessories, and grooming supplies.

- **Cart Management:** The cart system allows users to add products, manage quantities, and view a summary of their selected items.
- **Seamless Checkout:** With a user-friendly checkout process, the platform ensures hassle-free transactions.

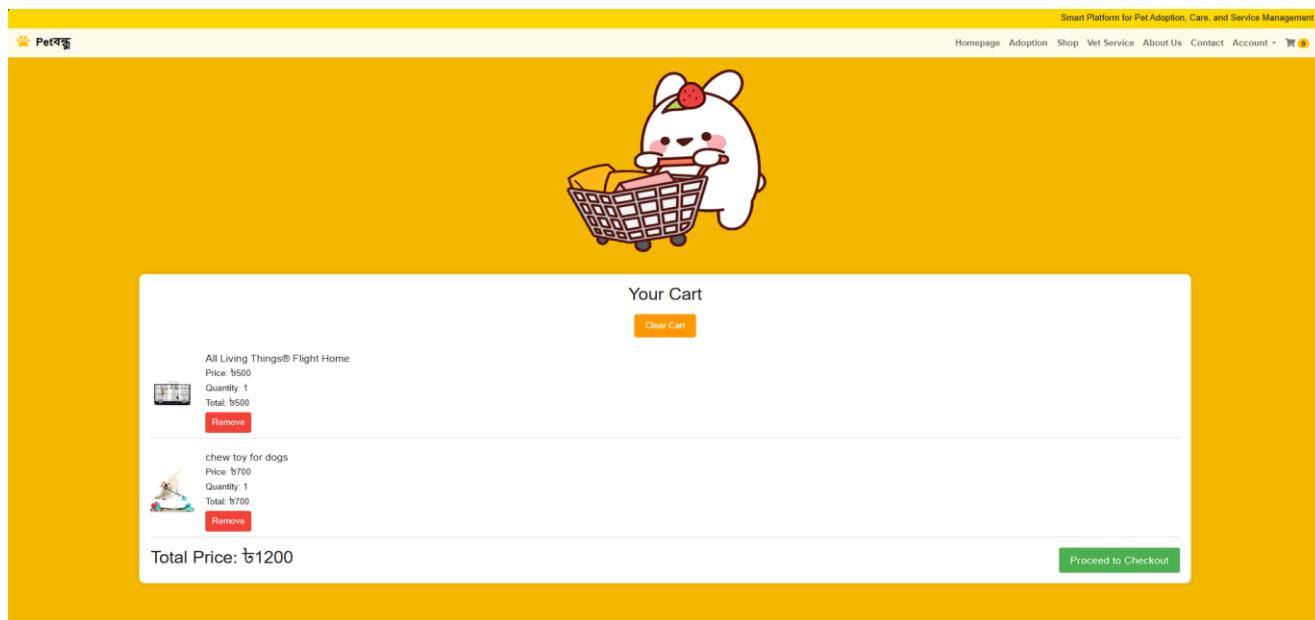


Figure 5.4: Cart Interface.

- **Database-Driven:** All cart and product data is dynamically fetched and updated from the MySQL database, ensuring consistency.
- **Management:** Inventory can be managed by admins from a built in page. From this page admins can add, remove or update inventories;



Figure 5.5: Managing Product Interface.

Here is the Shop edit page. Admins can explore what they want from these dropdown menus to manage inventory.

#### 5.1.4. Admin Setting

The admin has the authority to create, edit, or remove other admin accounts within the system. This includes updating login credentials, assigning roles, and modifying privileges.

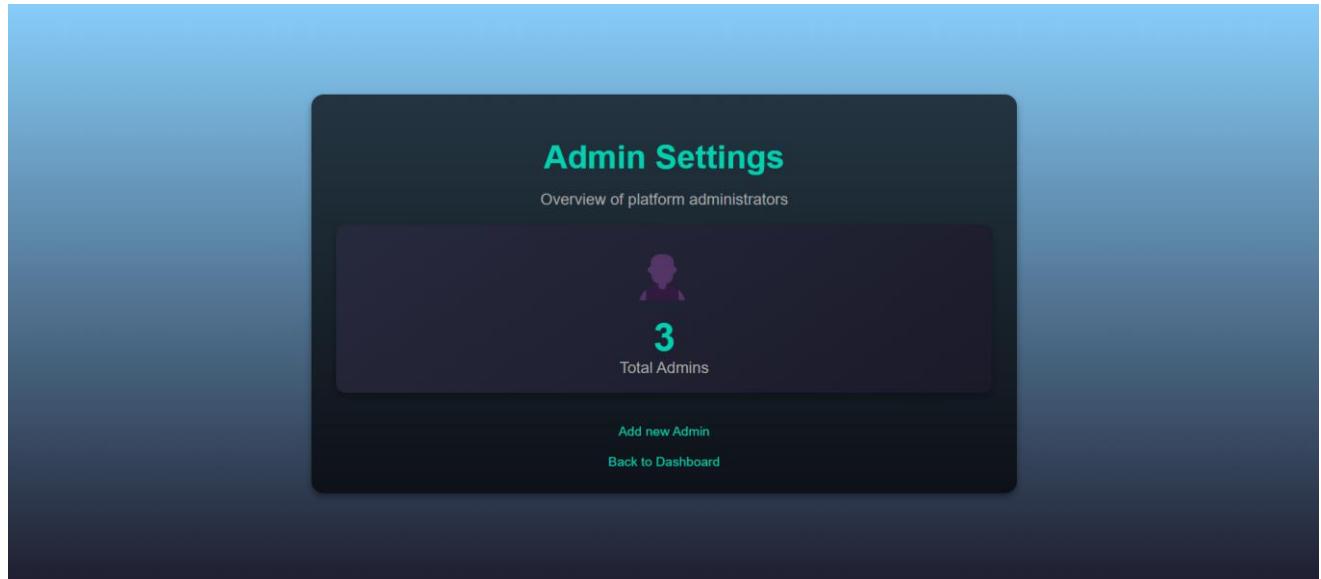


Figure 5.6: Admin Setting Interface.

### 5.1.5. Analytics

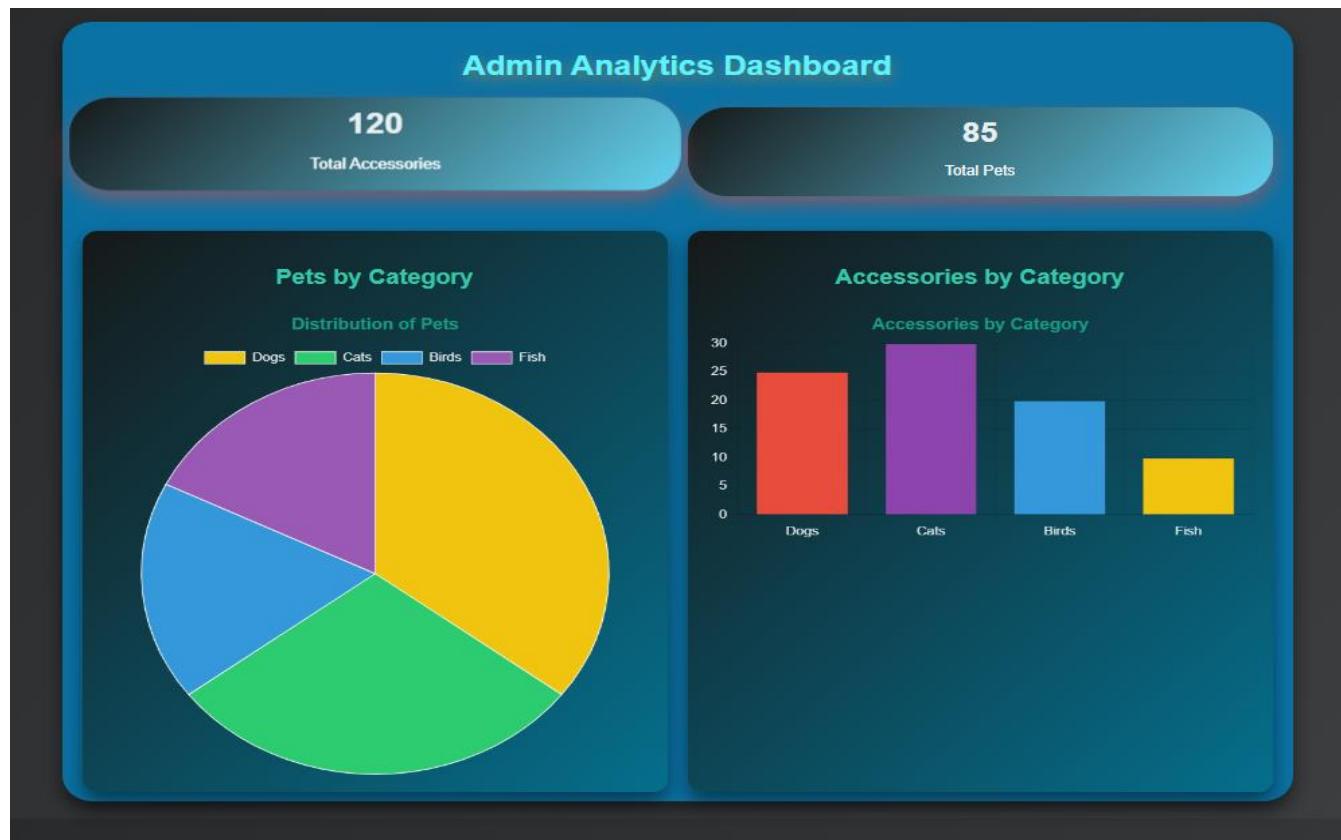


Figure 5.7: Admin Analytics Interface.

### 5.1.6. Online Appointments List

Online Appointments								
Appointment ID	Pet Type	Service Type	Pet Condition	First Name	Last Name	Email	Consultation Date	Actions
1	Dogs	Vaccination	nothing	janie	faria	cangaroguy272@gmail.com	2024-12-27	<button>Approve</button> <button>Delete</button>
2	Cats	Dental Care	so much pain	antor	khan	cangaroguy272@gmail.com	2024-12-28	<button>Approve</button> <button>Delete</button>

Figure 5.8: Online Appointment List Interface.

### 5.1.7. Offline Appoints List

OFFLINE APPOINTMENTS									
APPOINTMENT ID	OWNER NAME	PET TYPE	CONSULTATION LOCATION	SELECTED LOCATION	OWNER CONTACT	SYMPOMTS	PREFERRED DATE	ACTIONS	
1	John Doe	Dog	Home Visit	Dhaka	0123456789	Frequent sneezing	2024-12-25	<button>APPROVE</button> <button>DELETE</button>	
2	Jane Smith	Cat	Clinic	Chattogram	0198765432	Loss of appetite	2024-12-26	<button>APPROVE</button> <button>DELETE</button>	
4	Anika Tasnin	Cats	home	Chattogram	123456	pragntent	2024-12-28	<button>APPROVE</button> <button>DELETE</button>	

Figure 5.9: Offline Appointment List Interface.

### 5.1.8. User-Friendly Interface

Petরক্তি's user interface is thoughtfully designed to provide a seamless experience:

- Responsive Design:** Built with CSS and Bootstrap, the interface adapts perfectly to different screen sizes, ensuring usability across desktops, tablets, and smartphones.
- Navigation:** A modern and intuitive navigation bar provides dropdown menus and quick access to features like adoption services, shop, vet appointments, and user profiles.
- Secure Access:** User authentication is implemented, enabling users to log in securely and access personalized dashboards.

## 5.2 User Panel

User Panel for Petবন্ধু:

### 5.2.1. Homepage:

Opening website interface of Petবন্ধু.

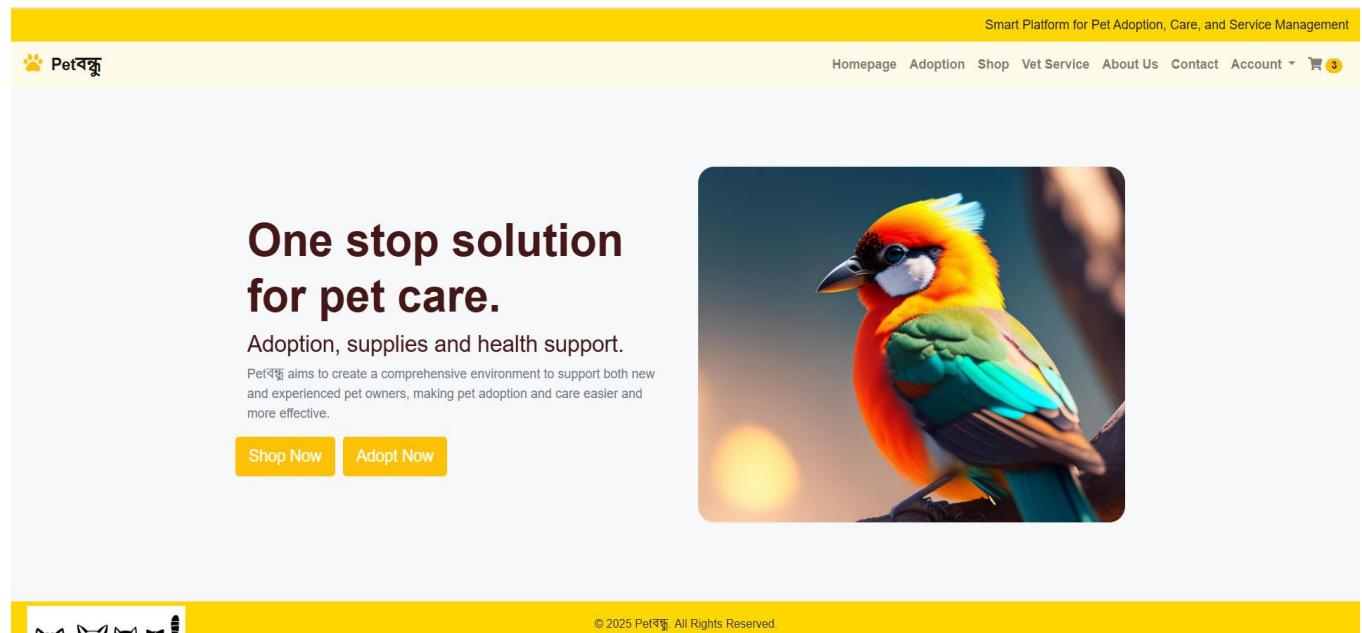


Figure 5.10: Homepage Interface.

### 5.2.2. Available pet lists for adoption

List of categories in Petবন্ধু website.



Figure 5.11: Animal Categories Interface.

## Dogs Categories:

Filtering form and list of dogs which are available in Petরঞ্জি website.

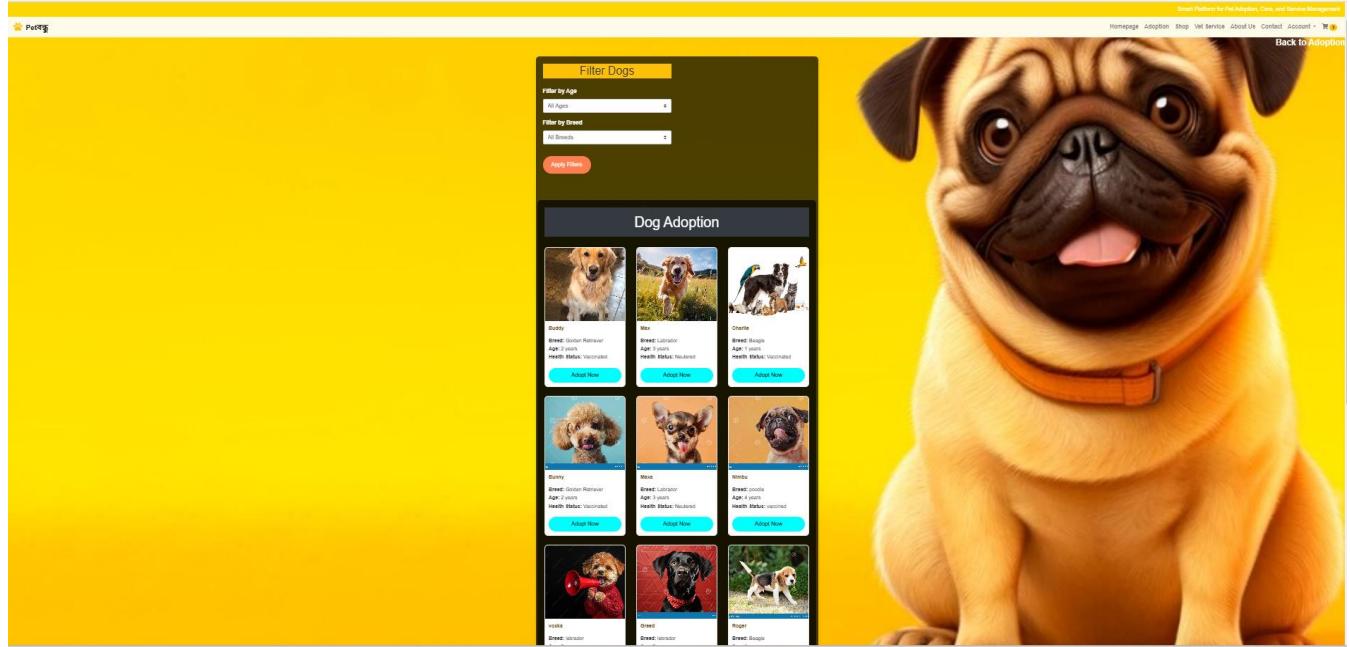


Figure 5.12: Dogs List Interface.

## Cats Categories:

Filtering form and list of cats which are available in Petরঞ্জি website.

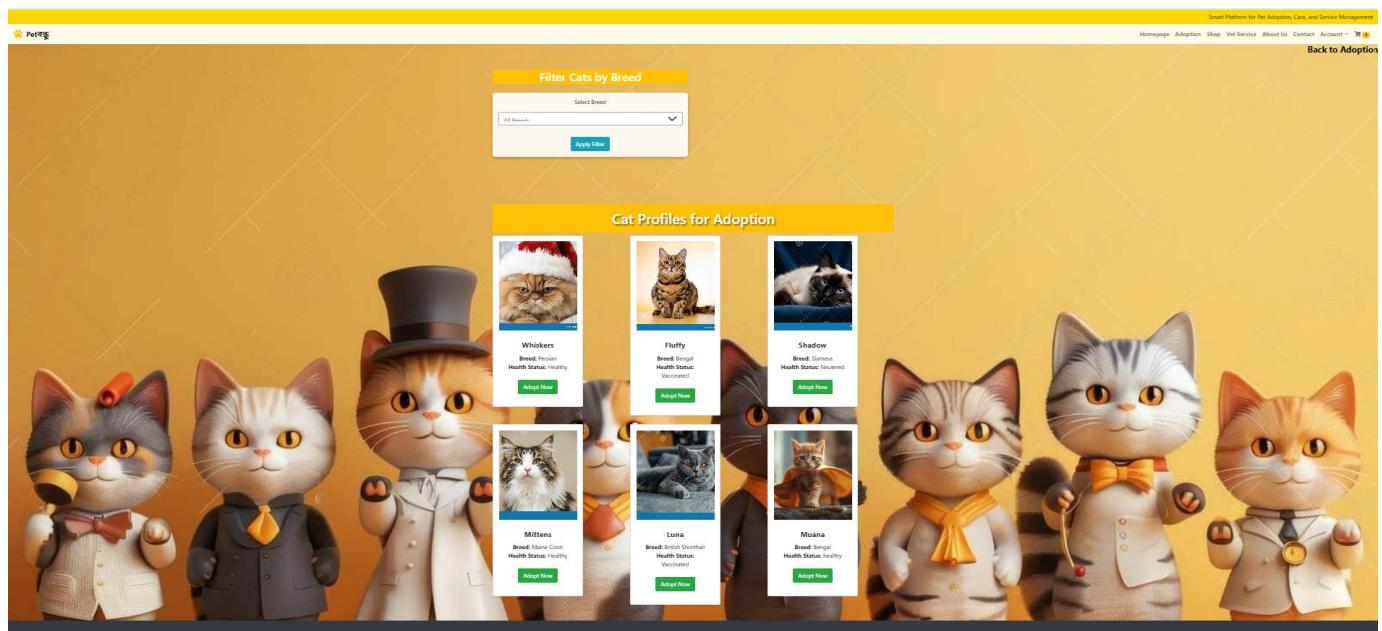


Figure 5.13: Cats List Interface.

## Birds Categories:

Filtering form and list of birds which are available in Petরাষ্ট্র website.

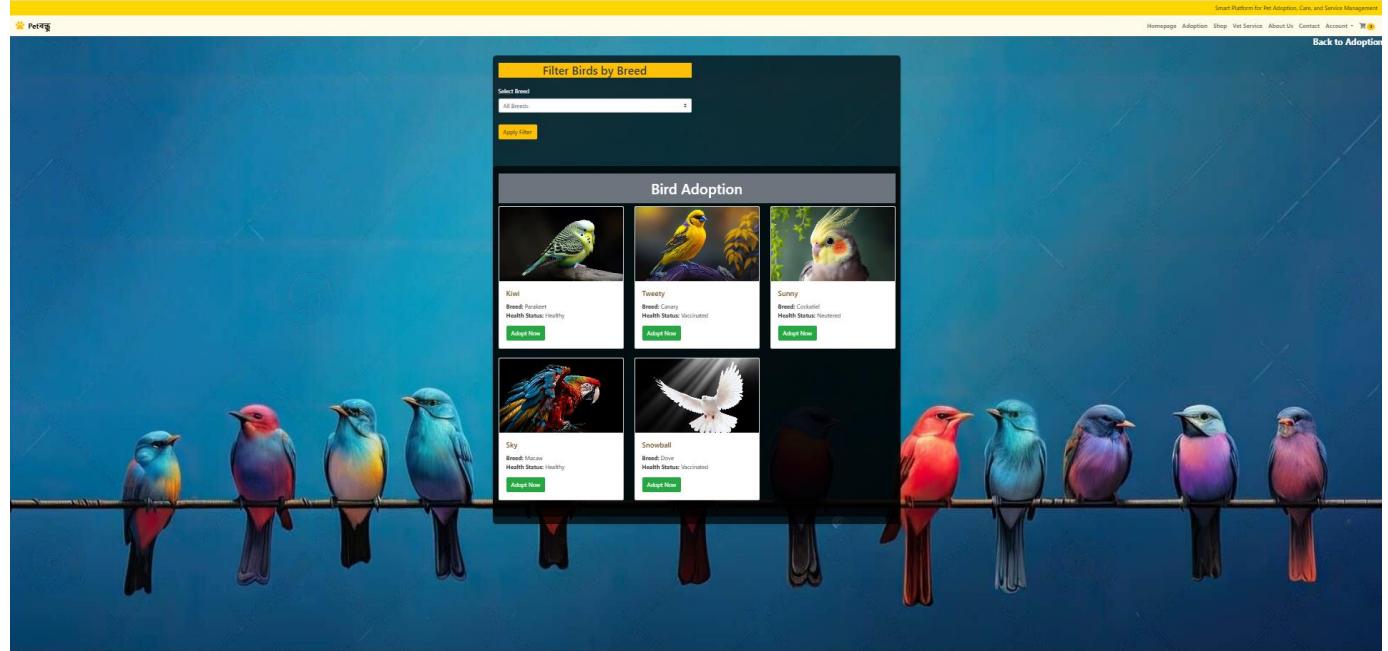


Figure 5.14: Birds List Interface.

## Fishes Categories:

Filtering form and list of fishes which are available in Petরাষ্ট্র website.

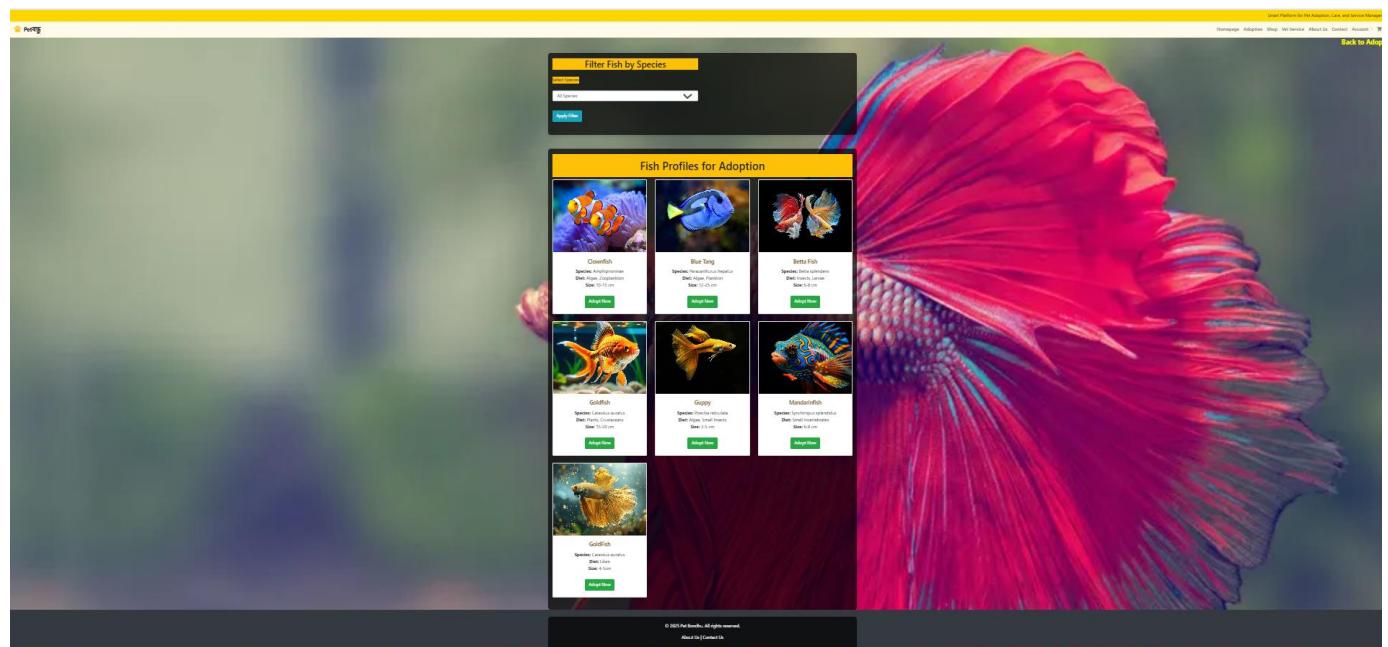


Figure 5.15: Fishes List Interface.

### 5.2.3. Shop

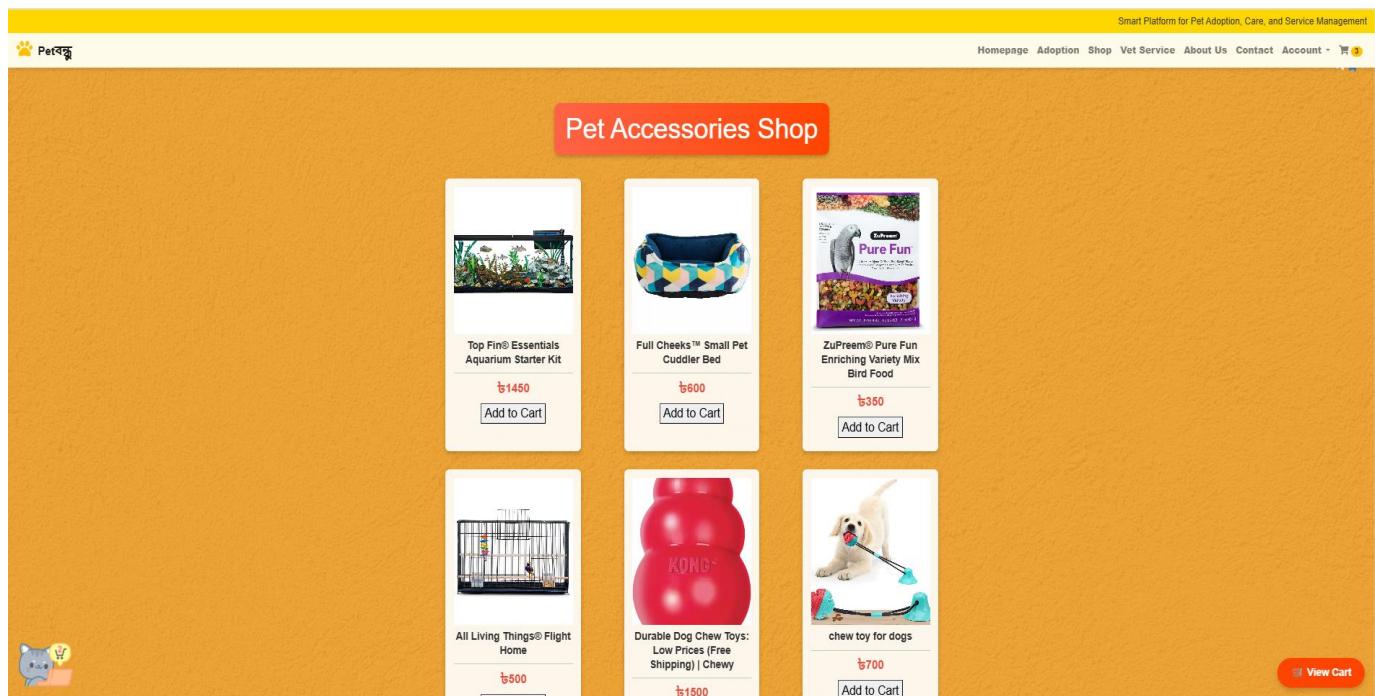


Figure 5.16: Accessories Categories Interface.

### View Cart:

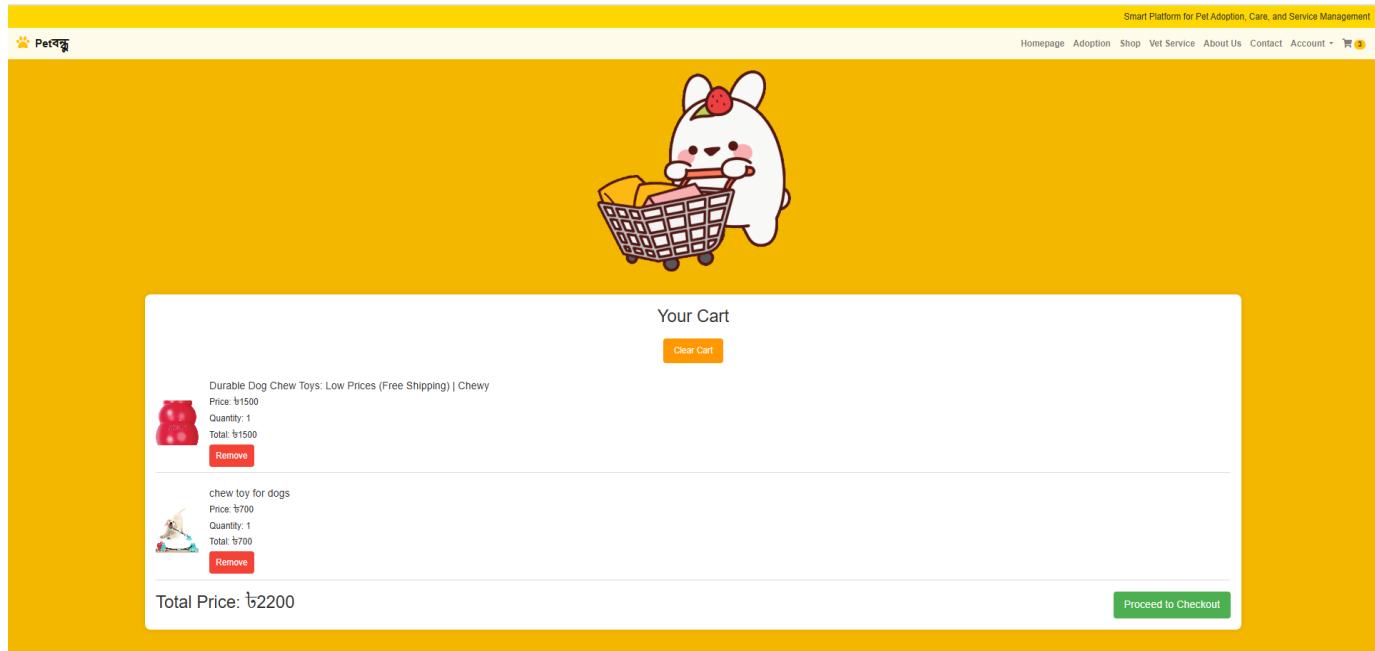


Figure 5.17: View Cart Interface.

## 5.2.4. Vet service

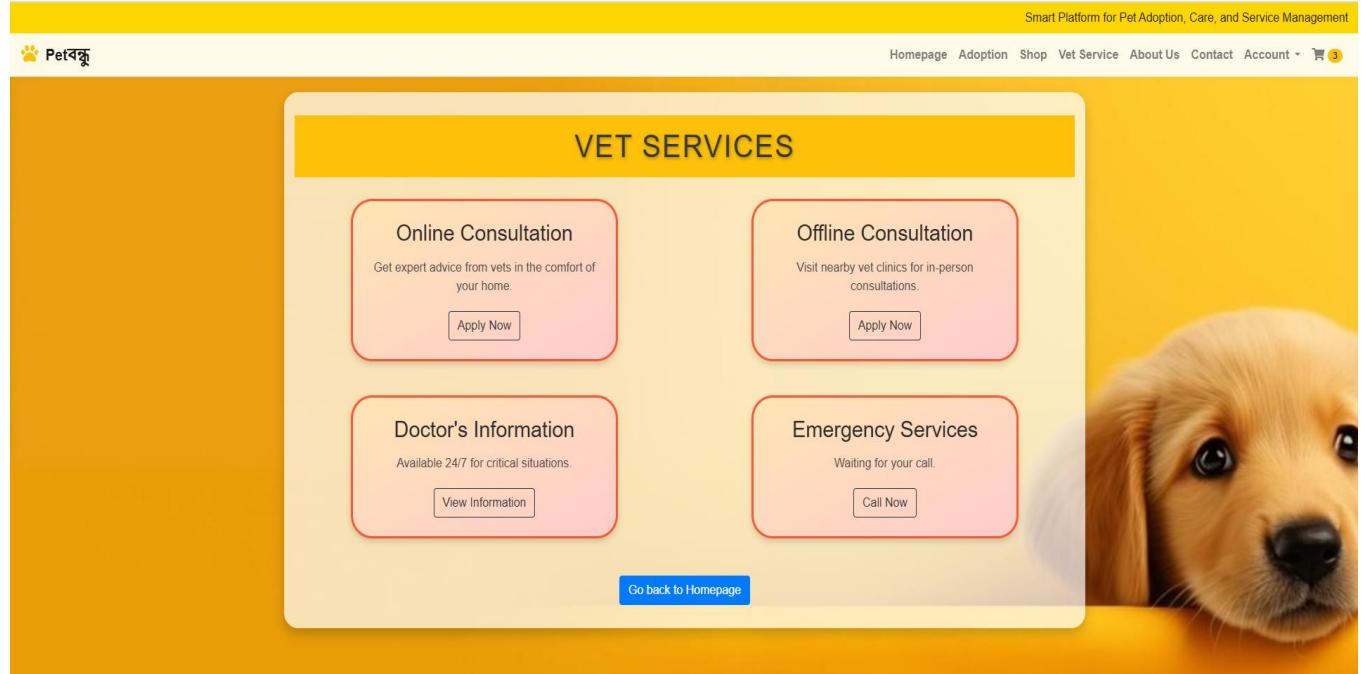


Figure 5.18: Vet Service Interface.

## 5.2.5. About Us

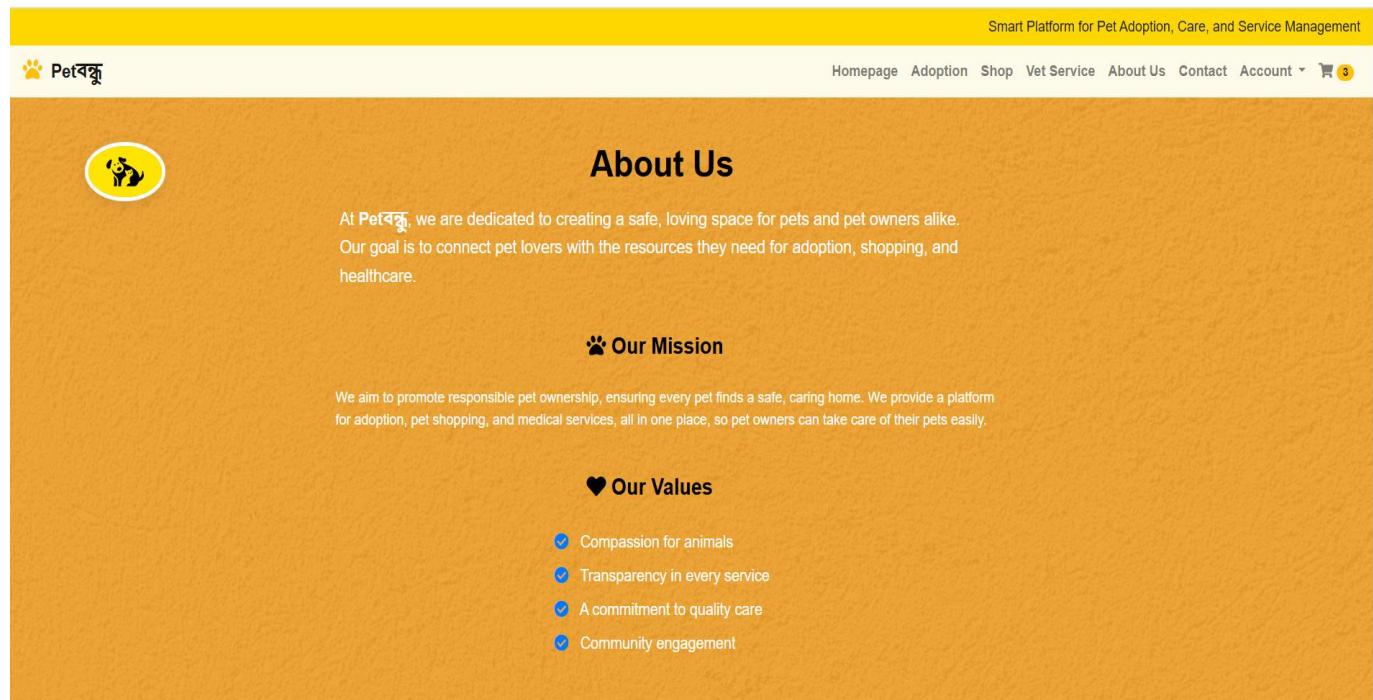


Figure 5.19: About Us Interface.

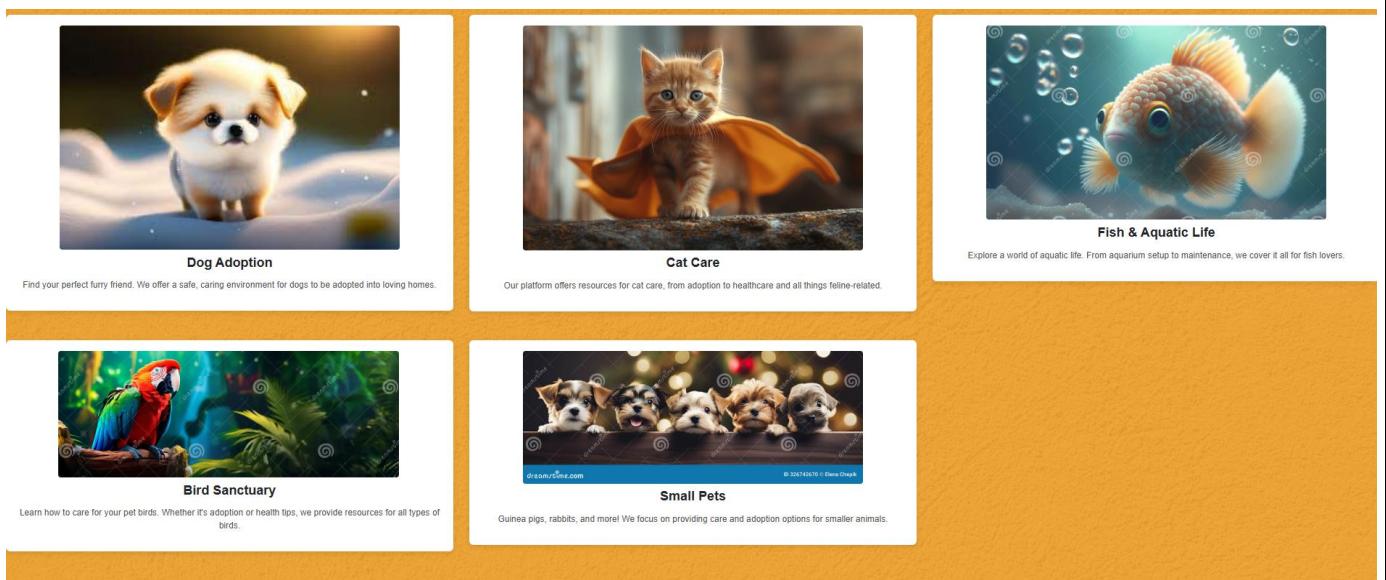


Figure 5.20: About Us Interface.

## 5.2.6. Contact Now

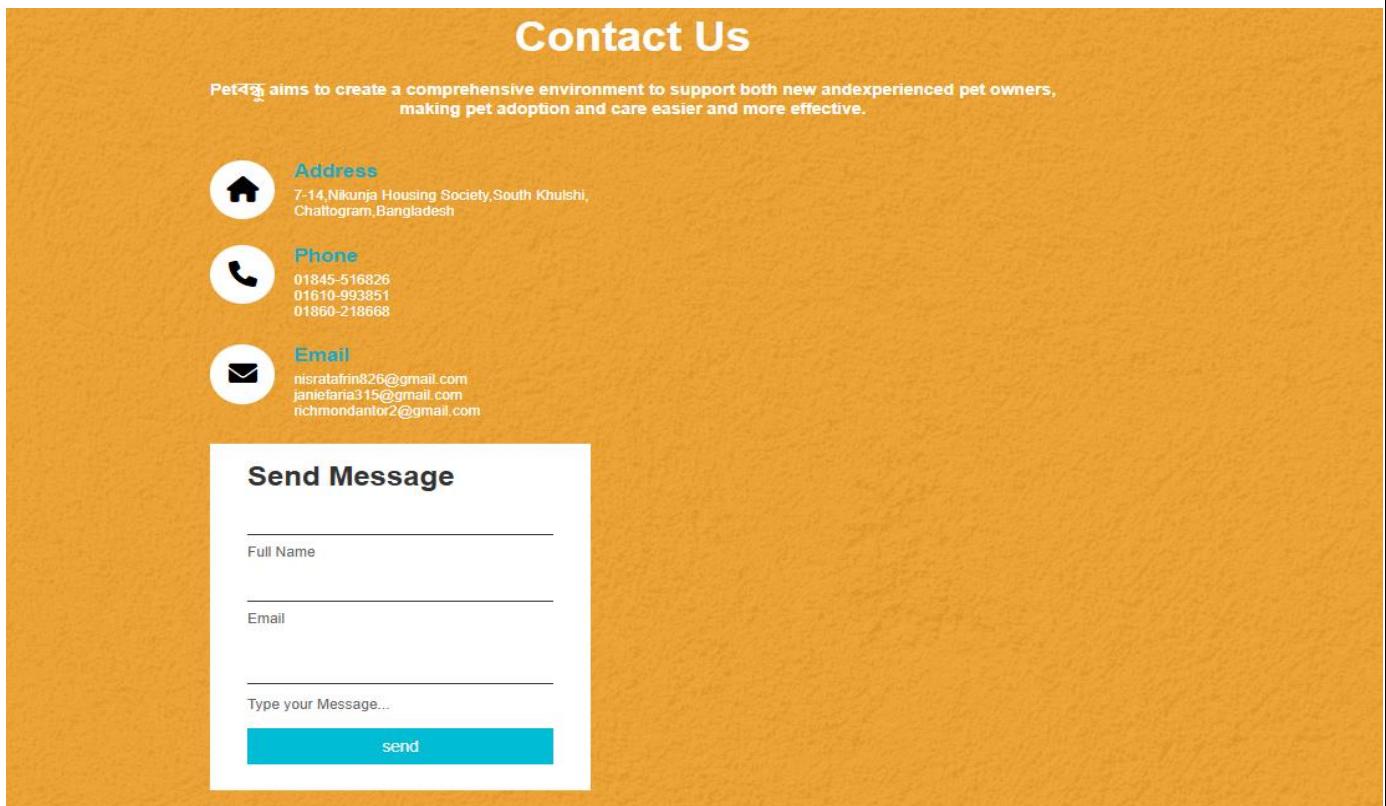


Figure 5.21: Contact Us Interface.

## 5.2.7. User Dashboard

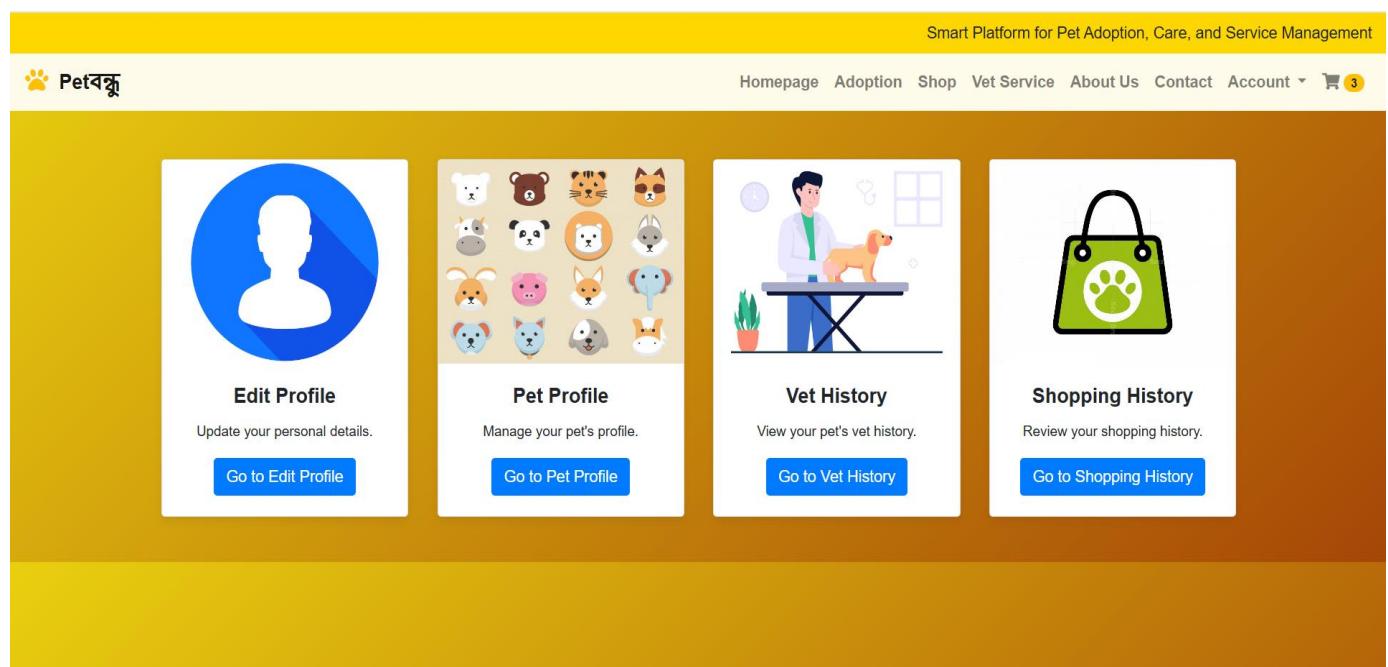


Figure 5.22: User Dashboard Interface.

## Vet history:

The screenshot shows the "Veterinary History" interface. At the top center, it says "Veterinary History" and "Online Appointments". Below that is a table with the following data:

Pet Type	Service Type	Pet Condition	Owner Name	Email	Consultation Date	Created At
Dogs	Vaccination	nothing	janie faria	cangaroguy272@gmail.com	2024-12-27	2024-12-24 18:23:27
Cats	Dental Care	so much pain	antor khan	cangaroguy272@gmail.com	2024-12-28	2024-12-24 18:24:13

Below the table is a section titled "Offline Appointments" with another table:

Owner Name	Pet Type	Preferred Date	Consultation Location	Selected Location	Owner Number	Symptoms	Created At
John Doe	Dog	2024-12-25	Home Visit	Dhaka	0123456789	Frequent sneezing	2024-12-24 19:56:06
Jane Smith	Cat	2024-12-26	Clinic	Chattogram	0198765432	Loss of appetite	2024-12-24 19:56:06
Anika Tasnin	Cats	2024-12-28	home	Chattogram	123456	pragrent	2024-12-25 14:30:52

At the bottom right of the interface is a "Back to Dashboard" button.

Figure 5.23: Vet History Interface.

## Shopping history

The screenshot shows a user interface for a pet adoption, care, and service management platform. At the top, there's a navigation bar with links for Homepage, Adoption, Shop, Vet Service, About Us, Contact, Account, and a shopping cart icon. Below the navigation is a section titled "Your Shopping History" which displays a grid of six product items:

- chew toy for dogs**: Price: \$7.00, Category: Dog, Type: Food, Age Suitability: 0 to 8 years.
- Durable Dog Chew Toys: Low Prices (Free Shipping) | Chewy**: Price: \$15.00, Category: Dog, Type: Food, Age Suitability: 0 to 8 years.
- All Living Things® Flight Home**: Price: \$15.00, Category: Dog, Type: Food, Age Suitability: 0 to 8 years.
- ZuPreem® Pure Fun Enriching Variety Mix Bird Food**: Price: \$3.50, Category: Dog, Type: Food, Age Suitability: 0 to 8 years.
- Full Cheeks™ Small Pet Cuddler Bed**: Price: \$6.00, Category: Dog, Type: Food, Age Suitability: 0 to 8 years.
- Top Fin® Essentials Aquarium Starter Kit**: Price: \$14.50, Category: Dog, Type: Food, Age Suitability: 0 to 8 years.

Figure 5.24: Shopping History Interface.

## Chapter 6

### Tables

#### 6.1 Admin Table

The screenshot shows a database table named "admin" with the following columns: id, admin\_name, admin\_password, admin\_email, admin\_phone, and admin\_role. There are three rows of data:

	id	admin_name	admin_password	admin_email	admin_phone	admin_role
<input type="checkbox"/>	1	Antor	123	richantor345@gmail.com	123456	super Admin
<input type="checkbox"/>	2	Janie	123	janiefaria67@gmail.com	123456	super Admin
<input type="checkbox"/>	3	Israt	123	gfg345@gmail.com	123456	super Admin

Below the table are standard database navigation controls: Show all, Number of rows (set to 25), Filter rows, Search this table, Sort by key (None), and Extra options.

Figure 6.1: Admin Table

#### 6.2 User Table

The screenshot shows a database table named "user" with the following columns: user\_id, username, email, password\_hash, created\_at, user\_photo, and address. There are four rows of data:

	user_id	username	email	password_hash	created_at	user_photo	address
<input type="checkbox"/>	1	Antor	asdasd@gmail.com	123	2025-01-01 11:52:50	NULL	NULL
<input type="checkbox"/>	2	Antor	asda@gmail.com	\$2y\$10\$VjZ0KqkAHsnr0Eflqjh9OX4OEycJULwTeV26ZFPOQc...	2025-01-01 11:53:07	NULL	NULL
<input type="checkbox"/>	4	janie	janielemon@gmail.com	\$2y\$10\$0LAyO09Dda2KPHToJ/7C03tRZ9tmFBA8kv8klbr5D...	2025-01-01 11:56:34	adsadasdasdasd	adsadasdasdasd
<input type="checkbox"/>	6	aaa	aaa@gmail.com	\$2y\$10\$p9NgHS3e5sldYsxKI.Nb.WdVuMlJws2ohXngd0ys0ti...	2025-01-01 12:03:22	./image/uploads/25+ best ideas about Death Note o...	asdasdasdad

Below the table are standard database navigation controls: Show all, Number of rows (set to 25), Filter rows, Search this table, Sort by key (None), and Extra options.

Figure 6.1: User Table

## 6.3 Dogs Table

The screenshot shows the 'Dogs' table in the 'petbondhu' database. The table has columns: id, name, breed, age, health\_status, and image\_url. The data includes various dog names like Buddy, Max, Charlie, Bunny, Maxa, Nimbu, voska, Greed, Roger, Marco, Tyson, mimi, Greedy, and their corresponding breeds, ages, health statuses, and image URLs.

		1	Buddy	Golden Retriever	2	Vaccinated
		2	Max	Labrador	3	Neutered
		3	Charlie	Beagle	1	Vaccinated
		4	Bunny	Golden Retriever	2	Vaccinated
		5	Maxa	Labrador	3	Neutered
		256	Nimbu	poodle	4	vaccined
		257	voska	lebrador	3	vaccined
		258	Greed	lebrador	3	vaccined
		259	Roger	Beagle	1	vaccined
		260	Marco	poodle	1	vaccined
		261	Tyson	Beagle	2	vaccined
		262	mimi	lebrador	2	healthy
		263	Greedy	lebrador	4	vaccined

Figure 6.3: Dogs Table

## 6.4 Cats Table

The screenshot shows the 'Cats' table in the 'petbondhu' database. The table has columns: id, name, breed\_name, health\_status, and image. The data includes various cat names like Whiskers, Fluffy, Shadow, Mittens, Luna, and Muana, along with their breeds and health statuses.

		1	Whiskers	Persian	Healthy	./image/cat1.jpg
		2	Fluffy	Bengal	Vaccinated	./image/bengal_cat.jpg
		3	Shadow	Siamese	Neutered	./image/siamese_cat.jpg
		4	Mittens	Maine Coon	Healthy	./image/maine_coon.jpg
		5	Luna	British Shorthair	Vaccinated	./image/british_horthair_cat.jpg
		6	Muana	Bengal	healthy	./image/cat.jpg

Figure 6.4: Cats Table

## 6.5 Birds Table

The screenshot shows the 'Birds' table in the 'petbondhu' database. The table has columns: id, name, breed\_name, health\_status, and image. The data includes various bird names like Kiwi, Tweety, Sunny, Sky, and Snowball, along with their breeds and health statuses.

		1	Kiwi	Parakeet	Healthy	./image/parakeet.jpg
		2	Tweety	Canary	Vaccinated	./image/canary.jpg
		3	Sunny	Cockatiel	Neutered	./image/cockatiel.jpg
		4	Sky	Macaw	Healthy	./image/macaw.jpg
		5	Snowball	Dove	Vaccinated	./image/dove.jpg

Figure 6.5: Birds Table

## 6.6 Fishes Table

The screenshot shows the Fishes table in the petbondhu database. The table has columns: id, name, species\_name, diet, size, and image. The data includes various fish types like Clownfish, Blue Tang, Betta Fish, Goldfish, Guppy, Mandarinfish, and GoldFish, along with their species, diet, size, and image links.

		id	name	species_name	diet	size	image
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1 Clownfish	Amphiprioninae	Algae, Zooplankton	10-15 cm ./image/clownfish.jpg
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3 Blue Tang	Paracanthus hepatus	Algae, Plankton	12-25 cm ./image/blue_tang.webp
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	4 Betta Fish	Betta splendens	Insects, Larvae	6-8 cm ./image/betta.jpg
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	5 Goldfish	Carassius auratus	Plants, Crustaceans	15-20 cm ./image/goldfish.webp
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7 Guppy	Poecilia reticulata	Algae, Small Insects	3-5 cm ./image/guppy.jpg
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	8 Mandarinfish	Synchiropus splendidus	Small Invertebrates	6-8 cm ./image/mandarinefish.jpeg
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	9 GoldFish	Carassius auratus	Liken	4-5cm ./image/betta_back.jpg

Figure 6.6: Fishes Table

## 6.7 Offline Appointment Table

The screenshot shows the Offline Appointment table in the petbondhu database. The table has columns: id, owner\_name, pet\_type, preferred\_date, consultation\_location, selected\_location, owner\_number, symptoms, and created\_at. The data includes appointments for John Doe (Dog), Jane Smith (Cat), and Anika Tasnim (Cats) at various locations and times.

		id	owner_name	pet_type	preferred_date	consultation_location	selected_location	owner_number	symptoms	created_at
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1 John Doe	Dog	2024-12-25	Home Visit	Dhaka	0123456789	Frequent sneezing 2024-12-24 19:56:06
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	2 Jane Smith	Cat	2024-12-26	Clinic	Chattogram	0198765432	Loss of appetite 2024-12-24 19:56:06
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	4 Anika Tasnim	Cats	2024-12-28	home	Chattogram	123456	pragment 2024-12-25 14:30:52

Figure 6.7: Offline Appointment Table

## 6.8 Online Appointment Table

The screenshot shows the Online Appointment table in the petbondhu database. The table has columns: id, pet\_type, service\_type, pet\_condition, first\_name, last\_name, email, consultation\_date, and created\_at. The data includes appointments for Dogs and Cats for services like Vaccination and Dental Care.

		id	pet_type	service_type	pet_condition	first_name	last_name	email	consultation_date	created_at
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1 Dogs	Vaccination	nothing	janie	faria	cangaroguy272@gmail.com	2024-12-27 2024-12-24 18:23:27
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	2 Cats	Dental Care	so much pain	antor	khan	cangaroguy272@gmail.com	2024-12-28 2024-12-24 18:24:13

Figure 6.8: Online Appointment Table

## 6.9 Shop Table

The screenshot shows the Shop table in the petbondhu database. The table has columns: id, product\_name, price, image\_url, pet\_category, and product\_type. The data includes various pet products like chew toys, dog beds, and bird food.

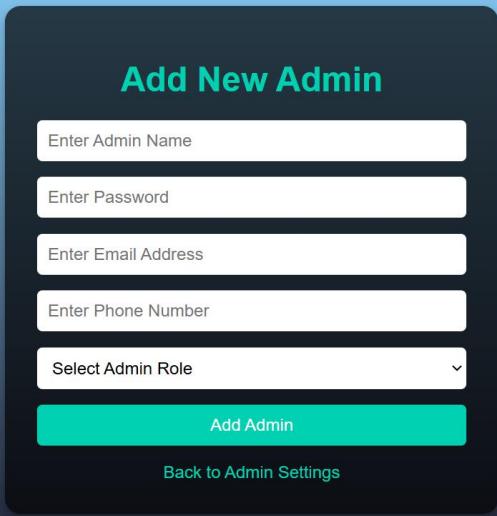
		id	product_name	price	image_url	pet_category	product_type
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1 chew toy for dogs	700	662124526bf8a3744040a528-dog-chew-toys-suction-cup..	Dog Food
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3 Durable Dog Chew Toys. Low Prices (Free Shipping)	1500	chew.png.webp	Dog Food
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	5 All Living Things® Flight Home	500	5305660.jpg	Dog Food
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	6 ZuPreem® Pure Fun Enriching Variety Mix Bird Food	350	5261653.webp	Dog Food
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7 Full Cheeks™ Small Pet Cuddler Bed	600	5353396.webp	Dog Food
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	8 Top Fin® Essentials Aquarium Starter Kit	1450	5262267.webp	Dog Food

Figure 6.9: Shop Table

## Forms

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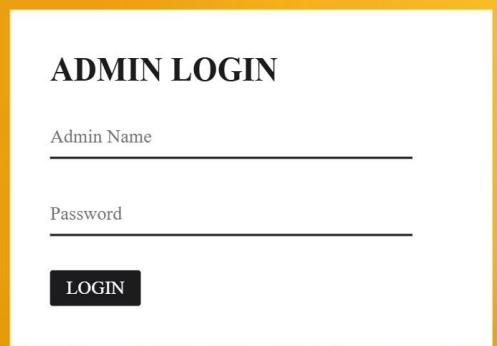
### 7.1 Admin Sign Up Form



The image shows a dark-themed 'Add New Admin' form. It features five input fields: 'Enter Admin Name', 'Enter Password', 'Enter Email Address', 'Enter Phone Number', and a dropdown menu for 'Select Admin Role'. Below these is a teal-colored 'Add Admin' button. At the bottom left of the form is a link 'Back to Admin Settings'.

Figure 7.1: Admin Sign Up form.

### 7.2 Admin Log In Form



The image shows a light-colored 'ADMIN LOGIN' form set against a yellow background. The form contains two input fields: 'Admin Name' and 'Password', each with a horizontal line for text entry. Below the password field is a black 'LOGIN' button. To the right of the form, there is a partial view of a golden retriever puppy's face.

Figure 7.2: Admin Log in form.

### 7.3 User Sign Up Form

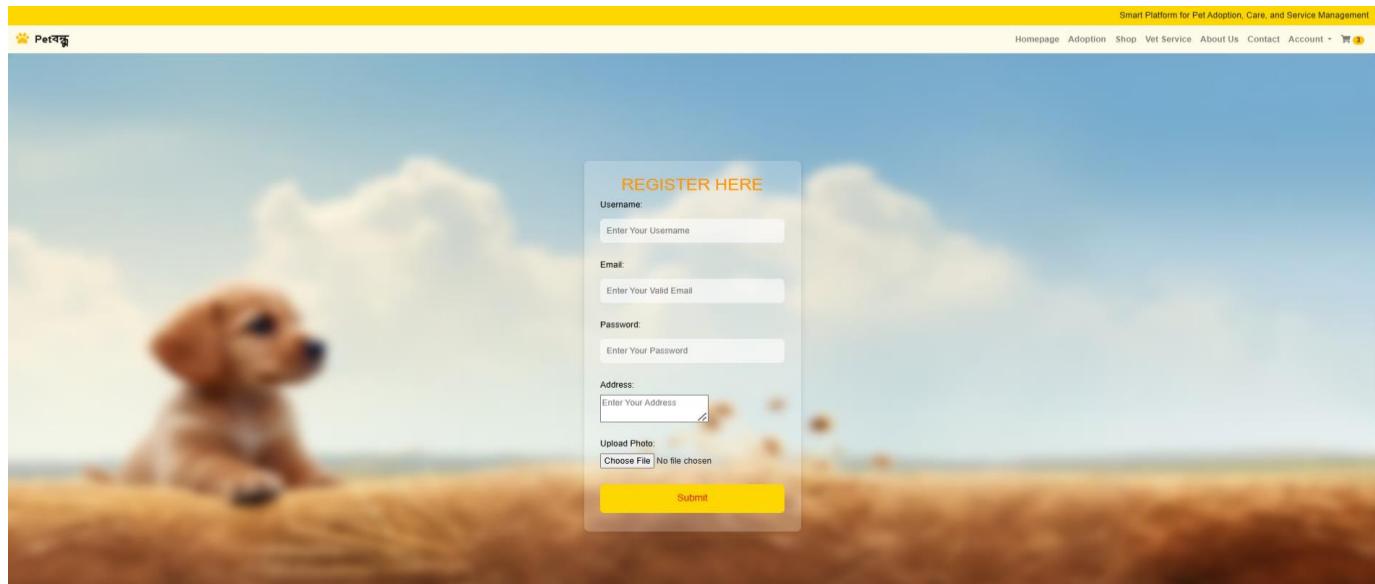


Figure 7.3: User Sign Up form.

### 7.4 User Log In Form

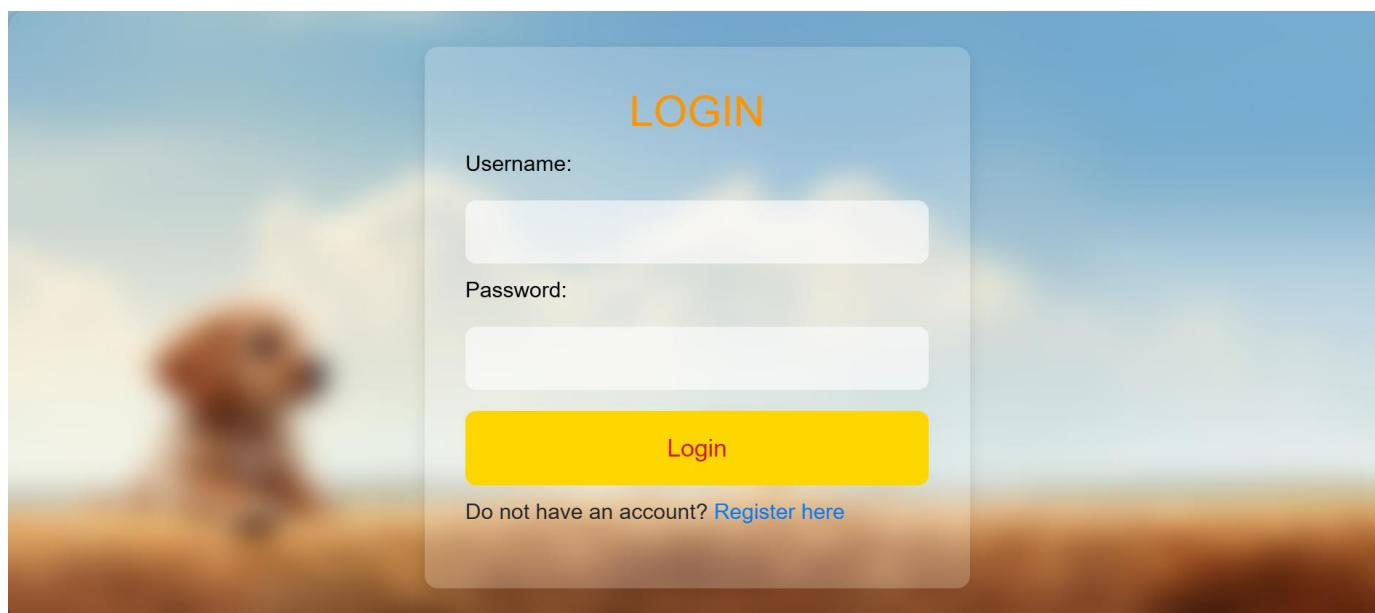


Figure 7.4: User Log in form.

## 7.5 New Dog Adding Form

The screenshot shows a dark-themed web application for pet management. At the top, there's a yellow header bar with the text "Smart Platform for Pet Adoption, Care, and Service Management". Below it is a navigation bar with links: "Homepage", "Adoption", "Shop", "Vet Service", "About Us", "Contact", "Account", and a shopping cart icon with a notification badge showing the number 3.

The main content area features a modal titled "Add a New Dog". Inside the modal, there are five input fields with labels: "Dog Name", "Breed", "Age", "Health Status", and "Image URL". Each field has a placeholder text below it. A red "Add Dog" button is located at the bottom right of the modal.

Figure 7.5: Dog adding form.

## 7.6 New Bird Adding Form

This screenshot shows the same dark-themed web application as Figure 7.5. The main difference is the modal title, which is now "Add a New Bird". The layout and field labels are identical to the dog form: "Bird Name", "Breed", "Health Status", and "Image URL". Each field has a placeholder text below it. A red "Add Bird" button is located at the bottom right of the modal.

Figure 7.6: Bird adding form.

## 7.7 New Cat Adding Form

The screenshot shows a dark-themed web application for pet management. At the top, there's a yellow header bar with the text "Smart Platform for Pet Adoption, Care, and Service Management". Below the header, the logo "Pet প্রকল্প" is visible, along with navigation links: "Homepage", "Adoption", "Shop", "Vet Service", "About Us", "Contact", "Account", and a shopping cart icon with a notification count of 3.

The main content area features a central modal titled "Add a New Cat". Inside the modal, there are four input fields with labels: "Cat Name" (with placeholder "Enter cat's name"), "Breed Name" (with placeholder "Enter cat's breed"), "Health Status" (with placeholder "Enter cat's health status"), and "Image URL" (with placeholder "Paste image URL"). A large orange "Add Cat" button is located at the bottom right of the modal.

Figure 7.7: Cat adding form.

## 7.8 New Fish Adding Form

This screenshot shows the same dark-themed application with a magenta header bar. The header includes the "Smart Platform for Pet Adoption, Care, and Service Management" text, the "Pet প্রকল্প" logo, and the same navigation links as Figure 7.7.

The central modal is titled "Add a New Fish". It contains five input fields with labels: "Fish Name" (placeholder "Enter fish's name"), "Species Name" (placeholder "Enter fish's species name"), "Diet" (placeholder "Enter fish's diet"), "Size" (placeholder "Enter fish's size"), and "Image URL" (placeholder "Paste image URL"). An orange "Add Fish" button is positioned at the bottom right of the modal.

Figure 7.8: Fish adding form.

## 7.9 Online Appointment Form

The screenshot shows a web-based appointment form titled "Vet Appointment Form". The form is contained within a dark grey box. It includes fields for selecting the type of pet (Cats) and the service (General Checkup). There is a text area for sharing information about the pet's condition, followed by input fields for the owner's name (First Name and Last Name) and email address. A date selector for the consultation date is also present. A green "Submit Form" button is at the bottom.

Figure 7.9: Online appointment form.

## 7.10: Offline Appointment Form

The screenshot shows a web-based offline consultation form titled "Offline Consultation Form". The form is contained within a dark grey box. It includes fields for the owner's name, selecting the type of pet (Cats), choosing a consultation location (At the Clinic), selecting a specific location (Dhaka), entering the owner's contact number, and describing symptoms/concerns. A date selector for the preferred consultation date is also present. A green "Submit Form" button is at the bottom.

Figure 7.10: Offline appointment form.

## Conclusion & Future Work

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### 8.1 Conclusion

This project aims to create an all-in-one platform that makes pet adoption, shopping for pet supplies, and accessing veterinary care simpler and more accessible for pet lovers. By addressing key challenges like cost, convenience, and time, this platform will allow more people to enjoy the companionship of pets without the hassle of navigating multiple sites or services. It will encourage responsible pet ownership, provide essential resources, and build a community of pet owners who can support and learn from each other. Ultimately, this project has the potential to make a meaningful difference in the lives of pets and their owners, creating a more compassionate and connected world for all.

### 8.2 Future Plan

The future development of **Petরক্তি** aims to create a smart, efficient, and customer-centric platform for pet care. By implementing a streamlined order management system, customers will easily purchase pets, food, and accessories online, with personalized product recommendations powered by predictive analytics. Exclusive delivery options, including GPS-tracked, temperature-controlled shipping and same-day delivery, will ensure convenience and reliability. Additionally, the introduction of multiple pickup points in various locations will further enhance accessibility and flexibility for customers. Over time, the system will expand its reach, offering faster and more adaptable delivery solutions tailored to user needs.

To diversify offerings, the platform will introduce organic pet food, customizable accessories, and an expanded product range while also fostering a strong pet-owner community. An interactive pet adoption service will connect customers with shelters and individuals looking to rehome pets, creating a compassionate ecosystem. Loyalty programs, community events, and advanced technologies such as AI-driven support and Riot-enabled pet health devices will enrich the customer experience. With these innovations, **Petরক্তি** is poised to become a comprehensive and scalable solution, setting a new standard in the pet care industry.

## 8.3 References

[1] <https://www.w3schools.com/>

HTML, CSS, JavaScript, SQL & PHP Tutorial [Online Form]

[2] [Pets and Animals for Sale in Bangladesh | Bikroy](#)

Explore a wide range of pets available for adoption and purchase in Bangladesh through Bikroy, a trusted platform connecting pet enthusiasts.

[3] <https://petcodb.com/>

A dedicated platform offering pet supplies, accessories, and services for pet lovers across Bangladesh.

[4] <https://mewmewshopbd.com/>

Discover a variety of pet products and services, tailored to meet the needs of cats, dogs, and other beloved companions.

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