



Project Report

Submitted to:

Md Kaviul Hossain
Lecturer
Department of CSE
University of Liberal Arts Bangladesh

Submitted By:

Group Members' ID	Group Members' Name
221014011	Md Mahedul Hasan Mahe
221014018	Israfill Hossain Mehedi
221014135	Aminul Islam
221014031	Abdullah Al Ziyad
221014035	Md Alif hossain

Course Title: DESIGN PROJECT 2

Course Code: CSE 3200

Section: 3

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PawShelter – Pet Adoption and Veterinary Services Platform

Introduction:

PawShelter is an all-in-one web-based solution developed to improve access to pet adoption, foster care services, and veterinary assistance. With increasing digitalization in the service sector, the project aims to streamline the processes for clinics, volunteers, and animal lovers, offering a smooth and responsive user experience through modern web development practices using HTML, CSS, and PHP. PawShelter is a web-based platform developed to address the growing need for an integrated, accessible, and secure system in the field of pet care. The system was designed to help connect prospective pet adopters, veterinary professionals, and animal welfare volunteers under one digital roof. Through a clean and responsive user interface built using HTML and CSS, combined with a robust backend using PHP and MySQL, PawShelter simplifies complex operations such as pet registration, adoption processing, foster management, and veterinary scheduling. The platform also offers essential features like password recovery, secure login, and PDF report generation, enhancing both user experience and administrative efficiency.

Problem Statement:

Conventional systems for pet adoption and veterinary care are either paper-based or fragmented across unconnected software tools. These systems are inefficient, hard to maintain, and lack accessibility. PawShelter was created to address these shortcomings by offering a unified platform for adoption, vet booking, user management, and communication.

1.SRS

Software Requirements Specification (SRS)

Functional Requirements:

User Management:

- User registration with required details (name, email, phone, address, etc.).
- Login and logout functionality for different user roles:
 - Administrator
 - Pet Owner
 - Volunteer
 - Foster Caretaker
 - Veterinarian

Appointment Booking System:

- Pet owners can book appointments for checkups, vaccinations, and emergencies.
- Calendar integration to show vet availability with real-time slot updates.
- Admins can manage, reschedule, or cancel appointments.
- Email/SMS reminders for upcoming appointments.

Paid Foster Care Program:

- Admins can list pets needing foster homes.
- Foster caregivers can register and apply to foster pets.
- Secure payment integration (e.g., Stripe/PayPal) for fostering.
- Agreements with start-end dates and automatic reminders.
- Foster care history log for transparency.

Adoption Portal:

- Public profiles of adoptable pets with details, photos, and personality traits.
- Matching algorithm based on adopter preferences.
- Online adoption application with ID verification and vetting.
- Admin panel for managing adoption requests.
- Auto-generated adoption agreements using DOMPDF.

Pet Management:

- Add, update, and view available pets.
- Track pet adoption or foster status.
- Maintain profiles with name, breed, age, health conditions, and owner/caretaker info.

Billing and Clinic Operations:

- Automated invoice generation for appointments, fostering, adoption.
- Downloadable bills and receipts using DOMPDF in PDF format.
- Transaction history per user.

Dashboards:

- Customized dashboards for:
 - Admin
 - Foster Caretaker
 - Volunteer
 - Pet Owner
 - Veterinarian

Communication:

- Contact/inquiry form for support or questions.
- Email notifications for confirmations and critical status updates.

Non-Functional Requirements:

Scalability:

- System must scale to handle increasing users, pets, and transactions efficiently.

Performance:

- Fast page load time and instant form submissions (<3s response time).

Security:

- Secure login with encrypted passwords.
- HTTPS encryption for all data transmission.
- Role-based access control and audit logs.

Usability:

- Responsive and intuitive UI suitable for all devices.
- Simple navigation and accessibility for non-technical users.

Existing Software System's Problem:

Before developing the "Vet Care Management System," a review of existing systems revealed the following shortcomings:

1. **Limited Automation:** Many systems rely on manual data entry and processing, leading to inefficiencies and errors.
2. **Fragmented Solutions:** Existing platforms often fail to provide a comprehensive solution, requiring users to switch between multiple tools for different tasks.
3. **Poor User Interface:** Lack of intuitive design hinders usability, especially for non-technical users.
4. **Inadequate Data Security:** Many systems do not adhere to modern security standards, risking user data breaches.
5. **Scalability Issues:** Existing systems struggle to handle a growing number of users and pets without performance degradation.

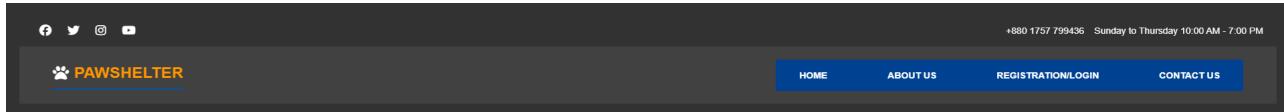
Solution Regarding the Problem:

The "Vet Care Management System" addresses these challenges with the following solutions:

1. **Automation of Processes:**
 - Streamlined user registration and pet adoption workflows to reduce manual intervention.
 - Automated generation of reports and adoption receipts using DOMPDF.
2. **Comprehensive Platform:**
 - A unified system encompassing user management, pet management, and communication tools.

- Role-based dashboards for targeted access and functionality.
- 3. **Enhanced User Interface:**
 - Clean and intuitive design with responsive layouts for seamless interaction on all devices.
 - Easy navigation and quick access to essential features.
- 4. **Robust Data Security:**
 - Secure login mechanisms with encrypted passwords.
 - Implementation of best practices for database management and protection against SQL injection attacks.
- 5. **Scalable Architecture:**
 - Modular design to support future enhancements and increased user base.
 - Efficient database schema to ensure quick data retrieval and storage.

Evidence of Feature Functionality:



About Us

Welcome to PawShelter! We are dedicated to providing love, care, and shelter to animals in need. Our mission is to bridge the gap between homeless pets and loving families by offering fostering, adoption, and veterinary services. Join us in creating a world where every pet has a home.

Our Vision

To create a community where every pet is cherished and cared for. Through fostering, adoption, and comprehensive veterinary care, we strive to improve the lives of animals and build lasting connections with humans.

Our Values

- Compassion for all animals
- Dedication to animal welfare
- Commitment to community and education

Contact Us

We would love to hear from you! Feel free to reach out with any questions, concerns, or to get involved with our cause.

Contact Us

+880 1757 799436
papapap@gmail.com
123, ULAB, Mohammadpur,
Dhaka

Our Services

Pet Adoptions
Pet Donation
Pet Care
Dog Insurance

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PAWSHELTER

123, ULAB, Mohammadpur,
Dhaka

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PAWSHELTER

HOME ABOUT US ADMIN LOGIN CONTACT US

Full Name

Email Address

Message

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PAWSHELTER

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We Need Your Help Adopt Us

Your love and care can give a pet a second chance at life.



Services We Offer

Explore our wide range of services to help animals in need.

Foster Service

We provide temporary homes for pets while they await adoption.

Veterinary

Comprehensive veterinary care for pets of all kinds.

Adoption

Find your perfect companion and give them a loving home.

Find Your Favorite Pet
Here

[Adoption Form](#)

Contact Us

+880 1757 799436

papapap@gmail.com

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Username

Password

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Don't have an account? [Register](#)

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PAWSHELTER

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Username:

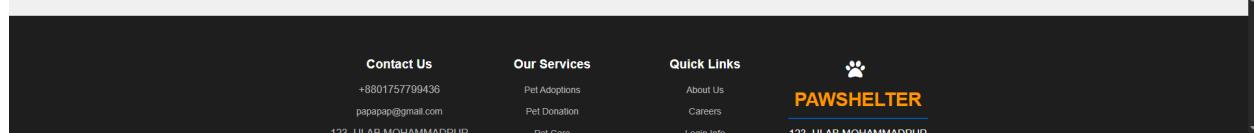
Email:

Password:

Confirm Password:

User Type:

Register



Admin Panel

[HOME](#) [LOGOUT](#)

Add Doctor

Doctor Name:

Available Date:

Start Time:

End Time:

Fees:

Add Doctor

Adoption Requests

Request ID	Pet Name	User	Status	Action
0	monica	monika	Approved	

Fees:

Add Doctor

Adoption Requests

Request ID	Pet Name	User	Status	Action
9	wow	israfil	approved	
10	Shillii	israfil	approved	
11	wow	israfil	approved	
12	wow2	israfil	approved	
16	SHilmano	israfil	approved	
17	Alif	israfil	pending	Approve
18	Doggy	israfil	approved	
19	CAtt	israfil12	approved	
20	Alif	abdullah	pending	Approve

Available Doctors

Doctor ID	Name	Available Date	Start Time	End Time	Fees	Action
20	Alif	abdullah	pending			Approve

Available Doctors

Doctor ID	Name	Available Date	Start Time	End Time	Fees	Action
3	Rishan	2025-04-24	10:10:00	17:00:00	500.00	Remove

Manage Pets

Pet Name:

Breed:

Age:

Description:

Add Pet

Available Pets

[Add Pet](#)

Available Pets

Pet ID	Name	Breed	Age	Description
1	Shiiiii	highbreed	1	onek mota
2	wow	hm	2	asd
3	wow2	hm	2	ooo
4	TestDog	Mixed	2	Test pet for adoption
5	TestPet2	Mixed	3	Test pet for adoption
6	TestPet2	Mixed	3	Test pet for adoption
7	SHImano	egu	2	ninja hattori
8	Alif	highbread	18	haoa
9	Doggy	desi	2	aaosdahfguoabgoav
10	CAttt	desi	2	sommething

Pet Care Appointment Requests

Appointment ID	Doctor	User Name	Pet Name	Breed	Species	Status	Requested On	Action
5	Rishan	mahe	dog	highbreed	dog	accepted	2025-04-24 02:44:40	

2	wow	Shiiiii	2	asdu
3	wow2	hm	2	ooo
4	TestDog	Mixed	2	Test pet for adoption
5	TestPet2	Mixed	3	Test pet for adoption
6	TestPet2	Mixed	3	Test pet for adoption
7	SHImano	egu	2	ninja hattori
8	Alif	highbread	18	haoa
9	Doggy	desi	2	aaosdahfguoabgoav
10	CAttt	desi	2	sommething

Pet Care Appointment Requests

Appointment ID	Doctor	User Name	Pet Name	Breed	Species	Status	Requested On	Action
5	Rishan	mahe	dog	highbreed	dog	accepted	2025-04-24 02:44:40	

Contact Messages

ID	Name	Email	Message	Received On	Action
4	Md mahe	m@gmail.com	i have a problem	2025-04-24 02:49:24	<button style="background-color: orange; color: white; border: none; padding: 2px 10px;">Delete</button>

Foster Dashboard

HOME GALLERY VETERINARY CONTACT

Welcome, ziyad!

We're glad to see you. Manage your foster care requests below.

Logout

Request Foster Care

Pet's Name:

Species: Cat

Number of Days:

Foster Care Pricing

The daily charge for fostering a cat is 300 and for a dog is 500

Pet Care Dashboard

HOME FOSTER CARE CONTACT

Welcome, aaz!

Find a doctor and schedule an appointment for your pet below.

Logout

Available Doctors

No doctors are currently available

Schedule an Appointment

Select Doctor: -- Choose a Doctor --

Your Name:

Pet's Name:

Breed:

Species: Cat

Your Appointment Requests

You have no appointment requests.

kamal	2025-05-02	10:00:00	22:10:00	₹200.00
-------	------------	----------	----------	---------

Schedule an Appointment

Your appointment has been scheduled successfully!

[Download Bill](#)

Select Doctor:

-- Choose a Doctor --

Your Name:

Pet's Name:

Pet Care Appointment Bill

Doctor: kamal

Appointment Date: 2025-05-02

Appointment Time: 10:00:00

Name: tanjib

Pet's Name: Aliif

Breed: DESI

Species: dog

Doctor's Fee: ₹200.00

Volunteer Dashboard

HOME FOSTER CARE VETERINARY CONTACT

Welcome, abdullah!

View available pets and submit adoption requests below

Logout

Available Pets for Adoption

Alif

Breed: highbread
Age: 18 years
haoa

Request to Adopt

Your Adoption Requests

Pet Name	Status	Requested On
Alif	pending	2025-04-30 21:22:03

Pending Foster Care Requests

Requester	Pet Name	Species	Days	Requested On	Action
ziyad	alif	cat	5	2025-04-30 21:28:19	Accept

Your Accepted Foster Care Pets

Pet Name	Species	Days	Accepted On
hum	cat	2	2025-04-16 19:01:15
hum2	cat	2	2025-04-16 19:07:29
Cattis	cat	1	2025-04-23 16:54:04
Dogggg	dog	2	2025-04-24 02:46:12

Your Adopted Pets

You have not adopted any pets yet.

Your Payment History

No payment records found.

2. Project Planning

Scope: Pawshelter aims to streamline pet adoption, foster care coordination, and veterinary appointment scheduling by connecting volunteers, pet care users, foster caregivers, and admins in one centralized platform. It addresses inefficiencies in the manual adoption process, ensures responsible pet care, and fosters a collaborative environment for animal welfare.

Objectives:

1. Allow users to register under specific roles: Volunteer, Pet Care, or Foster Care.
2. Enable Admin to manage users, post pets for adoption, and assign doctors.
3. Allow Volunteers to view pets and request adoption.
4. Allow Foster Care users to request fostering, with approvals handled by Volunteers.
5. Allow Pet Care users to view doctors and request appointments.
6. Centralize approval workflows for adoption and appointments under Admin control

Project Timeline:

Week 1-2: Planning

Week 3-4: Design of layout and DB schema

Week 5-6: Frontend + Backend development

Week 7-8: Integration and testing

Week 9-10: Final packaging and report submission

Project Timeline



Figure: Gantt Chart of our project timeline

Roles:

Name	Role
Md Mahedul Hasan Mahe	Scrum master + Developer
Israfill Hossain Mehedi	Database Handle + Developer
Alif Hossain	Developer
Aminul Islam	Developer
Abdullah al Ziyad	Developer

Deliverables:

- 1.Fully functional web application: *Pawshelter*
- 2.Source code (HTML, PHP, MySQL)
- 3.Single CSS file (`style.css`)
- 4.Database schema
- 5.Project documentation and report

3. Project Methodologies

CI/CD Methodologies: In our project, we followed a Continuous Integration and Deployment (CI/CD) approach inspired by the **Agile Manifesto**, along with effective sprint collaboration using **Git and GitHub**.

At the beginning, our team collaboratively **decided on the project topic** and identified the **key user requirements**. Based on those requirements, we divided the work into smaller modules and **distributed the tasks among the team members**. This aligns with Agile principles—**responding to change, collaboration, and delivering working software** in short cycles.

Each member started working on their assigned module using **Git** for version control. As features were developed, we regularly:

- Tested the code** to ensure it was functioning correctly.
- Made necessary updates or fixes.**
- Took peer reviews** within the team.
- Once a module was stable and completed, it was **pushed to GitHub**.

This process allowed us to continuously integrate new code, resolve bugs early, and maintain a smooth workflow. GitHub also helped us in pull request-based collaboration, where each new feature or fix was reviewed before merging into the main branch. Finally, once all modules were developed and tested, the final version of the code was pushed to GitHub, completing the project in a structured and collaborative manner.

Development Tools:

Code Editor: VS Code

XAMPP (Local development server for PHP & MySQL)

Browser: Chrome (for testing)

Version Control: Git & GitHub

Tech Stack:

Frontend: HTML, CSS

Backend: PHP

Database: MySQL

Other Tools: PHPMyAdmin for database management and Vs code extension DOMPDF for PDF generation.

Unit Testing:

1. Manual testing was performed for each module (registration, login, dashboard functionalities).
2. Validated form input and database operations using PHP and MySQL queries.

4. Application Overview

USE CASE Diagram:

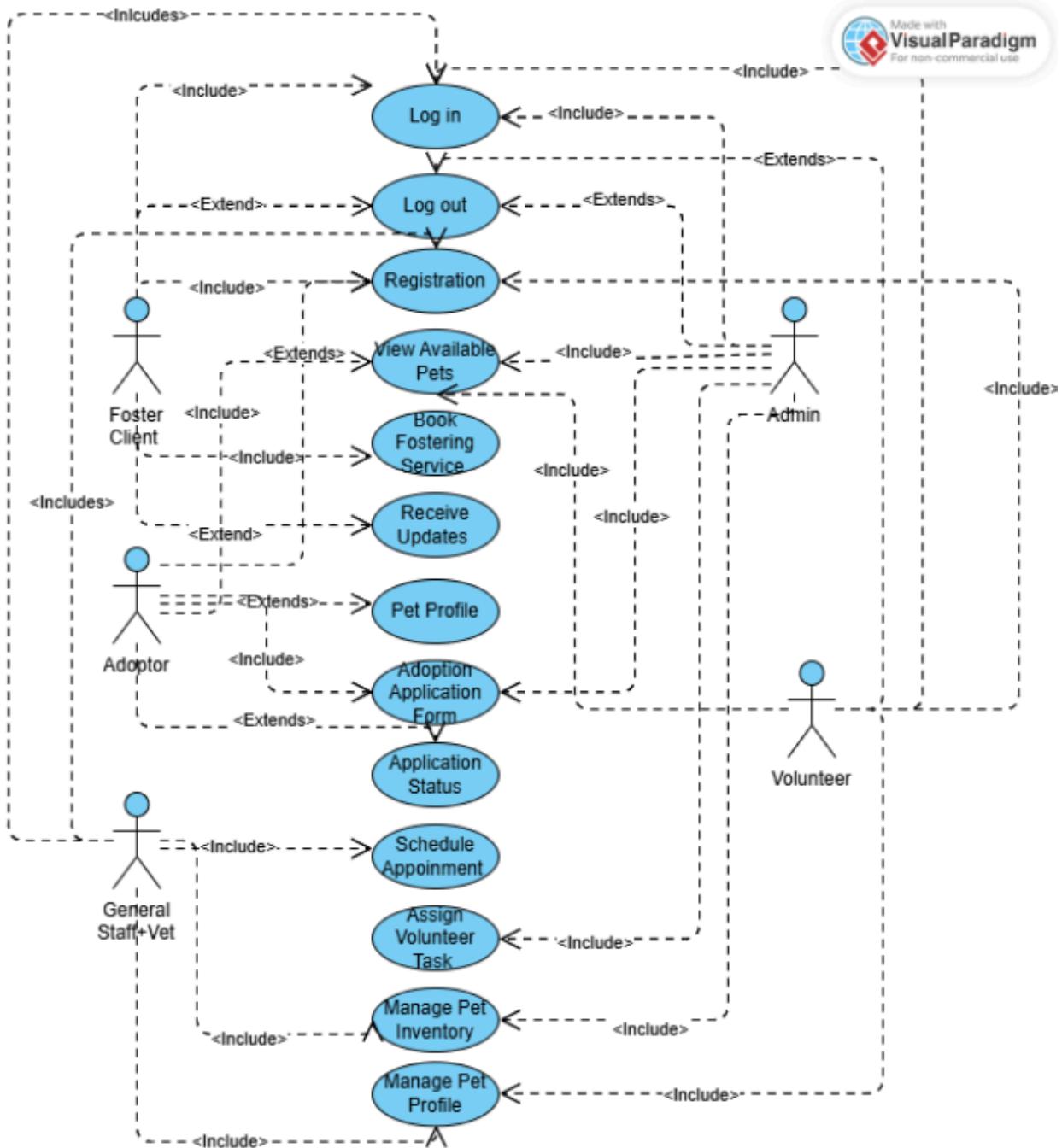


Figure: Use case Diagram

ER Diagram:

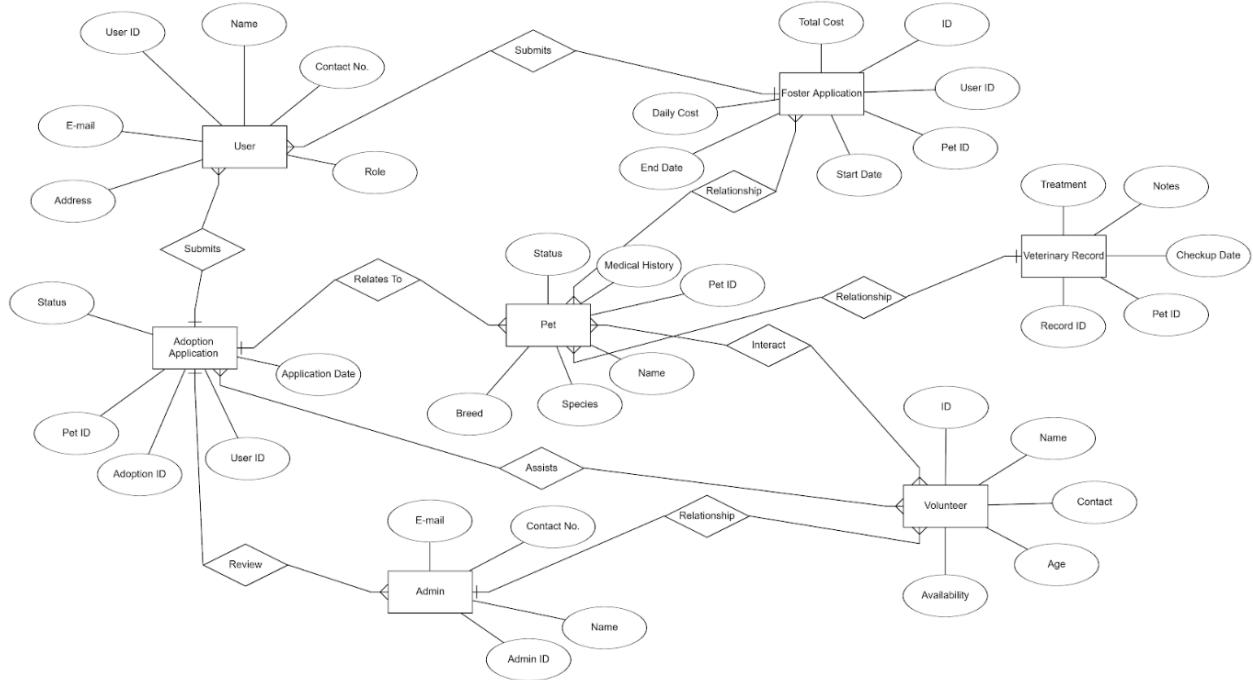


Figure: ER Diagram

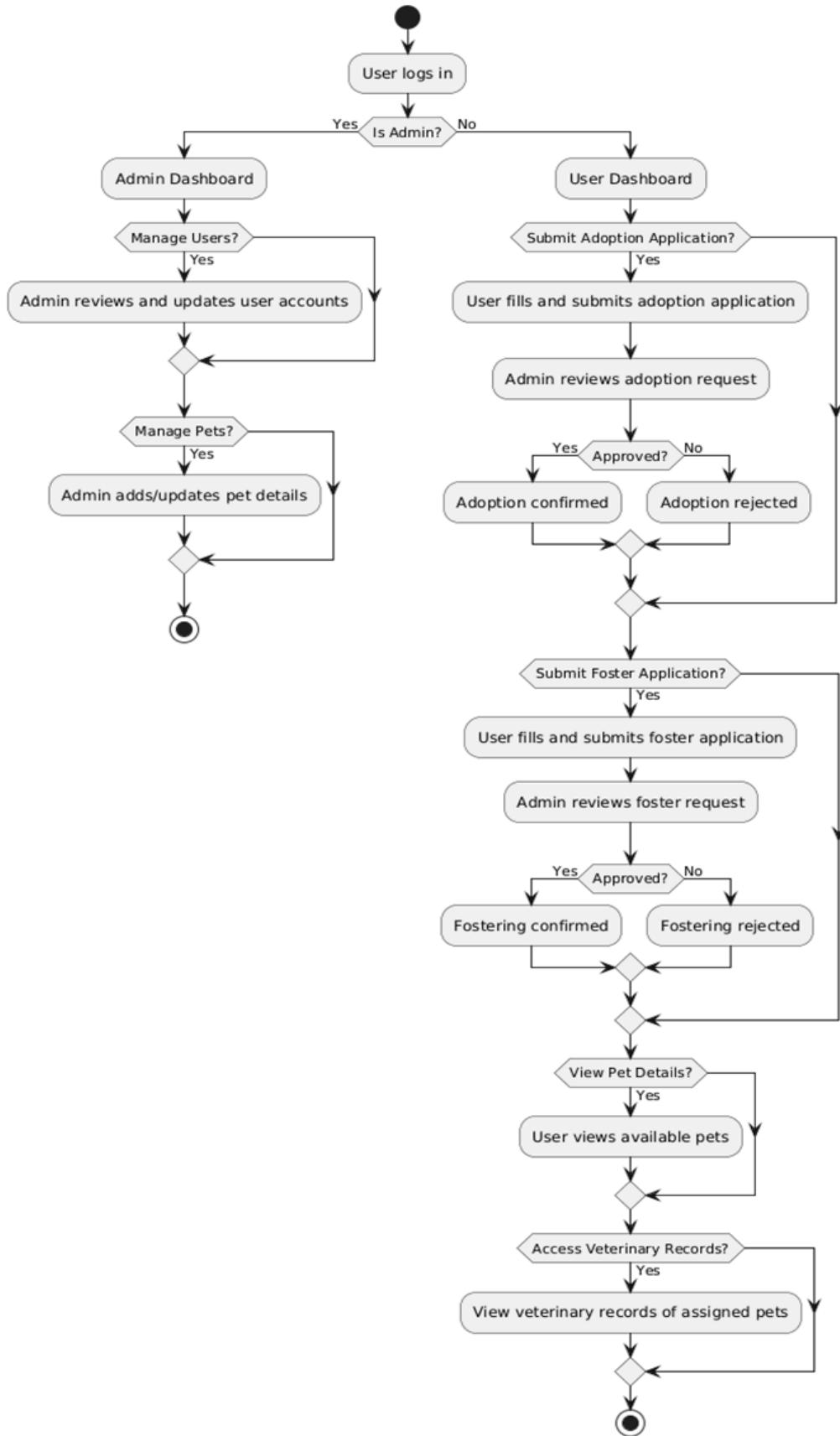


Fig: Activity Diagram

5. Code Section

GitHub Link: <https://github.com/mahe159/Veterinary-Clinic-System.git>

Challenges and Solutions:

- Database Relationships (Couldn't join tables together for showing information in dashboard): Solved using foreign keys and cascading logic
- Role-based Access Control: Structured session variables for different dashboards
- Password Reset Logic: Resolved using token-based email authentication

6. Future Plans:

- 1.Implement **email notifications** for appointment and adoption status updates.
- 2.Add **chat functionality** between volunteers and foster users.
- 3.Enable **file/image uploads** for pets and user profile pictures.
- 4.Deploy the project online using a cloud service or shared hosting.
- 5.Introduce **mobile responsiveness** to support access via smartphones and tablets.
- 6.Add **analytics** for Admin to track user activity and adoption rates.

7. Appendix

Questionnaire:

VET (DOCTOR)

1. Name

.....

2. Phone Number

.....

3. How do you currently manage medical records and treatment histories?
o Paper records

- Digital files (Excel, Word, etc.)
- Dedicated software

4. What features would make it easier for you to update pet medical records?

- Access to historical data
- Automatic reminders for follow-ups
- Compatibility with diagnostic tools

5. How often do you deal with fostering or adoption-related cases?

- Daily
- Weekly
- Monthly
- Rarely

6. What type of communication features would help you coordinate with foster clients or adopters?

- Messaging through the platform
- Automated reminders
- Medical update forms

7. How important is access to a pet's entire medical and foster history?

- Very important
- Somewhat important
- Not important

Survey for Vet:

1. Name

2 responses

Dr. Sagir Uddin Ahmed

Pet Doctor Robi

2. Phone Number

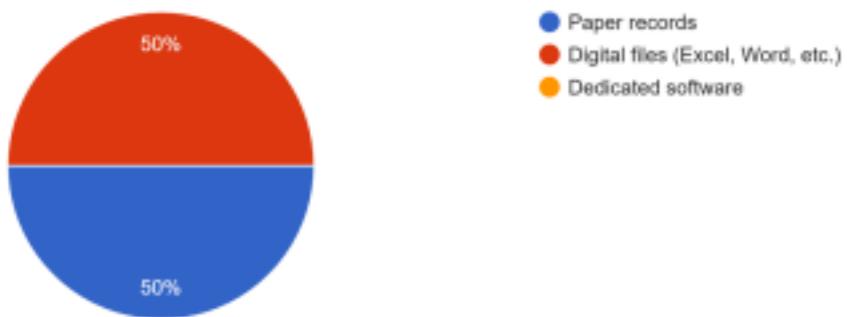
2 responses

01706214759

01723649754

3. How do you currently manage medical records and treatment histories?

2 responses



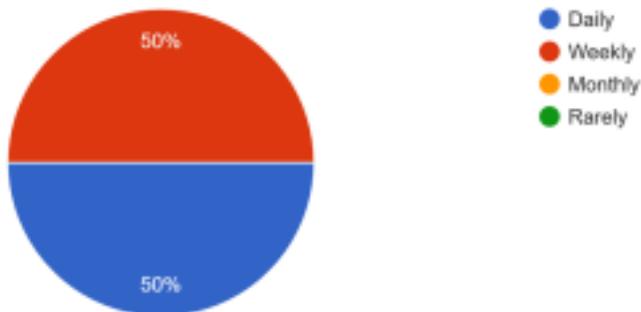
4. What features would make it easier for you to update pet medical records?

2 responses



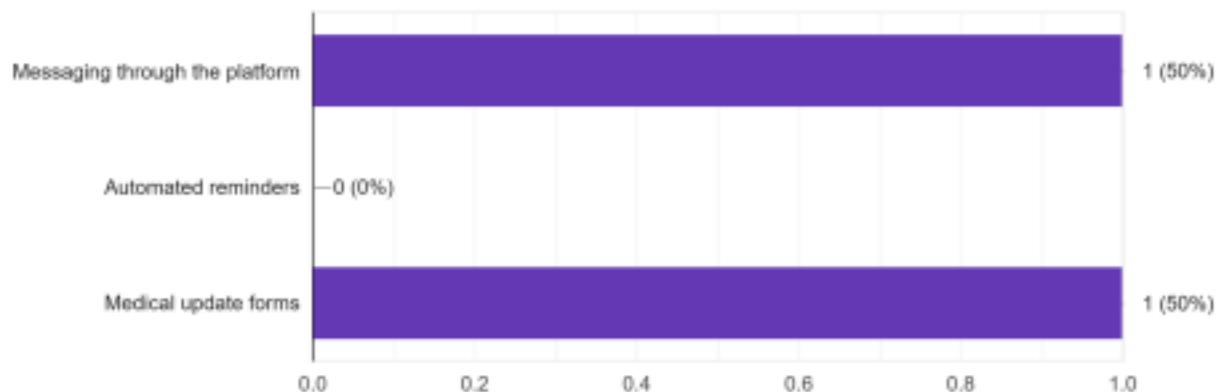
5. How often do you deal with fostering or adoption-related cases?

2 responses



6. What type of communication features would help you coordinate with foster clients or adopters?

2 responses



7. How important is access to a pet's entire medical and foster history?

2 responses



ADMIN

1. Name

.....

2. Phone Number

.....

3. What are the biggest challenges in managing a veterinary clinic's services?

- Scheduling

- Record management

- Communication with clients

- Fostering and adoption coordination

4. How important is it for you to track foster/adoption records and medical services in one system?

- Very important

- Somewhat important

- Not important

5. Which functionalities are essential in a management system for your needs?

- Appointment scheduling

- Pet medical history management

- Foster/adoption status tracking

- Payment processing and invoicing

- User communication

6. What kind of reports or analytics would be helpful for you?

- o Number of appointments or services completed
- o Adoption success rates
- o Financial reports
- o Foster service usage

Survey for Admin :

1. Name

3 responses

Noshin

Monira

Rubel

2. E-mail

3 responses

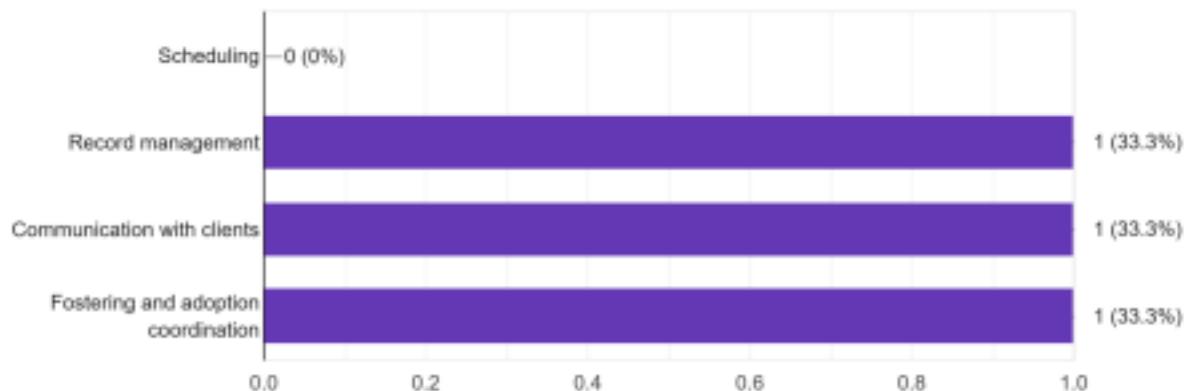
noshintabassum@gmail.com

moniraakter@gamil.com

badsharubel@gmail.com

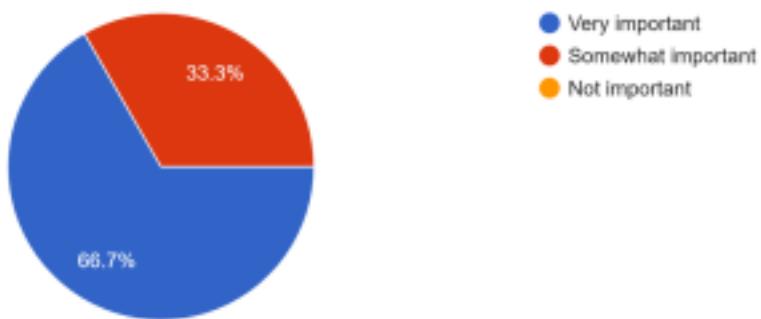
3. What are the biggest challenges in managing a veterinary clinic's services?

3 responses



4. How important is it for you to track foster/adoption records and medical services in one system?

3 responses



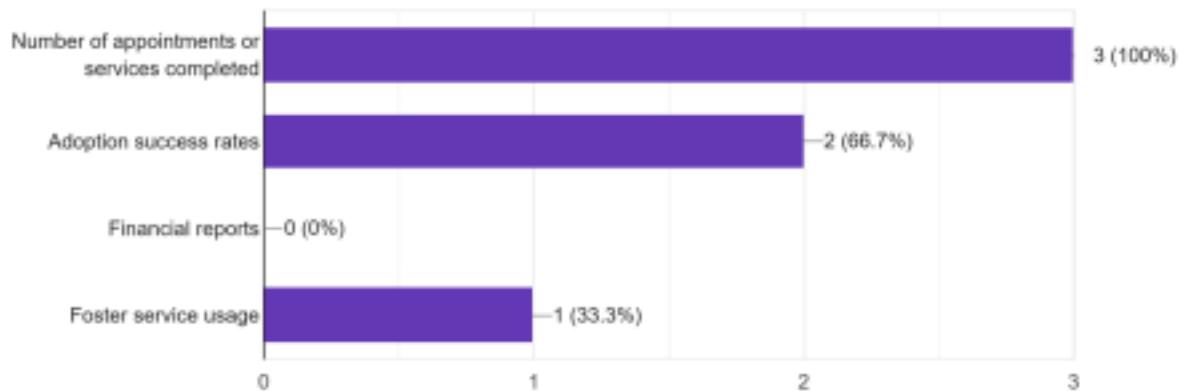
5. Which functionalities are essential in a management system for your needs?

3 responses



6. What kind of reports or analytics would be helpful for you?

3 responses



ANIMAL OWNERS:

1. Name

.....

2. Phone Number

.....

3. Species

- Persian
- Local Breed
- Short Hair
- Long Hair
- Lhasa

4. Behavior Warning

- Calm
- Aggressive
- Quiet

5. Medical Condition

- Sick
- Treated
- On treatment

6. Your pet type

- Cat
- Dog

7. How often do you visit a veterinary clinic for your pet's health

needs? Once a month or more

- Every few months
- Annually
- Only when necessary

8. What services are most important to you in a veterinary

clinic? Routine check-ups

- Emergency services
- Vaccinations
- Grooming
- Fostering and adoption services

9. Would you consider fostering a pet temporarily?

- Yes
- No

10. What are your top concerns when adopting or fostering a pet?

- Compatibility with family/pets

- Health and vaccination status

- Training and behavior

- Cost and maintenance

11. How would you prefer to receive updates on your pet's health or fostering status?

- Email

- SMS

- In-app notifications

- Phone call

12. What features would make using an online veterinary service platform more convenient for you?

- Online appointment booking

- Access to pet's medical records

- Notifications and reminders

- Communication with veterinarians

Survey for Animal Owners:

1. Name

10 responses

Tabassum

Asma Akter

Shanta

Annie

Hafsa Begum

Munir Ali

Jamil Uddin

Farzana Rahman

Ayesha Khatun

2. Phone number

10 responses

01534883907

01754678534

01673909451

01945831606

01754693967

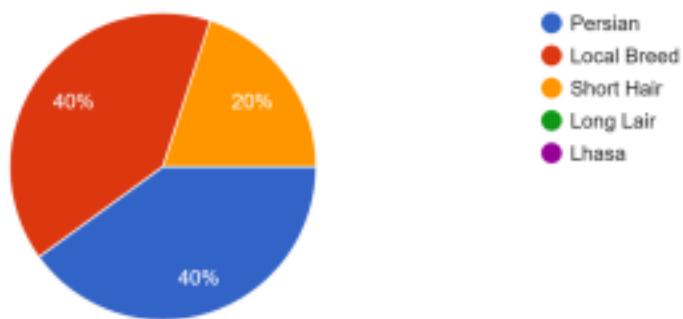
0 1877 234234

0 1744 123123

0 1990 901234

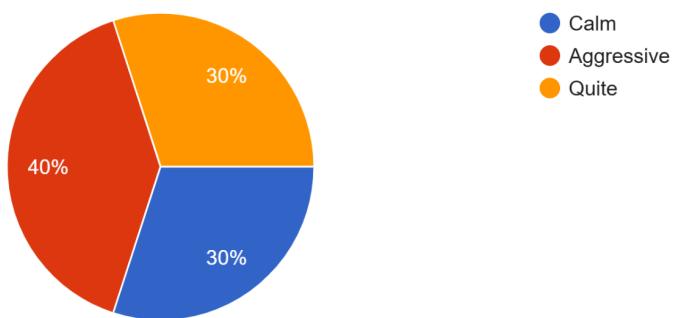
3.Species

10 responses



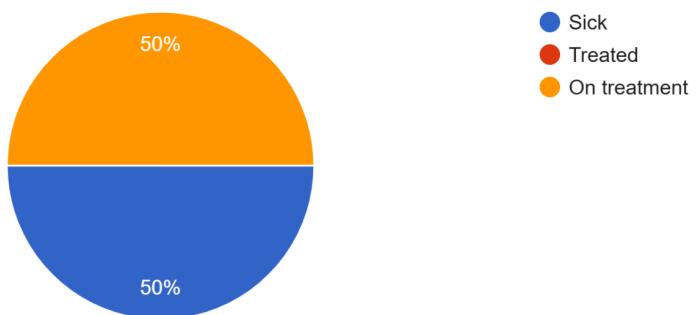
4.Behave Warning

10 responses



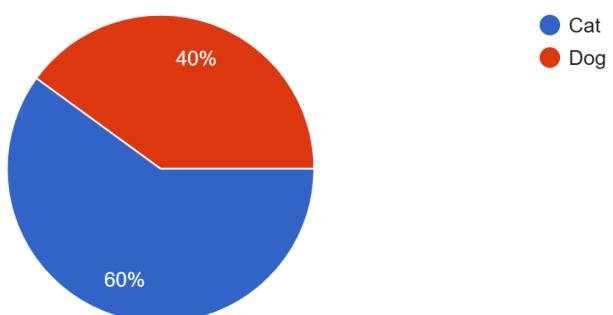
5.Medical Condition

10 responses



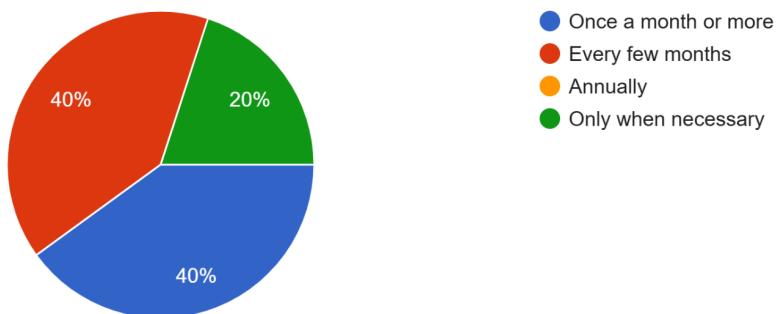
6.Your pet type

10 responses



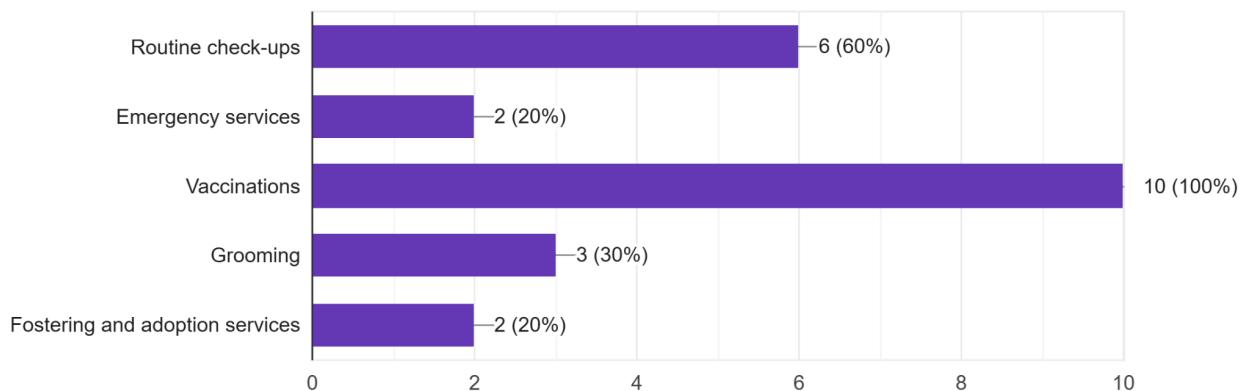
7. How often do you visit a veterinary clinic for your pet's health needs?

10 responses



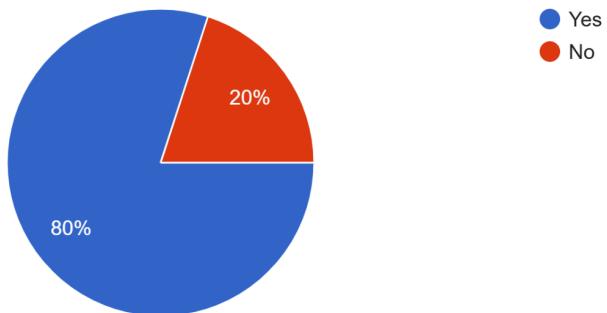
8. What services are most important to you in a veterinary clinic?

10 responses



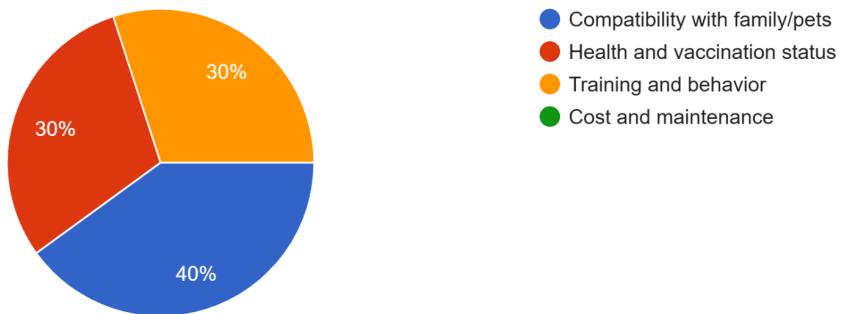
9. Would you consider fostering a pet temporarily?

10 responses



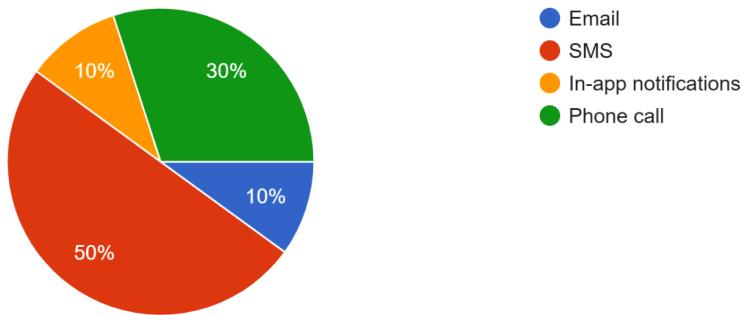
10. What are your top concerns when adopting or fostering a pet?

10 responses



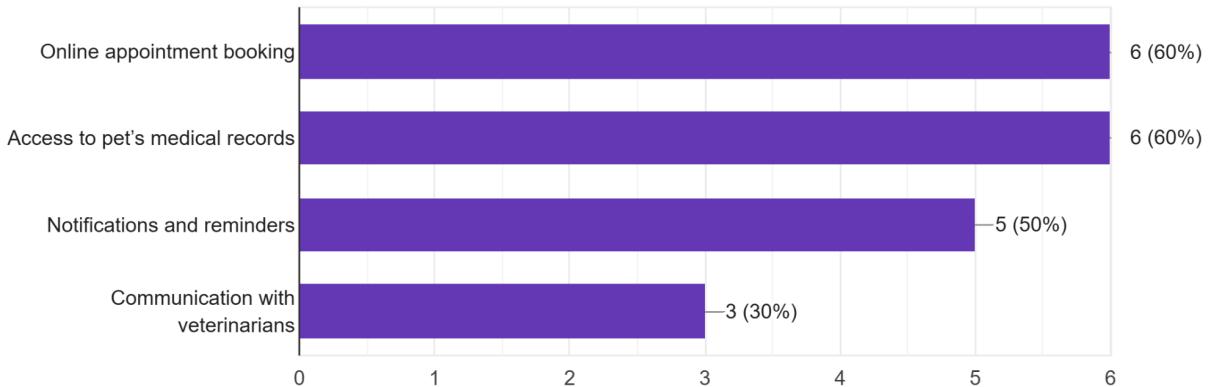
11. How would you prefer to receive updates on your pet's health or fostering status?

10 responses



12. What features would make using an online veterinary service platform more convenient for you?

10 responses



VOLUNTEERS(FOR ADOPTION PURPOSE)

1. Name

.....

2. Phone Number

.....

3. Age Group

- Under 18
- 18-24
- 25-34
- 35-44
- 45+

4. Current Institution of Study/Employment:

- College
- University
- Businessman

5. What motivated you to volunteer for this adoption program?

- Passion for helping animals and ensuring they find good homes
- Desire to gain experience in animal care and welfare
- Requirement for community service or academic credit
- Interest in working with a veterinary clinic or animal shelter

6. When are you generally available to volunteer?

- Weekdays (morning)
- Weekdays (afternoon)
- Weekdays (evening)
- Weekends (morning)
- Weekends (afternoon)
- Weekends (evening)

7. How many hours per week can you commit to volunteering?

- Less than 5 hours
- 5-10 hours
- 10-15 hours
- 15-20 hours
- More than 20 hours

8. What is your primary purpose for volunteering?

- Gaining hands-on experience with animals
- Supporting the community and animal welfare initiatives
- Building relationships and networking in the animal care field
- Fulfilling a requirement for school or a program
- Personal fulfillment and giving back to society

Survey for Volunteers:

1. Name

10 responses

Mahbub Islam

Sharmeen Akhter

Kamal Choudhury

Farzana Rahman

Nabila Sultana

Arif Rahman

Nusrat Jahan

Zakir Mahmud

Imran Hossain

2. Phone Number

10 responses

0 1718 456789

0 1799 567890

01755678901

01990901234

01944 345543

01980012345

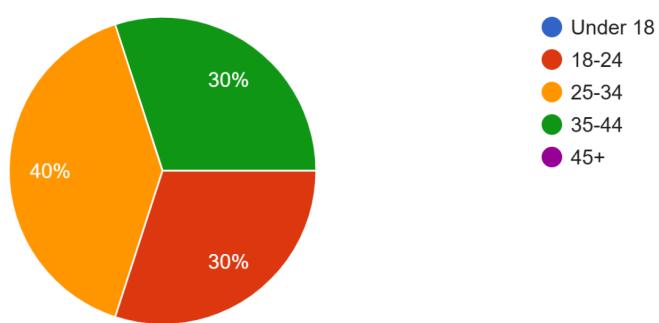
0 1944 345543

0 1755 234432

0 1722 890890

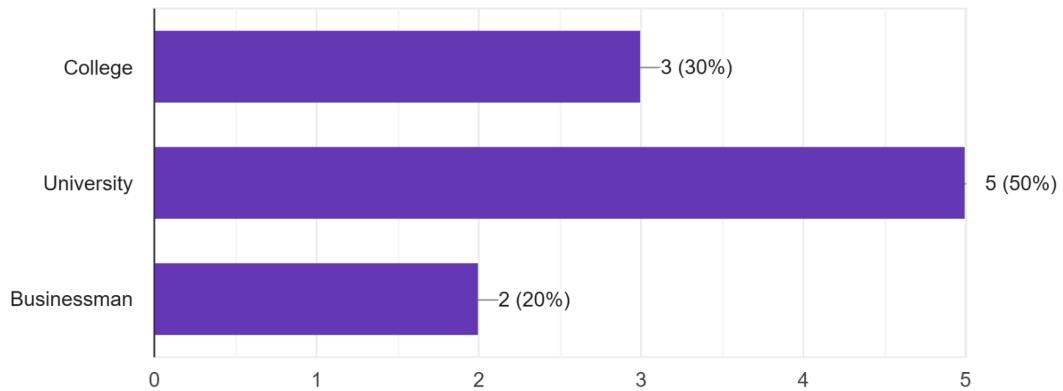
3. Age Group

10 responses



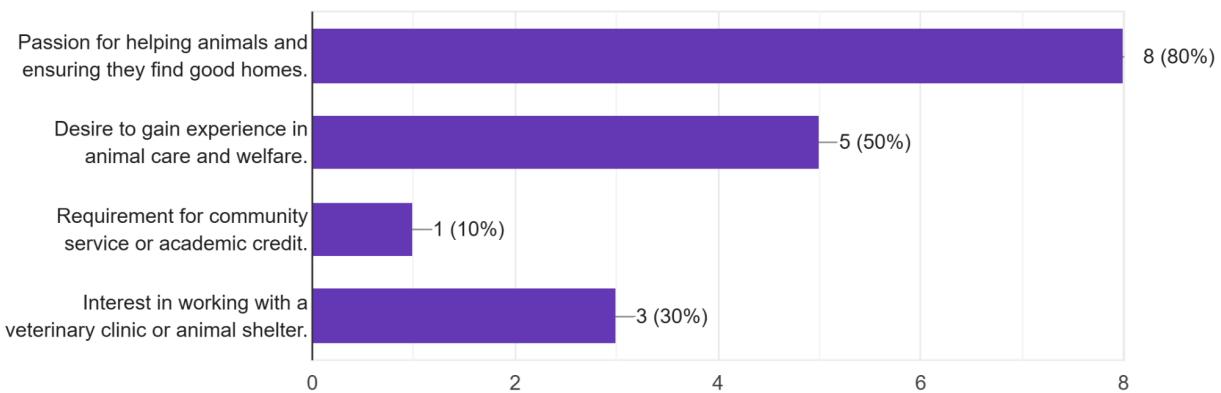
4. Current Institution of Study/Employment:

10 responses



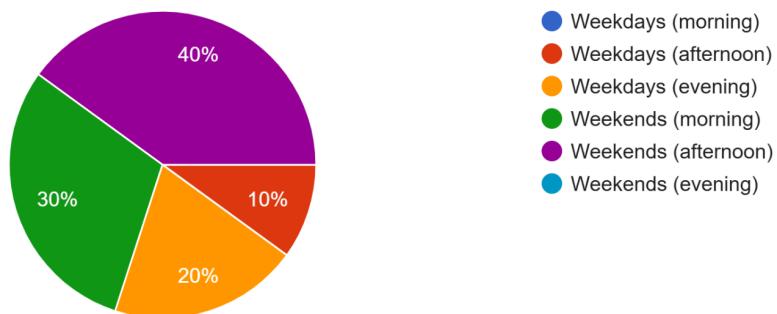
5. What motivated you to volunteer for this adoption program?

10 responses



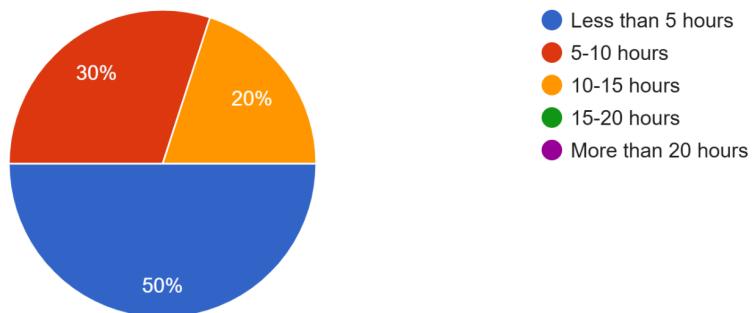
6. When are you generally available to volunteer?

10 responses



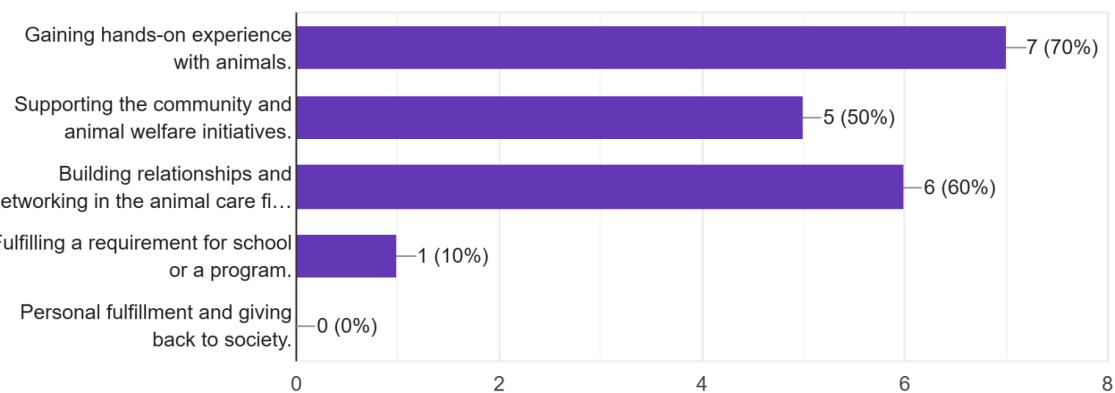
7. How many hours per week can you commit to volunteering?

10 responses



8.What is your primary purpose for volunteering?

10 responses



GENERAL STAFF:

1. Name

.....

2. Phone Number

.....

3. How do you currently handle communication between different departments?

- Email
- In-person meetings
- Messaging apps
- Other (please specify)

4. What tools would help improve efficiency in managing fostering and adoption activities?

- Centralized records
- Automated notifications for foster clients and adopters
- Clear tracking of each pet's status

5. What challenges do you face in coordinating fostering and adoption processes?

- Time management
- Communication gaps
- Tracking and updating pet information

6. What information would be useful to have readily available for better management?

- Medical records
- Foster/adoption application status
- Client details
- Payment and invoicing information

7. What type of support or resources would help you perform your tasks more effectively?

- Training on using management software
- Real-time access to updated records
- Clear communication channels within the clinic

Survey for General Staff:

1. Name

3 responses

Hasan Ahmed

Rafiq Hossain

Nazma Begum

2. Phone Number

3 responses

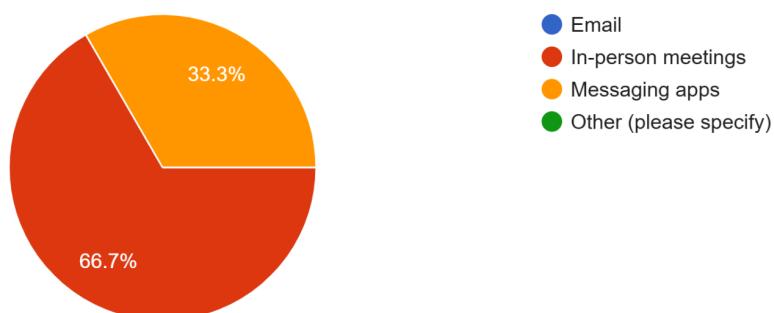
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01912345678

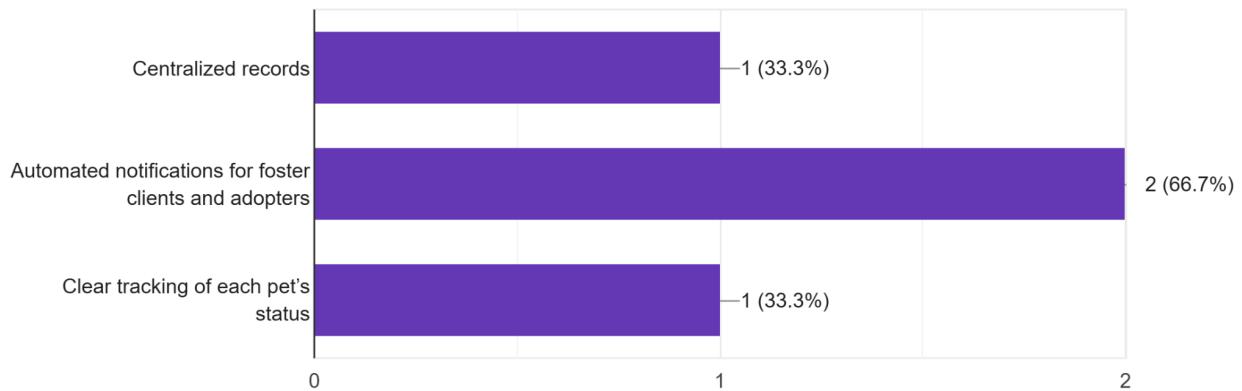
3. How do you currently handle communication between different departments (e.g., veterinary, fostering, adoption)?

3 responses



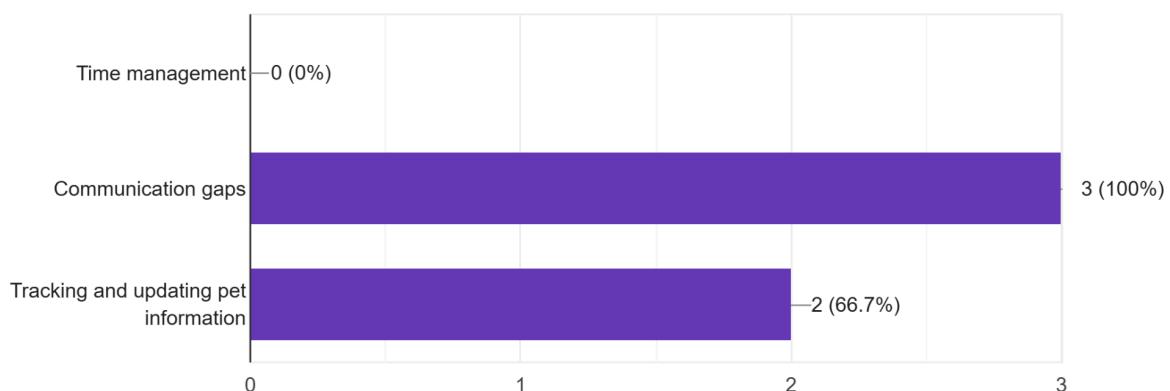
4.What tools would help improve efficiency in managing fostering and adoption activities?

3 responses



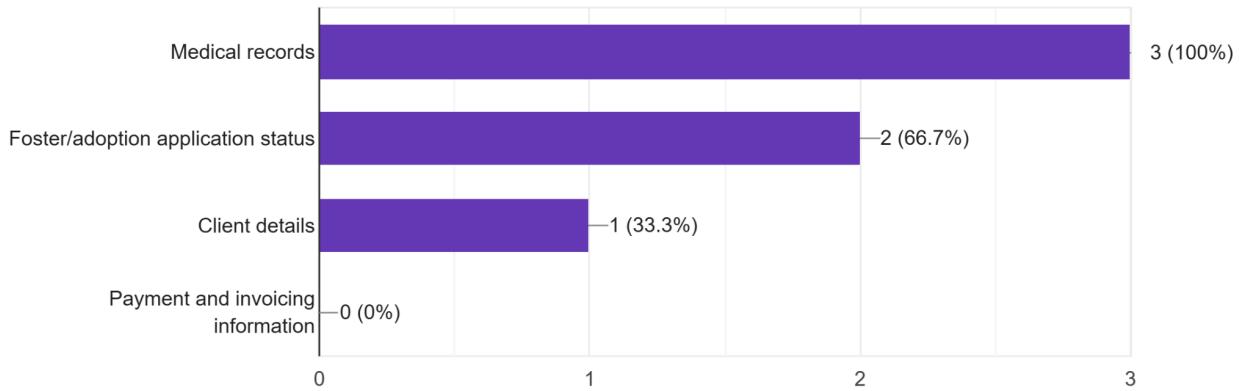
5. What challenges do you face in coordinating fostering and adoption processes?

3 responses



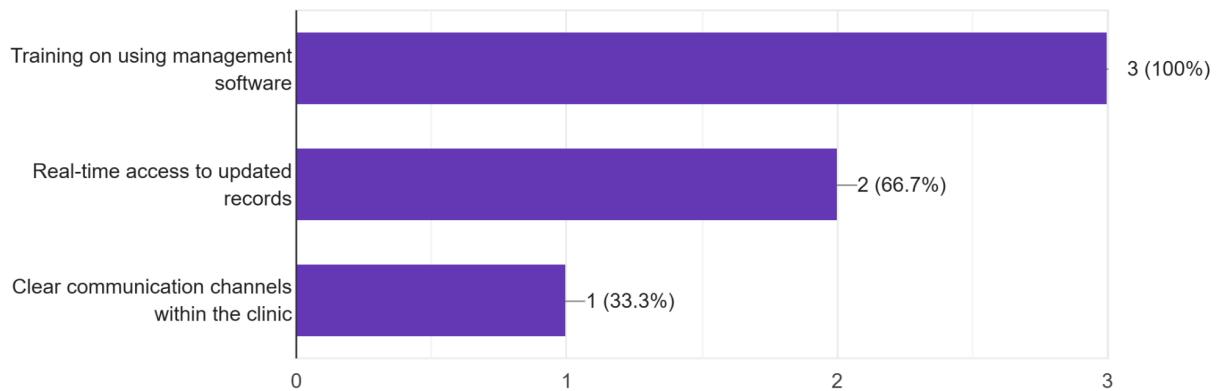
6. What information would be useful to have readily available for better management?

3 responses



7. What type of support or resources would help you perform your tasks more effectively?

3 responses



Real Life Survey:

1. Dr. Sagir Uddin

Veterinarians (Pet Doctors)

1. 1. Name

Dr. Sagir uddin

2. 2. Phone Number

0/706214759

3. 3. How do you currently manage medical records and treatment histories?

Mark only one oval.

- Paper records
- Digital files (Excel, Word, etc.)
- Dedicated software

4. 4. What features would make it easier for you to update pet medical records?

Mark only one oval.

- Access to historical data
- Automatic reminders for follow-ups
- Compatibility with diagnostic tools

Veterinarians (Pet Doctors)

5. How often do you deal with fostering or adoption-related cases?

Mark only one oval.

- Daily
- Weekly
- Monthly
- Rarely

6. What type of communication features would help you coordinate with foster clients or adopters?

Check all that apply.

- Messaging through the platform
- Automated reminders
- Medical update forms

7. How important is access to a pet's entire medical and foster history?

Mark only one oval.

- Very important
- Somewhat important
- Not important

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2. Doctor Roby

Veterinarians (Pet Doctors)

1. 1. Name

Doctor. Roby

2. 2. Phone Number

01723 649754

3. 3. How do you currently manage medical records and treatment histories?

Mark only one oval.

- Paper records
- Digital files (Excel, Word, etc.)
- Dedicated software

4. 4. What features would make it easier for you to update pet medical records?

Mark only one oval.

- Access to historical data
- Automatic reminders for follow-ups
- Compatibility with diagnostic tools

Conclusion:

PawShelter effectively delivers a comprehensive, modern platform for pet adoption and veterinary services. Its secure, accessible, and responsive features cater to real-world needs and support community welfare. The system's modular backend ensures easy updates and future growth. The PawShelter project stands as a strong example of how modern web technologies can be harnessed to solve real-life challenges in animal welfare and pet care services. By incorporating automation, secure user authentication, and structured data handling, it provides an efficient and scalable solution for clinics and pet lovers alike. Its implementation reflects best practices in web development—ensuring performance, accessibility, and sustainability. Through thoughtful design and rigorous testing, PawShelter has become a platform that not only solves technical problems but also contributes meaningfully to society by promoting animal care and community collaboration.

References:

1. Sommerville, Ian. "Software Engineering." 10th Edition, Pearson, 2015.
2. Pressman, Roger S., and Maxim, Bruce R. "Software Engineering: A Practitioner's Approach." 8th Edition, McGraw-Hill, 2014.
3. Survey Responses and Interviews with Stakeholders (Veterinarians, Pet Owners, Volunteers).
4. Official Documentation of Technologies Used (PHP, MySQL, DOMPDF, HTML/CSS/JavaScript).
5. WCAG Guidelines for Accessibility Compliance, <https://www.w3.org/WAI/>.