PET ADOPTION SYSTEM USING WEB TECHNOLOGY

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Abstract

Many good-hearted folks are prepared to adopt a pet but are unsure of where to look. The present procedures for adopting or searching for pets are ineffective. Social media sites like Facebook and Instagram are used by users to share stories about available pets. Although this approach is quite ineffective, it can be made better.

By raising awareness, facilitating access to resources, and enhancing the adoption procedure, a digital platform for animal shelters can be extremely helpful in resolving the difficulties associated with pet adoption in India.

Introduction

India's streets are home to more than 80 million stray dogs and cats. More than 8.8 million people are housed in shelters, which are increasingly filling up. People torment street animals by hurling stones at them for amusement, and they endure terrible living conditions.

Out of the 200 million dogs worldwide, 3.3 million go to animal shelters each year. 2% to 17% of pets are actually given back to their owners. Due to a lack of space in shelters, the surviving animals are put to death. The current methods for adjusting or locating a pet are ineffective and careless.

The objective of this work is to create a user-friendly website where people can easily browse for pets to adopt. The website will expand the animal shelters' audience as well. The number of stray animals may be decreased as a result of this project.
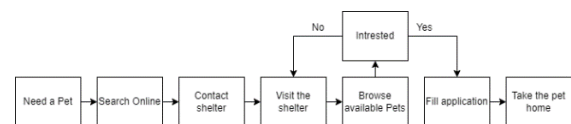
Existing System

Figure 1: Existing Pet Adoption System

The current pet adoption process is incredibly ineffective. When someone wishes to adopt a pet, they must look up animal shelters in the area. To discover a pet they want to adopt, people must go to several animal shelters. The promotion of pet adoption on social media platforms like Instagram, Facebook, and WhatsApp is done by some people, but it is not particularly effective.

The present pet adoption system in India frequently fails for a number of reasons, including:

Lack of Standardization:

The procedure for adopting pets is not standardised across the nation. Potential pet owners may find the procedures followed by various adoption agencies and organisations confusing.

Lack of Regulation:

The adoption of pets is not adequately governed or supervised. This may result in dishonest breeders or

adoption organisations taking advantage of animals and potential pet owners.

Limited Availability:

It might be challenging for those who live in rural locations to adopt pets because adoption services are frequently only found in urban areas. Also, this restricts the choices available to prospective pet owners.

Lack of Information:

Frequently, prospective pet owners lack access to reliable information on the animal they are considering adopting. This may result in a mismatch between the needs of the animal and those of the potential owner, which may result in abandonment or neglect.

Proposed System

The suggested method is a centralised web platform where animal shelters can post listings of available pets and individuals looking to adopt can browse through a list of animals available at different animal shelters.

Individuals won't need to look for animal shelters in the area. To find a pet, people won't need to go to several shelters. Via the platform, users can get in touch with the shelters directly. The adoption procedure will be extremely effective as a result.
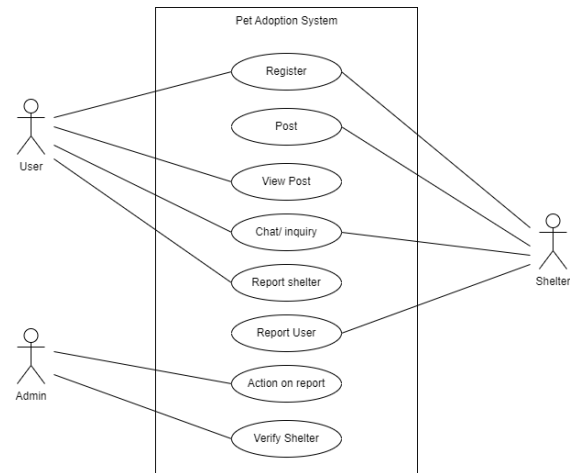

Figure 2: Use Case Diagram

The following are some ways that a digital platform for animal shelters could assist in resolving the issues with pet adoption in India:

Standardization:

By offering a centralised database of animal shelters and adoption organisations, a digital platform can assist in standardising the pet adoption process. Potential pet owners may find it simpler to choose the best shelter or organisation and comprehend the adoption procedure as a result.

Accessibility:

By offering data on animal shelters and adoption organisations around the nation, a digital platform can boost the accessibility of adoption alternatives. This can assist prospective pet owners in finding a suitable animal regardless of where they live.

Information:

A web-based platform can offer precise details about the animals that are up for adoption, such as their breed, age, temperament, and medical background. This can aid potential pet owners in choosing the right animal to adopt and ensuring that the needs of the animal are suitable with their lifestyle.

Real-time Updates:

A online platform for animal shelters can offer real-time updates on the state of animals and the pets that are currently available. This can assist prospective adopters in staying up to date on any new animals that are made available for adoption as well as any updates regarding animals that they might be considering adopting.

Better Data Management:

An effective solution to manage information about animals and adopters can be found in a web platform for animal shelters. This might include details about the animals up for adoption, their health histories, and the status of their adoption. The software can also save data about possible adopters, such as their contact information and preferences, which can help to speed up the adoption process and enhance communication between the shelter and potential adopters.
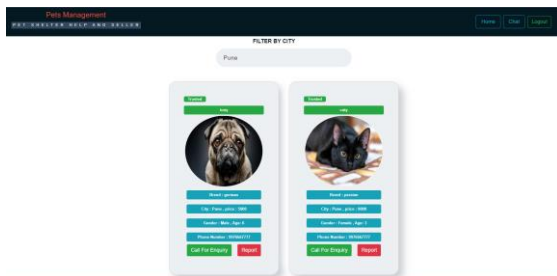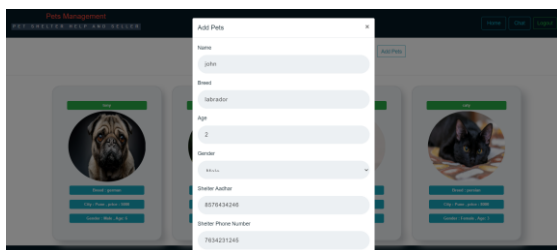
Modules

Figure 3: User Module

Figure 4: Shelter Module

Figure 5: Admin Module

Future work

Mobile Application:

We intend to create a mobile application for this platform in the future to make it simpler for people to utilise.

Lost and Found:

This platform can be enhanced with a lost and found feature that will allow users to submit information about their lost pets for other users to view. With this platform, the owner of the found pet can be contacted.

Veterinary Module:

Adopting a pet is the first step in providing for them, but caring for that creature is equally crucial, and no one is more qualified to do that than a veterinarian. So that users can quickly identify veterinarians nearby, we intend to include a veterinary module in the future.

Conclusion

In conclusion, by raising awareness, standardisation, regulation, availability, information, and lowering costs, a digital platform for animal shelters can assist in addressing the difficulties in pet adoption in India.

Our pet adoption application's prototype was successfully created. The following are the main goals our application aims to accomplish: -

- Individuals will learn about stray animals in their area that want assistance.
- There will be a decrease in the number of stray animals put to death.
- Kind hearted people will have the chance to help defenceless animals.

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