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Review Paper

Web Application for Stray Animal Adoption and Care Website

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Abstract: The project aims to create a user-friendly website to support the sheltering and adoption of stray animals. Users can upload basic details, pictures, and information about stray pets through a simple form. These details are displayed on the website for potential adopters to view and select a pet for adoption. Adopters can apply by filling out a form with their details, and both parties can connect using their contact information to finalize the adoption process.

To ensure pet safety, all user information is securely stored in a database. Additionally, the website allows certified veterinary doctors to register to provide free treatment to stray animals. Users can view the list of nearby veterinarians and contact them for assistance with treating animals in need. The platform also features carousels promoting awareness and kindness toward stray animals, inspiring users to contribute to their welfare. A dedicated "Contact Us" section addresses user queries and concerns. By connecting compassionate individuals, the website fosters a community that shelters, treats, and improves the lives of stray animals, promoting a positive impact on society.

IndexTerms - Component,formatting,style,styling,insert.

I. INTRODUCTION

Animals are one of the most important factors in our environment. As most of them are dependent on us human beings for their survival, it is our utmost duty to serve them with full sincerity and care. If in case they are not treated well they can cause harm to us. We should always be kind to animals whether it is our pet animal or an orphan stray animal that does not have anyone to take care of him. Because if we treat them well they will also give back the same love and affection to us. For this purpose, we should do whatever we can to make them happy and give them a good life.

When it comes to pet animals their life is comparatively easier than the stray animals, as they have someone to provide them shelter, food, and other facilities. But those stray animals don't have anyone to look after them. These things make it hard for them to get a secure life. For this purpose, we should adopt these stray animals or at least find someone who can care for them. If we find a good person who could take good care of these stray animals and provide them the love they want it will be really good. It becomes quite difficult to find someone to adopt an animal as many people are not good and we don't have proper information about them. For this purpose, to find someone to adopt a stray animal and also find someone who has a stray animal whom he wants someone to adopt, we have created our own stray animal care and adoption website. As the name suggests this website provides two main features, first is stray animal adoption and the second one is its care. When it comes to the adoption of animals we have provided two interfaces. One interface provides service to the person who wants to add a pet for adoption.

This user has to follow a few simple steps to add a specified animal for adoption. The first step is to click on the 'add pet' card provided on the homepage of our website. After this, he has to fill out a simple form which will ask him to submit his and the specified pet's basic information, after this he has to click on the submit button and then the pet will be added for adoption. The second interface is for the person who wishes to adopt a pet and provide him with a shelter. This person has to also click on a card named 'Adopt pet' on the homepage of the website. This will take him to the next page which consists of form. He has to then fill in his basic information as it is necessary for us to hand over the pet to a good and verified person. This information which he has submitted will be saved in our database. After filling out the form the same person can call the person who has uploaded the pet's information for adoption and then they both can complete the adoption process and provide this stray animal a home to live. The next functionality which we have provided on the website is providing free of cost treatment to needy animals. For this purpose, any veterinary doctor who wants to provide free service to these animals can visit our website and fill out the volunteer service form. Here he has to submit his basic information and then his information will be displayed to the person who has a stray animal in his area who needs urgent treatment in the 'find a veterinary doctor' section. Here this person can select a doctor living near his 4 areas, using his contact details they can communicate with each other and can help this stray animal.

II. LITERATURE REVIEW

[1]Pet Adoption Web Application

A Dog Adoption Web Application is based on helping dogs and providing them with a safe place where they can live in peace and get love and support. It helps the dog to have a new life where he can be happy. Animal adoption in India is usually done by buying dogs/cats from a Dog shop or buying from people whose Dogs have had babies. There are only a few people who adopt stray Dogs. There are 76 lakhs of farm animals entering animal shelters worldwide annually out of which 27 lakhs are euthanized. So, the quantity of euthanized animals will be reduced if people adopt Dogs rather than buying them from Dog markets. The dog catchers in India behave roughly with dogs which are some things we want to vary. The inspiration for this project may be an Android and iOS Website for people to be more responsive to the animals awaiting to be adopted around India. The main objective of this project is to develop a website that focuses on spreading information about the dogs that are surrendered to the animal shelter and thus helping them get a brand new home.

[2]Predicting Animal Shelter Pet Adoption Times and Feature Importance Analysis Using CatBoost", C. Sazara and X. Gao, 2022, 2022 IEEE 11th International Conference On Intelligent Systems (IS), Warsaw, Poland, pp. 1-4. This paper contains US provide Care for stray Or unwanted animals. Its main focus is to determine the time for which the animal is kept under shelter until

Its adoption and build a future predictive model of adoption. It is further divided into 2 major groups: Adoption in less than 15 days. Adoption in More Than 15 days. To maintain each data tree-based Boosting method is used. This method is trained and tested To Split the dataset.

[3]A pet Adoption Application

To begin the research on pet adoption and digital platforms, an in-depth literature review was conducted. This review included scholarly articles, websites, and research papers. The review focused on several key topics, such as the advantages and difficulties of pet adoption, the growth of digital adoption platforms, and user perceptions and experiences.

[4]Happy Paws – Android pet application support to their owners. Walking a dog daily benefits both the human and the pet by promoting physical activity and mental well being. Pets also provide companionship to individuals who are lonely, stressed, or elderly, offering solace and reducing isolation. Additionally, animal-assisted therapy, commonly involving dogs or cats, is used to bring comfort to hospital patients or nursing home residents. The pet care industry has grown significantly in response to the rising demand for pet-related services and products. In 2016, dog and cat food dominated approximately 70% of the pet care market in retail value. Pet food, designed to meet the nutritional needs of specific animals, is essential for their growth and health. Veterinary services are another core aspect of pet care, providing medical checkups, vaccinations, microchipping, surgeries, and other treatments. Responsible pet owners ensure their pets receive proper veterinary care when needed. Pet grooming services have also gained popularity, offering treatments like nail care, hair grooming, bathing, and spa services. These services cater to owners who may lack the skills or time to groom their pets. Overall, the pet care industry continues to expand alongside advancements in technology and the evolving attitudes of pet owners toward their furry companions.

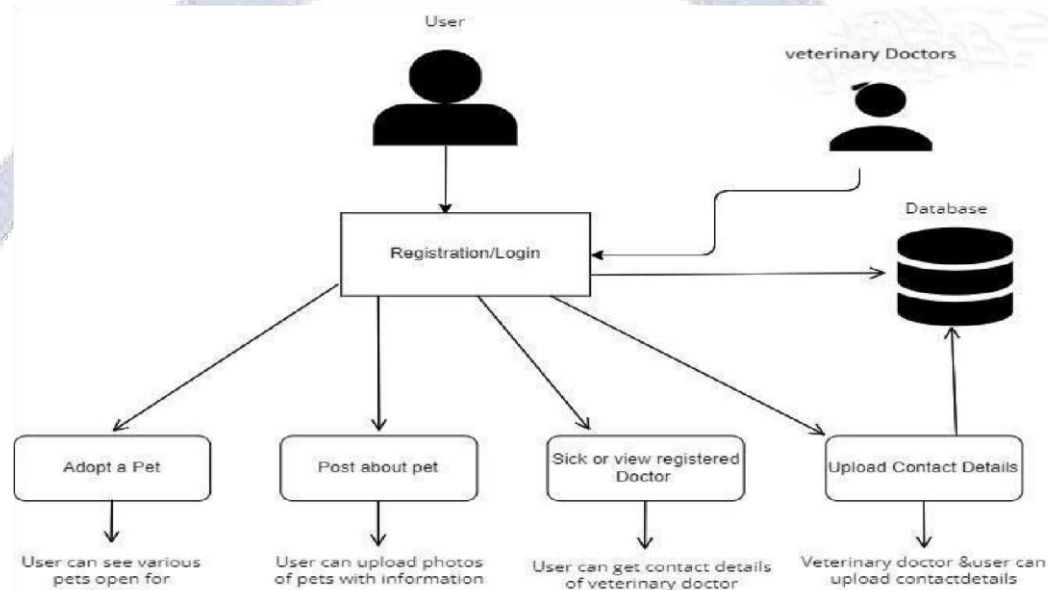
[5]A Pet Adoption System Using Web Technology

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 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.

III. PROPOSED METHODOLOGY

3.1 Methodology:



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- **Adopt a pet:**

This module provides an interface for users to adopt pets from all the uploaded pets on-site. Initially, the module gives the user the choice of pet he has to adopt. For example, various types will be available like dogs, cats, etc.

- **Upload pet information:**

A user willing to donate a pet or upload information about any stray pet in his area can upload details of a pet in this module. Details fill in like the photo, age (approx.), breed, area, and contact details of the person uploading the details.

- **Register as a veterinary doctor:**

This module contains a registration form for veterinary doctors who are willing to provide free treatment to sick or injured animals. The form will take information like name, contact details, qualification, and service area in which he can provide service.

- **Contact veterinary doctor:**

This section will display registered doctors according to their service areas. The user finding for veterinary doctor will have to provide a pin code of his locality to search for doctors registered in that area.

3.2 Implementation:

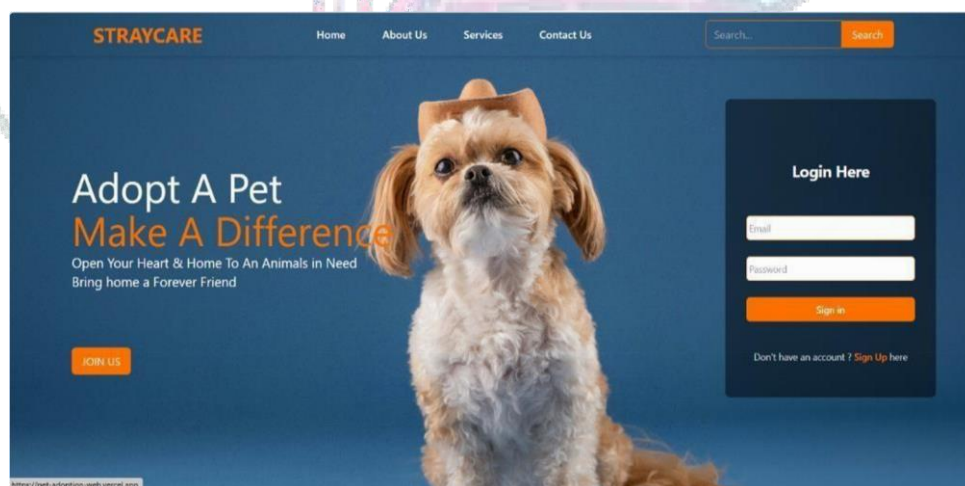
Our implementation process involves translating vision into reality, where every feature and functionality is meticulously crafted to serve the needs of both our users and the animals they seek to help. From the intuitive user interface design to the robust backend infrastructure, we strive for excellence in every aspect. Leveraging cutting-edge technologies, we aim to provide a platform that simplifies the adoption process while fostering a sense of community among animal lovers. Together, implementation and testing form the foundation of our endeavor to create a platform that not only facilitates the adoption of stray animals but also advocates for their care and well-being. Join us in our mission to make a meaningful difference, one adoption at a time.

3.3 Overview

This document provides an overview of stray animal adoption, including its purpose, scope, and features. It also outlines the user classes and characteristics, operating environment, and design constraints. To create a compassionate community where every stray animal finds a loving home and receives proper care, ensuring their well-being and reducing the number of animals living on the streets.

IV. RESULTS AND DISCUSSION

I. Home Page

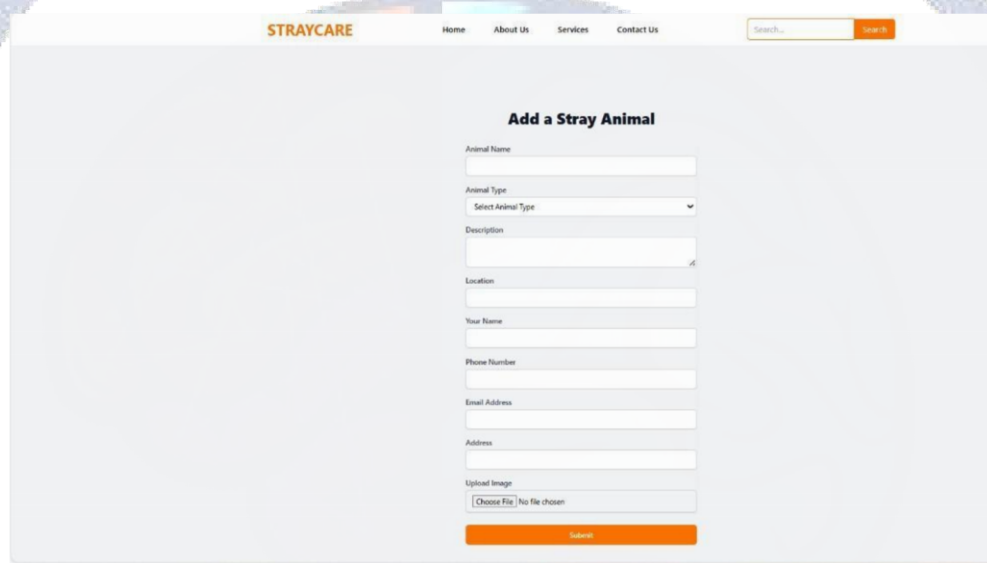


Email ID: This field allows users to enter their registered username or email address.

Password: This field is where users enter their associated password. It is usually masked to protect the security of the user's credentials.

Sign Up: A link for users who don't have an account: "Sign Up here."

II. Registration Section



The screenshot shows a web form titled "Add a Stray Animal" on a website called "STRAYCARE". The form has a light gray background and is centered on the page. It contains the following fields: "Animal Name" (text input), "Animal Type" (dropdown menu with "Select Animal Type" as the placeholder), "Description" (multiline text area), "Location" (text input), "Your Name" (text input), "Phone Number" (text input), "Email Address" (text input), "Address" (text input), and "Upload Image" (a button labeled "Choose File" with the text "No file chosen" next to it). At the bottom of the form is an orange "Submit" button. The website's navigation bar at the top includes links for "Home", "About Us", "Services", and "Contact Us", along with a search bar.

This form allows users to report a stray animal, provide its details, and upload a photo. This is likely part of a platform for tracking, rescuing, and caring for stray animals.

Animal Name: A text input where users can give a name to the stray animal (optional or known name).

Animal Type: A drop-down menu for selecting the type of animal (e.g., dog, cat, bird, etc.).

Description: A multiline text box for additional details about the animal (condition, color, markings, injuries). **Location:** A text input to specify the location where the stray animal was found.

Your Name: A text input for the reporter's name, helping to identify who submitted the information.

Phone Number: A field to collect the reporter's contact number for follow-ups or rescue coordination.

Email Address: A field for the reporter's email for correspondence and updates.

Address: An optional field for the reporter's full address, possibly for verification or future assistance.

Upload Image: A file upload option for adding a photo of the animal which aids in identification rescue

efforts.

III. Contact Us

A Contact Us page is essential for providing users with ways to contact an organization. It typically includes: ○ Information about how the organization can be reached (e.g., email, phone, address).

- A form for submitting inquiries or feedback.
- Clear instructions or guidance for users seeking help or wanting to communicate.

IV. ADOPT A PET

This Page appears in the “ADOPT A PET ” section of the stray animal adaptation and care website. Each pet has:

- A placeholder image ("150 x 150").
- Name, species, and a brief description.
- A call-to-action button ("Adopt [Name]") for each pet.
- Location of the pet.

V. CONCLUSION

Adopting a stray animal in India is a rewarding experience. It's a journey filled with challenges, but the love and joy you receive in return are immeasurable. Remember, every stray deserves a loving home, and by adopting, you're giving them a second chance at life. Animals play a vital role in our environment and deserve kindness, care, and protection. Whether pets or stray animals, they rely on humans for their well-being. It is our moral responsibility to ensure their safety and happiness. Pets

often have a more comfortable life due to the love and care they receive, while stray animals face numerous challenges in securing necessities like food, shelter, and medical care.

To address this, a meaningful step is to create a stray animal care and adoption website. This platform provides solutions for adopting stray animals and ensuring their medical needs are met. With user-friendly interfaces, it facilitates both the addition and adoption of animals, connecting those in need with compassionate individuals and fostering a community of care. By enabling veterinarians to volunteer their services for stray animals requiring treatment, the website further extends its mission to improve the lives of animals.

Through collective efforts like these, we can make a significant difference in the lives of animals, ensuring they receive the love and care they deserve. By embracing kindness and taking responsibility, we create a better world for both humans and animals alike.

VI. REFERENCES

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