

A Mini Project Report on
Animal Rescue Website
T.E. - I.T Engineering

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Academic year : 2022-23

CERTIFICATE

This to certify that the Mini Project report on Animal Rescue Website has been submitted by **Sanskruti Rawal (20104020), Divyal Chheda (21204005) and Muskan Rao (20104096)** who are a bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfillment of the requirement for the degree in **Information Technology**, during the academic year **2022-23** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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1. Introduction

The Animal Rescue Website is a web-based application wherein the welfare of pet animals is taken care of. It is a place where stray, lost, abandoned, or surrendered pets are bought and severed. Each pet requires special care and attention which is fulfilled in the organization. The website allows the user to adopt a pet, volunteer towards the pet, purchase the products that are related to pets and donate the desired amount to the organization. Since this website is developed for a non-profitable organization, the amount donated will be utilized for the welfare of the pets. The user of the website can work towards a pet as a volunteer and also he/she can adopt the pet from the application. Thus, this website allows users to develop humanity in themselves and to provide a well-being help for the society.

1.1 Purpose

Animal rescue is a much-needed social service that helps protect animals from dangerous situations that often involve cruelty and abuse. Many animals are turned out of shelters due to evictions, expensive health concerns, or other unavoidable circumstances. Thus, it is necessary to save the lives of pets. We also need help to stop cruelty in mass breeding facilities. Thus, we need to adopt an animal to provide shelter, one will be saving them from fear, distress, and death. Moreover, a lot of shelter animals are abandoned pets that had their comfort and happiness snatched away.

1.2 Problem Statement

1. A lack of public awareness



One of the highest priority problems for animal shelters is a lack of public awareness, both in how to handle their pets to prevent overpopulation and in the valuable services organization provide in placing animals in good homes. According to the American Society for the Prevention of Cruelty to Animals (ASPCA), 34% of dogs are purchased from breeders, while only 23% of dogs are obtained from animal shelters. This is why so often human societies and animal shelters will hold charity events and “showcase days;” not only does this encourage people to adopt an animal but it also raises public awareness of the great work human societies do.

2. Funding is hard to come by

Running an animal rescue organization is difficult; we have to balance the desire to help as many animals as you can against the need to run profitably in order to keep your doors open. Compounding this issue is that there is little federal or subsidized funding available for humane societies, meaning many of the non-profits have to make hard decisions in how many animals they can help, how much staff they can maintain, and how effective they can be. As a result, donations are always gratefully accepted. Whether it be by giving needed items, monetary donations, or even just giving some of your free time as a volunteer, there are many ways animal organizations help alleviate their financial burdens.

3. There are too many animals needing space



Approximately 6.5 million animals enter animal shelters or animal organizations nationwide every year. This absolutely staggering number of animals means that, as much as they want to find good homes for each, it can be quite challenging to do so. For “no kill” shelters, this means that unless they can consistently find homes for their animals (a

trying task during even the best of times), they can run out of room to take animals. This means that every year, animals that are otherwise perfectly healthy have to be put down. This problem will only grow as the animal population continues to rise, so make sure to let anyone thinking about purchasing a pet know about the benefits to adopting. This is a problem that will not go away unless we all pitch in and do our part to help, as best we can!



1.3 Objectives

- To establish a companion animal licensing system, Compliance with basic preventative healthcare measures such as vaccination and parasite control; annual veterinary check-ups; mandatory identification and registration.
- To improve legislation and regulations against animal neglect and abuse, by strengthening and extending police powers, increasing penalties for offenders, and increasing public educational programmes concerning responsible companion animal care and related topics.
- To organize Animal Welfare Training programmes for volunteers and the public.
- To build and maintain shelters and rescue homes for animals.
- To provide Ambulances for animals in distress.
- To spread awareness about pets and related information.

1.4 Scope

- The main scope for this project is limited to the intranet for time being it is not deployable on any handheld devices.
- It also automates the process of serving towards the welfare of the pets by giving the abandoned pets a place of shelter, care for them with affection.
- The user can gain the knowledge about any medical related or any veterinary centers where they can save the pet's life being at home.
- Also, it provides all information regarding the viruses, diseases and/or services where user can easily contact for the same.
- Also, to provide ease of working towards the welfare of abandoned, stray, lost, or surrendered pets.
- It saves time, paperwork is less and easy retrieval of records.
- Automating the system reduces the process of middlemen who take a commission.

2. Literature Review

1. Pet Adoption Website

Author : Randall Dsouza*1, Vijay Vidhrani*2, Siddhi Bhatade*3, Tanaya Kadam*4, Pratibha Pednekar*5

A Pet Adoption Website is a website based on helping pets and providing them a safe place where they can live in peace and get the love and support. It helps the pets to have a new life where he can be happy. Animal adoption in India is usually done by buying dogs/cats from Pet shop or buying from the people whose Pets have had babies. There are only a few people that adopt stray Pet. 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 Pet rather than buying them from Pet markets. The pet catchers in India behave roughly with pet which are some things we want to vary. The inspiration of this project may be a Android and iOS Website for people to be more responsive to the stray animals awaiting to urge adopted around India.

2. A New Web-Based Tool for RTO-Focused Animal Shelter Data Analysis

Author : Tom Kremer Minerva Schools at KGI, San Francisco, CA, United States

Animal shelters are increasingly interested in reducing their intake and helping their communities keep and care for animals. Improving Return-to-Owner (RTO) rates of stray dogs is one path to save significant shelter space, time, and costs and keep animals with their caregivers and communities. Aggregating and visualizing RTO data spatially are useful for identifying trends and highlighting areas for potential interventions. Since shelters collect similar data, an interactive web application was developed to make such an analysis easily reproducible. The results affected the shelter's hold time for strays, highlighted target areas for microchip programs, and motivated neighborhood-based methods to locate found dogs' owners. Shelters are welcome to use the tool and participate in the development of new analytical lenses and visualizations that would best suit their needs.

3. Proposed System

The main goal of the website is to offer donation portals to a vast number of charities for not only domestic animals but also for the wild animals that need protection against the changing environments and inhabitable living conditions.

It also makes rescued animals available as pets for potential pet parents who can provide them with great love and care.

3.1 Features and Functionality

- Users can register to the website.
- Users can login to their profile.
- This website mainly focuses on donation for animals.
- Users can also donate towards charities for their favorite animals be it domestic animals or the wild ones.
- We provide basic first-aid information for animals on the website in the form of blogs.
- We also provide contact information incase users need emergency hospital or veterinary services.
- Users can access information about the ongoing and future events taking place near them, if they wish to be a part of them.
- Users' basic contact information along with their past donations will be present in their respective profile pages.

4. Requirements Analysis

- **Performance Requirements**

The load time for the user interface screen should take no longer than 5 seconds.

- **Design Constraints**

The application should be able to run on any Pc or Laptop.

- **Availability**

The application should be available at all times whenever user wants to use.

- **Hardware requirements :-**

- RAM**

- The application requires a device with a minimum of 512MB RAM while running.

- Processor speed**

- The application requires a device with a minimum processor speed of 1GHz while running.

- **Software requirements :-**

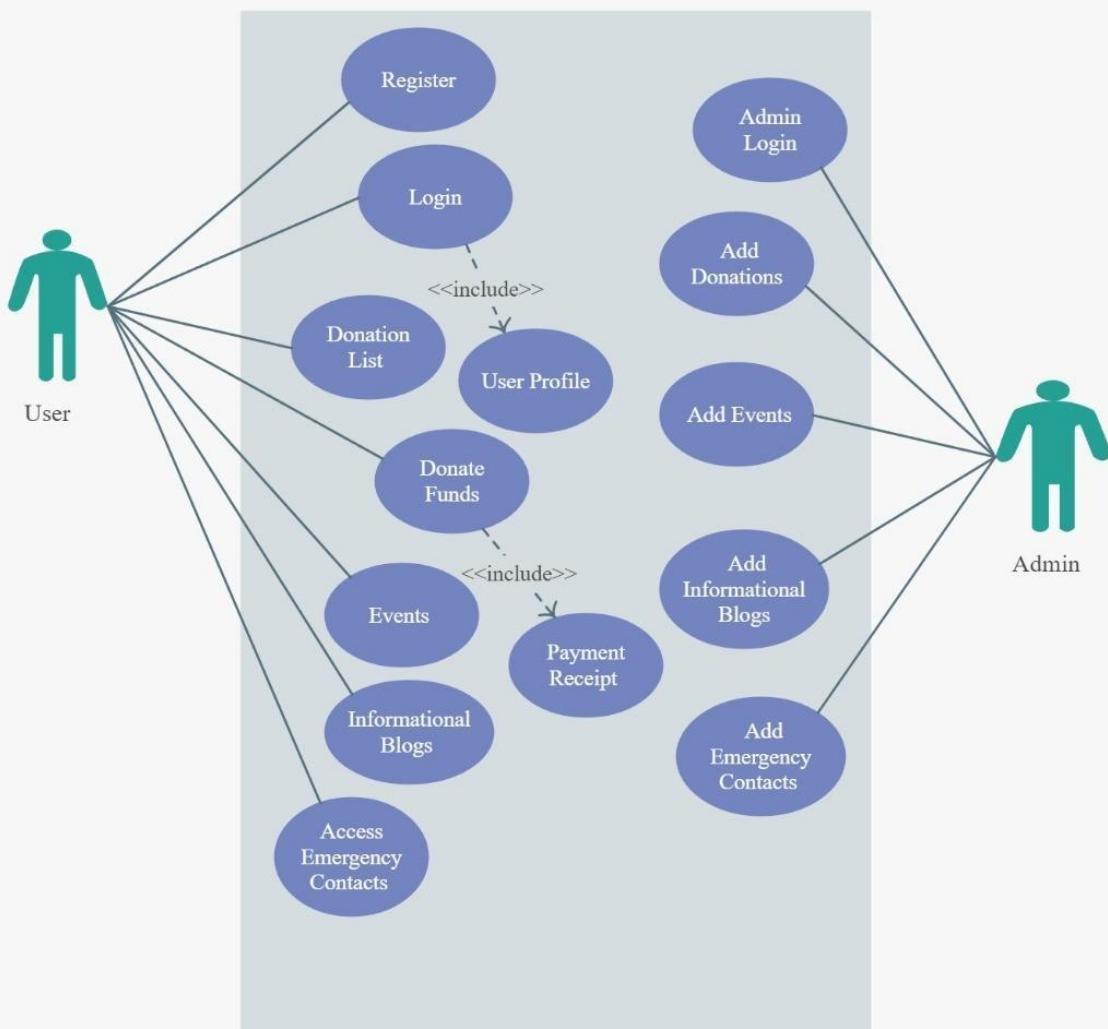
- Operating system**

- The application must run on any Operating System.

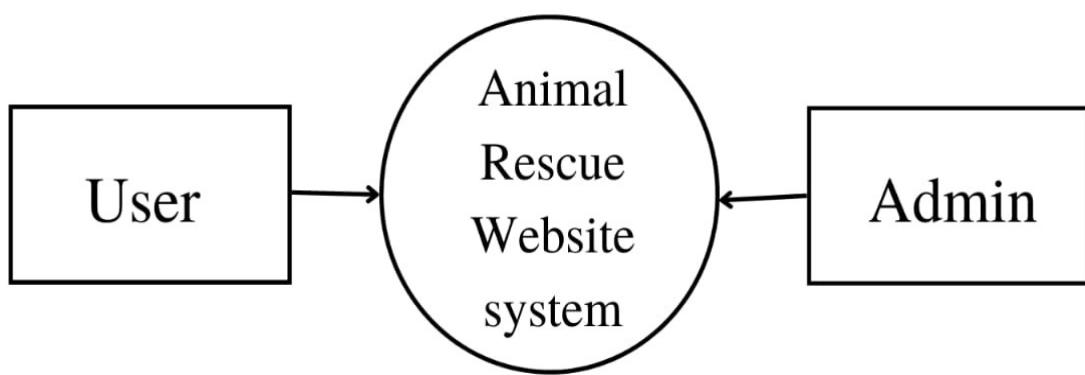
5 . Project Design

5.1 Use Case diagram

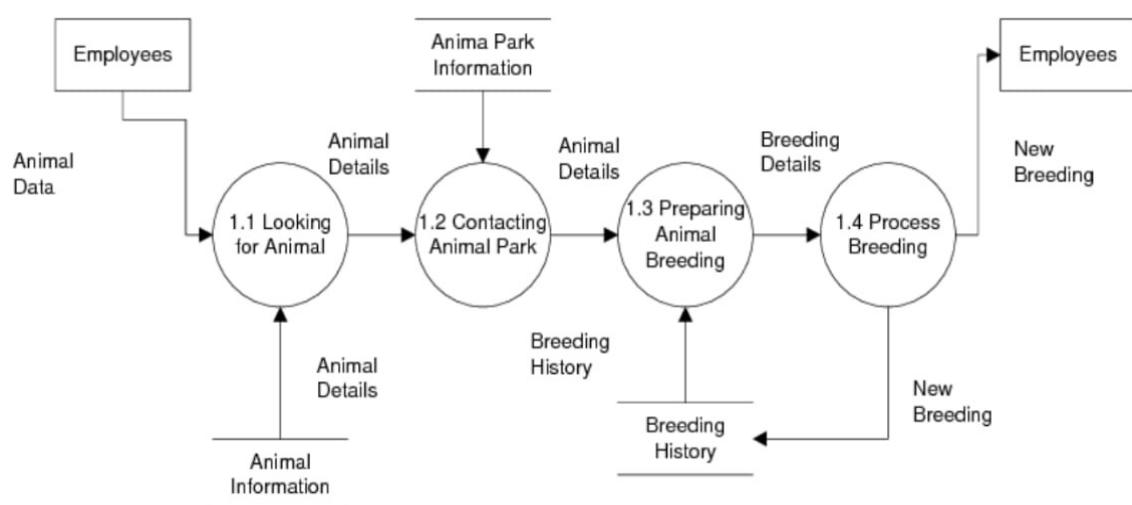
Use Case for Animal Rescue Website



5.2 DFD (Data Flow Diagram)

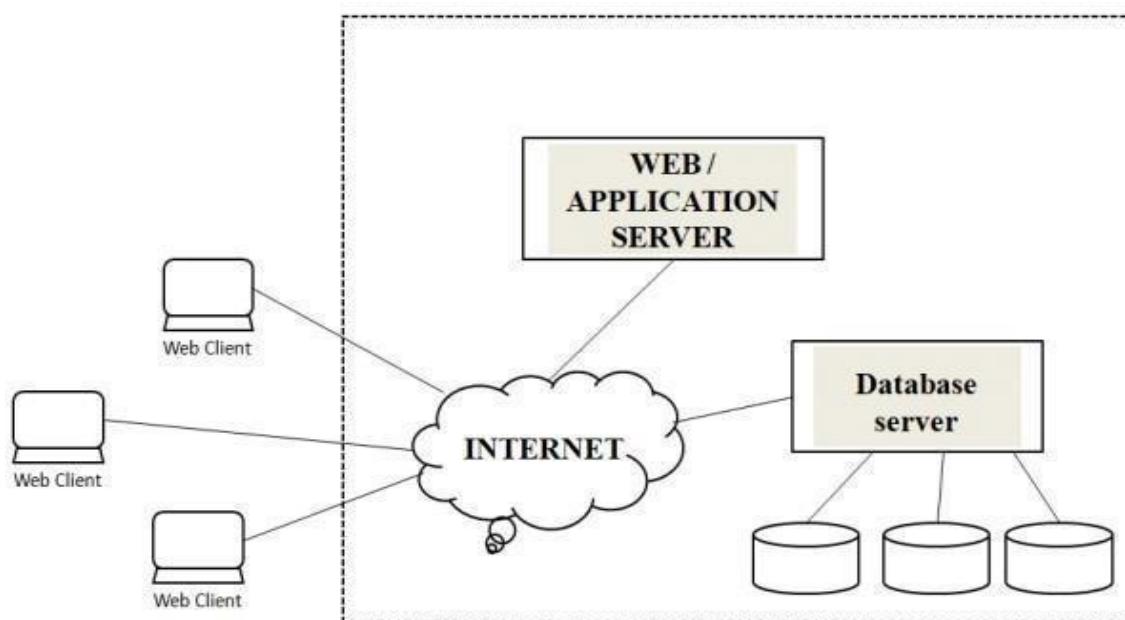


DFD Level: 0



DFD Level:1

5.3 System Architecture



6 . Technical Specification

■ Development: VS Code

- VS Code also known as Visual Studio Code is a source code editor made by Microsoft for Windows, Linux, MacOS. It has various features such as Debugging, Syntax highlighting, extension, intelligent code completion.

■ Frontend: Html, CSS, JavaScript

- As a web developer, the three main languages we use to build websites are HTML, CSS, and JavaScript. JavaScript is the programming language, we use HTML to structure the site, and we use CSS to design and layout the web page. These days, CSS has become more than just a design language, though. You can actually implement animations and smooth transitions with just CSS.

■ OS: Windows

- Windows is a graphical operating system developed by Microsoft. It allows users to view and store files, run the software, play games, watch videos, and provides a way to connect to the internet. It was released for both home computing and professional works.

■ Backend: Firebase

- Firebase is a set of hosting services for any type of application (Android, iOS, Javascript, Node.js, Java, Unity, PHP, C++ ...).It offers NoSQL and real-time hosting of databases, content, social authentication (Google, Facebook, Twitter and Github), and notifications, or services, such as a real-time communication server.



7. Project Scheduling Template

Divyal Chheda Sanskruti Rawal Muskan Rao	1 st week of January	<u>Implementing 1st module/ functionality</u> Discussing the design of our project and implementing it.
	1 st week of February	<u>Main menu</u> Implementing the main Product page of our Animal Rescue website.
	3 rd week of February	<u>Implementing 2nd module/ functionality</u> (designing next page/ functionality): Here the users can access all the Facilities <ul style="list-style-type: none">• Login/Register• View the Website• Donate
	By end of May month	<u>Implementing 3rd module/ functionality</u> (Guest page/ functionality): Users will get a glimpse of the system <ul style="list-style-type: none">• Fully working Animal Rescue Website

8. Implementation

```
<!DOCTYPE html>

<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Paws & Play - Give Love for Saving World Animals</title>

    <!--
        - favicon
    -->
    <link rel="shortcut icon" href="./favicon.svg" type="image/svg+xml">

    <!--
        - custom css link
    -->
    <link rel="stylesheet" href="./assets/css/style.css">

    <!--
        - google font link
    -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
```

```
    href="https://fonts.googleapis.com/css2?
family=Inter:wght@400;500;600&family=Roboto:wght@300;400;500;700&
family=Oswald:wght@600&display=swap"

    rel="stylesheet">

</head>

<body>

<!--
 - #HEADER
-->

<header class="header" data-header>
<div class="container">

    <h1>
        <a href="#" class="logo">Paws & Play</a>
    </h1>

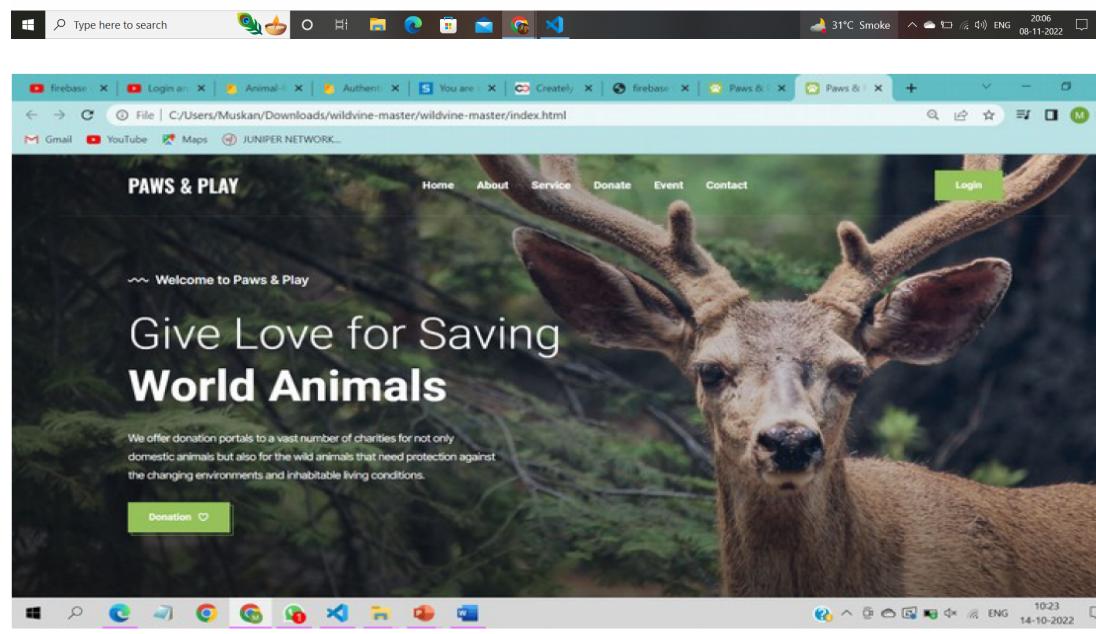
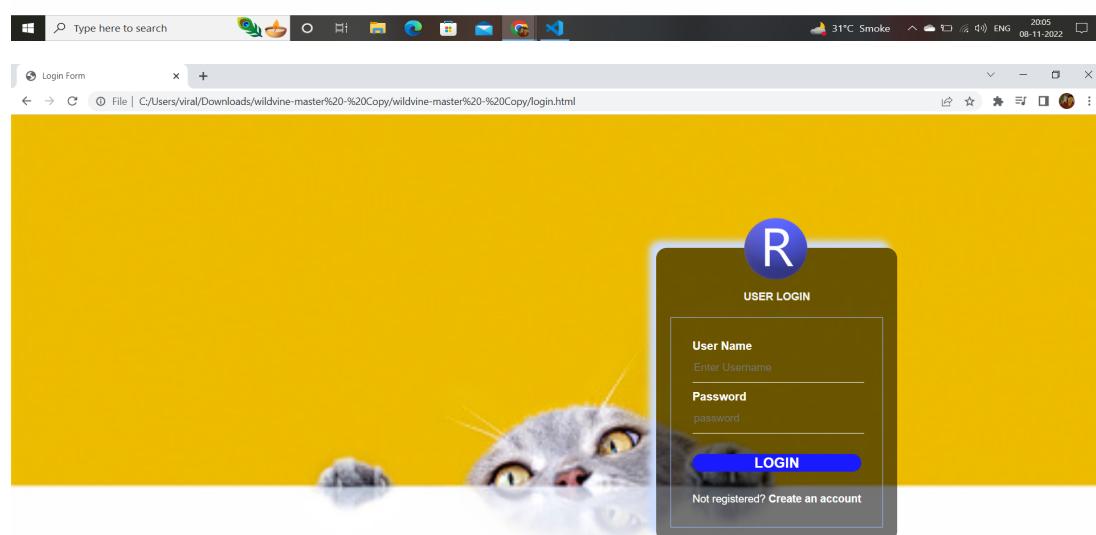
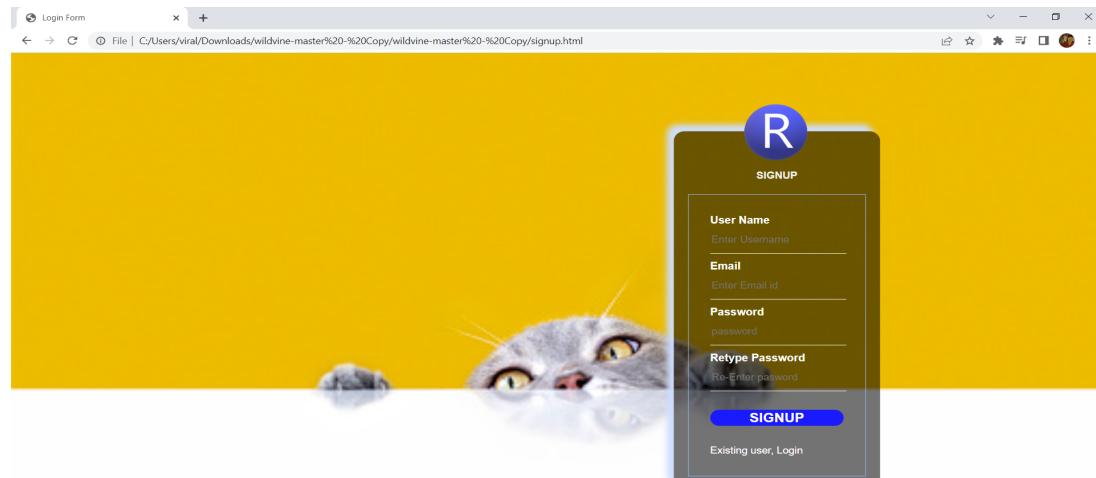
    <!-- <select name="language" class="lang-switch">

        <option value="english">English</option>
        <option value="french">French</option>
        <option value="spanish">Spanish</option>

    </select> -->

    <button class="nav-open-btn" aria-label="Open Menu" data-nav-open-
btn>
        <ion-icon name="menu-outline"></ion-icon>
    </button>
</div>
</header>
```

9. Result & Discussion



Paws & Play - Give Love for Savin

File | C:/Users/viral/Downloads/wildvine-master%20-%20Copy/wildvine-master%20-%20Copy/index.html#about

PAWS & PLAY

Home About Service Donate Event Contact Login

Why Choose Us
Rise Your Hand to Save World Animals Life

Our Mission Our Vision Next Plan

We make rescued animals available as pets for potential pet parents who can provide them with great love and care.

- ✓ Charity For Domestic Animals
- ✓ Charity For Wild Animals
- ✓ Charity For Abandoned Animals
- ✓ Charity For Endangered Animals

Important : Lumpy skin disease (LSD) is caused by infection of cattle or water buffalo with the poxvirus Lumpy skin disease virus (LSDV). Click the below button to learn about this virus going now-a-days!

Learn about Lumpy Virus

Type here to search 30°C Smoke 08-11-2022

firebase Login Animal Authen You are Create firebase Paws & JUNIPER NETWORK...

PAWS & PLAY Home About Service Donate Event Contact Login

What We Do
We Work Differently to keep The World Safe

First Aid for Birds Train Dogs Feeding Animals Animal Rights

Read More Read More Read More Read More

10:23 14-10-2022

firebase Login Animal Authen You are Create firebase Paws & JUNIPER NETWORK...

PAWS & PLAY Home About Service Donate Event Contact Login

Raised \$256 83% Raise Hand To Save Animals Goal \$34962 Raise \$962 To Go \$884

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Raised \$256 83% Raise Hand To Save Animals Goal \$34962 Raise \$962 To Go \$884

10:23 14-10-2022

Paws & Play - Give Love for Savin... + File | C:/Users/viral/Desktop/wildvine-master%20-%20Copy/wildvine-master%20-%20Copy/index.html#event

PAWS & PLAY

Home About Service Donate Event Contact Login

~~ Our Testimonials

What People Say About Our Organization

 This NGO has helped me lot! I was having a pet puppy named Jimmy. He was accidentally caught by some people and they were asking for money in return of my puppy. I found this NGO's contact and They rescued my puppy without any money and nurtured him and safely returned me. I thank PAWS & PLAY.

David S. Neuman
Business Manager



Windows 10 Taskbar: Type here to search, Start button, File Explorer, Edge, File, Mail, Photos, Google Chrome, File, 30°C Smoke, 2014, ENG, 08-11-2022

Paws & Play - Give Love for Savin... + File | C:/Users/viral/Desktop/wildvine-master%20-%20Copy/wildvine-master%20-%20Copy/index.html#event

PAWS & PLAY

Home About Service Donate Event Contact Login

~~ Events & Programs ~~

Our Most Popular Causes For Building Fund

Nov 11	To the Rescue! 6:00 PM, New York
Apr 03	Animal Care Expo, 2023 New Orleans
Mar 27	Compassionate Hearts Program Chanakyapuri, New Delhi

Windows 10 Taskbar: Type here to search, Start button, File Explorer, Edge, File, Mail, Photos, Google Chrome, File, 30°C Smoke, 2015, ENG, 08-11-2022

Inbox (495) - div... | MINI_PROJECT_REPO... | GRP3_E-COMMERCE... | GRP3_E-COMMERCE... | 20104101_B49... | W: Firebase - Wikipedia | New Tab | PAYMENT GATEWAY | + File | C:/Users/viral/Desktop/PAYOUT/payment.html

Pay

Donation for Animals

Add New Card

Card Number: Expiry:
 Card Holder's name: CVV:

Save card securely for future payments [Know More](#)

₹ 500 [View Details](#) Pay Now

Test Mode

Windows 10 Taskbar: Type here to search, Start button, File Explorer, Edge, File, Mail, Photos, Google Chrome, File, 34°C Smoke, 15:59, ENG, 06-11-2022

10. Conclusion & Future Scope

Our Animal Rescue Website mainly focuses on smart work which also saves time. Our website also provides ease of working towards the welfare of abandoned, stray, lost, or surrendered pets. The main scope for this project is that it is not deployable on any handheld devices.

References

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- <https://www.frontiersin.org/articles/10.3389/fvets.2021.669428/full>