

## Title

### **Pet Adoption Management System: Enhancing Efficiency and Matching Pets to Loving Homes**

## Scope

This project focuses on developing a pet adoption management system that facilitates the adoption process for animal shelters and rescue organizations. It allows administrators to manage available pets, adoption inquiries, and potential adopters through a centralized platform. **The system's scope will be limited to shelters in a specific city**, but it can be extended to a regional or national level in the future. **Previous tools in this domain** include basic spreadsheets or manual databases, as well as proprietary software limited to large organizations. This system will cater to small to medium-sized shelters with limited budgets and technological infrastructure.

## Objective

The major goals of this project are to:

1. Develop a user-friendly platform that simplifies pet adoption processes for shelters and adopters.
2. Provide real-time updates on the availability of pets.
3. Enable easy tracking of the adoption process, from initial inquiries to final adoption.
4. Reduce administrative burden on shelters through automation and improved data management.
5. Facilitate better matching of pets with suitable adopters using key criteria (e.g., pet's breed, age, adopter's preferences).

## Problem Statement and Description

|                                |   |
|--------------------------------|---|
| The problem of                 | inefficient management of pet adoption processes in animal shelters   |
| affects                        | shelter staff, potential adopters, and the overall adoption rates   |
| the impact of which is         | delayed adoptions, increased administrative workload, and potential mismatches between pets and adopters  |
| a successful solution would be | a streamlined, automated system that improves record-keeping, enhances communication between shelters and adopters, and accelerates the matching process to find suitable homes for pets. |

## **Challenges Faced by Animal Shelters**

Animal shelters often face challenges in managing the large number of pets awaiting adoption. Traditional, manual methods for handling adoption records, inquiries, and pet details lead to inefficiencies and human error. Without an organized system, shelters struggle to maintain accurate, up-to-date information on pets and potential adopters, resulting in delays and missed opportunities for adoption.

## **Proposed Solution: Pet Adoption Management System**

The proposed Pet Adoption Management System addresses these problems by providing a digital platform to streamline the adoption process. With an integrated system, shelters can efficiently manage pet records, automate the adoption process, and enhance the overall experience for both staff and adopters. The system will allow adopters to view available pets, submit inquiries, and track the status of their adoption requests in real-time.

## **Key Features and Benefits**

- **Efficient Record Management:** Automates the process of maintaining up-to-date pet records, minimizing manual errors.
- **Enhanced Communication:** Streamlines interactions between adopters and shelters, improving response times and satisfaction.
- **Real-Time Tracking:** Adopters can view the current status of their inquiries and adoption requests, enhancing transparency.
- **Better Pet-Adopter Matching:** Uses key criteria to match pets with suitable adopters, improving success rates for adoptions.

## **Feasibility and Implementation**

This solution is feasible due to the increasing digitalization of services, growing awareness of pet adoption, and the availability of affordable technologies for shelters. The system can be deployed with minimal hardware requirements and will significantly improve shelter operations and pet adoption rates.