



Project Report

Advanced Object Oriented Programming Laboratory

Course Code: CSE 2118

Section: D

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1. Introduction

Pet Adoption System is a Java-based online application developed to assist pet adoption groups in more successfully managing their pet adoption process. This system is designed to link pet seekers with pet owners, shelters, and rescuers by providing an efficient and user-friendly platform.

The system provides an easy-to-use interface for pet owners, shelters, and rescuers to post information on animals available for adoption that the people may access. The system is very adaptable and may be tailored to meet the individual demands of various pet adoption teams.

Purpose

The purpose behind this Pet Adoption System is to create a platform for pet owners to quickly discover and adopt their selected pets. The system attempts to streamline the pet adoption process by linking interested pet adopters with available pets and their owners. The system's goal is to encourage individuals to adopt pets from shelters and rescue organizations, giving them a loving home and lowering the number of stray animals on the streets. The system also gives a platform for pet owners to advertise their pets for adoption, boosting their chances of finding a suitable home for their dogs. Finally, the Pet Adoption System seeks to encourage responsible pet ownership and make a positive difference in the lives of pets and their owners.

Objective

The Pet Adoption System's main objective is to link animal shelters, rescue groups, and individuals with potential pet adopters. The system's goal is to make pet adoption easier and to encourage people to adopt pets rather than buy them from pet stores or breeders.

Motivation

The Pet Adoption System was created to give a platform for pet lovers to quickly locate and adopt their ideal pets. The system seeks to make pet adoption easier by offering a user-friendly interface that allows people to browse various dogs and select the one that best meets their needs. Furthermore, the system assists animal shelters and rescue organizations in finding suitable homes for their pets, thereby reducing the number of homeless animals. By providing users with information on pet care and training, the initiative also promotes animal welfare and supports responsible pet ownership. Overall, the method is a beneficial tool that assists both dogs

and pet owners in locating one another and developing a pleasant and successful connection.

2. Description of Project

The system includes modules for admins, pet adoption agencies, and regular users. Admins can use the admin module to manage pet adoption agencies, accept or reject adoption applications, and administer the overall system. Pet adoption agencies can use the pet adoption agency module to manage their pets, see and handle adoption applications, and update their agency profile. Users can search for pets by breed, age, and see pet profiles, and submit adoption applications. A database is used by the system to hold information on pets, adoption agencies, and adoption applications. Overall, the Pet Adoption System provides a user-friendly and effective platform for connecting and managing the adoption process between pet adoption organizations and potential adopters.

List of Features

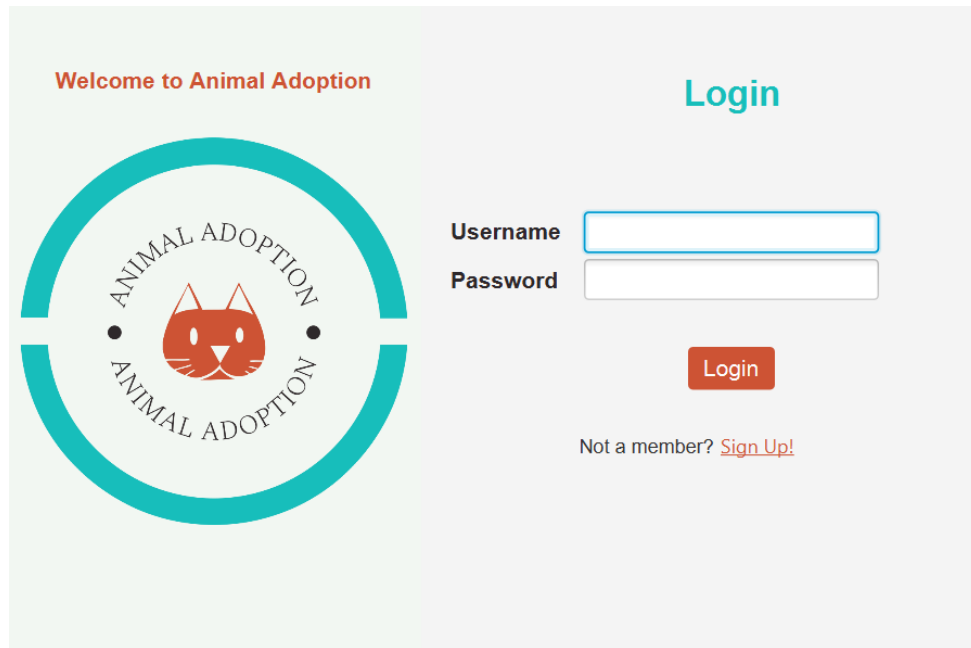
- User Registration and Login
- User Profile
- Pet Adoption Listings
- Pet Details
- Adoption Applications
- User Blogs
- Admin Profile

Description of each feature

- User Registration and Login:
 - Users can create a new account by providing their name, email address, NID, and password.
 - Users can log in to their account using their email address and password.
 - Users can reset their password if they forget it.
- User Profile:
 - Their names, emails, contact information and address will be displayed.
 - There will be cards for the pets they own.
 - Lists of adoption requests (received and sent both).

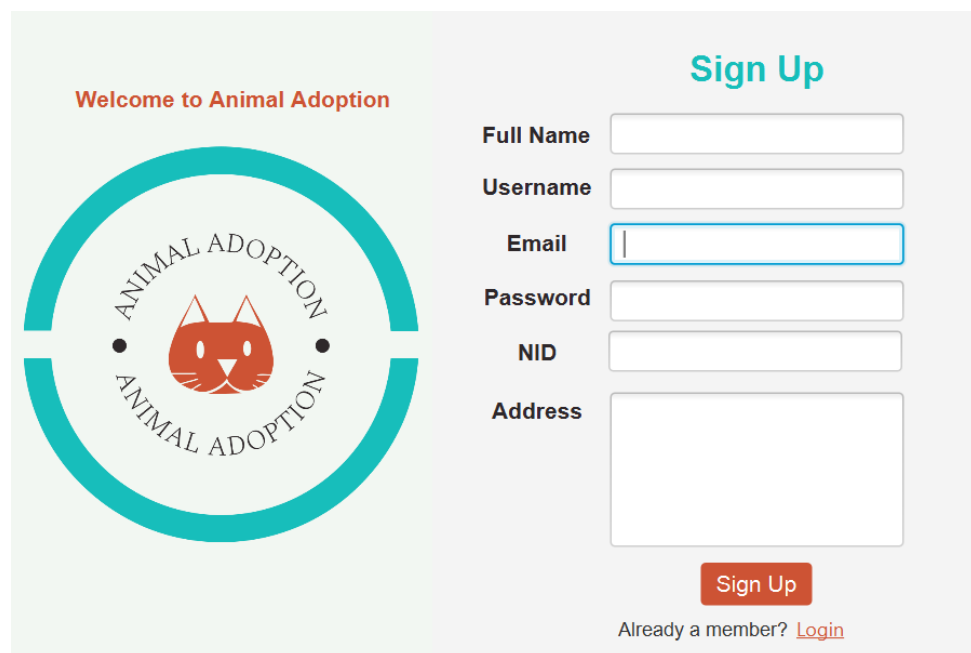
- Pet Adoption Listings:
 - Users can create a new adoption listing by providing the pet's name, species, breed, age, description, and photos.
 - Users can edit or delete their pet listings.
 - The adoption listings will be displayed on the platform, including the pet's name, species, age and a thumbnail photo.
 - Users can click on a pet listing to view more details about the pet.
 - Users can search for pets by name, or species.
- Pet Details:
 - Users can request to adopt the pet by clicking on a button named "Request for Adoption".
 - When a user clicks on the "Request for Adoption" button, the application will open a form for adoption application, which the user will fill out with their details.
- Adoption Applications:
 - Users can view a list of adoption applications for their adoption listings.
 - Users can approve or reject adoption applications for their listings.
 - When a user approves an adoption application, the application will send an email to the adopter.
- User Blogs:
 - Users can create posts about their pets.
 - Other users can make comments under these posts.
 - Blog posts can have images.
 - Blog posts can be edited or deleted.
 - Post creators can delete comments.
- Admin Profile:
 - Admin can view all the adoption requests.
 - If any user wants to sell their pet, then admins can ban their profile.
 - When Adoption Process is successful both user get a notification.

3. Screenshots



The screenshot shows the login page for 'Animal Adoption'. On the left, there is a circular logo with a teal border. Inside the circle, a red cat face is centered, with the words 'ANIMAL ADOPTION' written in a circular path around it. Above the logo, the text 'Welcome to Animal Adoption' is displayed in a reddish-brown font. To the right of the logo, the word 'Login' is written in a teal font. Below this, there are two input fields: 'Username' and 'Password'. A red 'Login' button is positioned below the password field. At the bottom right, there is a link that says 'Not a member? [Sign Up!](#)'.

Login Page



The screenshot shows the sign up page for 'Animal Adoption'. On the left, there is a circular logo with a teal border. Inside the circle, a red cat face is centered, with the words 'ANIMAL ADOPTION' written in a circular path around it. Above the logo, the text 'Welcome to Animal Adoption' is displayed in a reddish-brown font. To the right of the logo, the word 'Sign Up' is written in a teal font. Below this, there are six input fields: 'Full Name', 'Username', 'Email', 'Password', 'NID', and 'Address'. A red 'Sign Up' button is positioned below the 'Address' field. At the bottom right, there is a link that says 'Already a member? [Login](#)'.

Sign Up Page

Welcome demouser!

Name

Demo User

Username

demouser

Email

demo@mail.com

Address

Lalmatia

Adoption Listing

Adoption Application

Settings

Logout

User Profile Page

Back to Profile

Add for Adoptions

Pet Name

Species

Breed

Age

Description

Add

Update

Delete

Apply for Adoption

List of Adoptions

ID	Pet Name	Species	Breed	Age	Description
1	Chiku	Afghan Hound	Afghan Hound	2 years	Lorem Ipsum is simply du...
2	Tommy	Boxer	Boxer	1.5 years	Lorem ipsum
3	Tom	CAt	Boxer	2 years	Lorem ipsum
4	Alex	Boxer	German Shephard	2 years	Lorem ipsum
6	Nikki	Dog	German Shephard	3.5 years	Lorem ipsum
7	Poka	Bird	Lovebird	6 months	Bites hand
9	Sam	Cat	Persian	2 months	jfsjd
10	tokhd	grgtrg	ewf	refe	vdfv

Pet Adoption Listings Page

4. Future Works

Scope and Plans

The scope of this Pet Adoption System's is to create an effective and user-friendly platform for pet adoption organizations and prospective pet owners. The system's goal is to make the pet adoption process easier by offering a single database of pets available for adoption and allowing interested persons to search for and read information about dogs, such as their breed, and age.

Firstly, we intend to incorporate more sophisticated services for pet owners, such as online appointment booking with veterinarians and trainers, as well as a more thorough record-keeping system for canine health and behavior.

Second, we intend to broaden the system's reach to include animal shelters and rescue groups, allowing them to post available animals for adoption to the platform and allowing users to explore a broader choice of adoptable dogs.

Next, we intend to add a payment mechanism that will allow users to donate to animal shelters. Moreover, we also have in view an integration with social media platforms to increase visibility and reach, and a messaging system for potential pet owners to communicate with adoption agencies.

Lastly, we aim to develop a mobile application for the Pet Adoption System, which will provide users with an even more convenient way to browse adoptable pets, schedule appointments. Overall, our goal is to continuously improve the Pet Adoption System to better serve pet owners, animal shelters, and the pets themselves, and to promote animal welfare through responsible pet ownership and adoption.