

**CEBU INSTITUTE OF TECHNOLOGY - UNIVERSITY**

**COLLEGE OF ENGINEERING AND ARCHITECTURE**

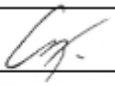
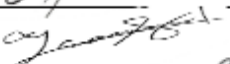
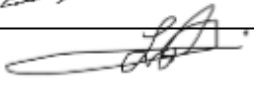
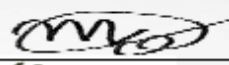

**Software Requirements Specifications**

*for*

**Lucky Paws**

*(A Pet Adoption Application)*

## Signature

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## Change History

Version	Date	Reason For Change
1	July 5, 2022	Drafting of SRS
2	July 9, 2022	Minor Revision for Introduction and Overall Description
3	August 3, 2022	Updating UI, Use Cases and Product Functions

## Preface

This document contains Lucky Paws' software requirements specifications (SRS) (a Pet Adoption Application). The specs for the Pet Adoption App's expected development are described in detail in this document. The objective, functions, and requirements of the project will all be covered in this document. The users and application developers are the intended audience for this SRS. The SRS can be understood even if you don't know much about computer systems or other technologies.

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# 1. Introduction

## 1.1. Purpose

This project's goal is to design and create a system for managing pet adoptions. The system will make it possible for animal shelters and rescue organizations to oversee the adoption procedure and monitor the development of each pet. Additionally, it will offer a way to keep track of records and report on adoptions. Adopting a pet will be simple, quick, practical, and effective through this application.

The target audience for this app is pet-loving individuals who will genuinely provide care for animals in need. This app is accessible to all users and has no requirements for adopting a certain pet. It consists of the type of pet, life span, breed, and location of adoption.

This project's objective:

- It aims to provide updates on pets that are available for adoption by providing animal shelters and rescues with an application.
- Users can adopt different kinds of pets in such a way that they can choose via click the pet that suits their standards of pet.
- They can choose the quality of a pet they want, like in terms of breed, type, life range, and many more.
- To help animal shelters and rescue organizations find owners for the animals they have saved.
- To evaluate the system in order to determine the user's ability, capability, and dependability in pet adoption.
- To make the process of adopting pets simple, quick, and convenient.

## 1.2. Scope

This program is accessible to everyone, but it can only be used on desktop computers with internet connectivity. This is convenient for those who love pets or are looking for pets that are available for adoption. Access to the internet is required. Once the installation is complete, the user can access the app. It can only be run on the Windows operating system. This app is beneficial for stray animals, people who love pets, people who want to spend time with animals, pet owners who can't meet their pets' needs, and people who just care about animals in general.

## 1.3. Definitions, Acronyms and Abbreviations

**Adoption** - the legal process of becoming a non-biological parent or the act of taking something on as your own.

**Animal Rescue Group/Organizations** - a private organization or a private endeavor which takes in certain animals (mostly pet animals or companion animal only) from abusive homes or homeless situations.



**Application** - It is a computer program designed to carry out a specific task other than one relating to the operation of the computer itself, typically to be used by end-users.

**Computer System** - It is a basic, complete and functional hardware and software setup with everything needed to implement computing performance.

**Desktop** - is a computer display area that represents the kinds of objects one might find on top of a physical desk, including documents, phone books, telephones, reference sources, writing and drawing tools, and project folders.

**Desktop Application** - desktop application is a computer program that runs locally on a computer device, such as a desktop or laptop computer, in contrast to a web application, which is delivered to a local device over the Internet from a remote server.

**Developer** - an individual who is responsible for creating or working on the development of a product or service.

**Fur baby** - a person's dog, cat or other pet animal that has fur, especially when it is treated with the love and attention you would give a child.

**Lucky Paws** - The project developers came up with the name for the application since the majority of pets have paws, and we think that makes them lucky because it gives them an opportunity to be fostered by people who would take the best possible care of them.

**Operating System (OS)** - is software installed on a computer's hard drive that enables the computer hardware to communicate and operate with the computer software. Without a computer operating system, a computer and software programs would be useless.

**Software** - is a set of instructions, data or programs used to operate computers and execute specific tasks.

**Users** - Alternatively referred to as an end user, a user is any individual who is not involved with supporting or developing a computer or service. For example, you are the end-user of the computer you are using when you call technical support for help.

**Windows** - Microsoft Windows (also referred to as Windows or Win) is a graphical operating system developed and published by Microsoft. It provides a way to store files, run software, play games, watch videos, and connect to the Internet.

## 1.4. References

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## 1.5. Overview

Three components make up this specification:

The project definition and its goal are stated in the **introduction** for the users.

The **Overall Description** explains the functions and perspective of the project. It describes the user's relationship with the software. It also identifies the project's reliance on other programs or user responses, as well as its presumptions on how end users would use it.

**Specific requirements** are the things that have to be met for the program to work.

## 2. Overall Description

### 2.1. Product perspective

The software application will only be developed and be made available in desktops and laptops. The app could be installed in any modern or outdated computers. Lucky Paws provides a simple platform for users to have a chance to adopt a pet based on their likings.

### 2.2. Product functions

**1. Pet Feed** - This concept is the same as the news feed concept, but the only difference is that the feed of this app is constantly updating a list full of adorable pets looking for shelter. The user can choose a pet to adopt here or post a pet that needs a home and a caring owner to take care of its needs.

**2. Pick Me** - The user will be able to adopt a particular pet they like from the news feed, and doing so will take them to an adoption panel where they can see the necessary information or details of a certain pet they want to adopt, and through this they can see the pet owner's contact details for other necessary information they want to ask.

**3. Look for a shelter for your pet** - The user will be able to upload a photo of the pet and a description of its history, condition, etc. Then it will be posted to the pet feed so that other people who are interested in adopting a certain pet may view it.

**4. Profile** - Whether it has been validated or not, the user's basic information is shown here. Other users' certain details from the profile will be visible to the pet owner's when the other users click "Pick Me" and through that, the pet owner can identify if certain users are verified adopters or not. The same goes for other users'; they can see the owner's contact details if they click Pick Me.

### 2.3. User characteristics

The expected users of Lucky Paws must have the basic knowledge on how to operate a computer in order for them to run the software application.

The user is free to select the companion animal they want to adore and take care of. If they want fur babies, they can have cats, dogs, or any animal as long as they can meet the needs and care for the pet they want to adopt. They can choose from a variety of animals if they wish to adopt.

### 2.4. Constraints

Internet connectivity is necessary to run this app, to receive notifications or updates from the app about the pets to be adopted. And also, having a laptop or a desktop computer is also needed to download the software application. The app's users are the ones who post the animals that are available for adoption, thus their access is important. The pet feed would not include any material if there were no users to submit available pets for adoption, hence it is essential.

## **2.5. *Assumptions and dependencies***

People with bad intentions, such as adopting the animals to eat them, adopting to try to make a profit by selling the animals, etc., might be able to get into the app, but we will ensure safety of the animals, therefore will require users to provide important information to prove their identity and track them if necessary. We will be able to identify a user who abuses the animals they adopt since they will be required to provide personal information up front and be asked for a legitimate ID, which allows us to identify them. With this, the developers can be able to report and trace them with the help of the National Bureau of Investigation.

## 3. Specific Requirements

### 3.1. External interface requirements

#### 3.1.1. User interfaces



Figure 3.1.1.1 - Get Started

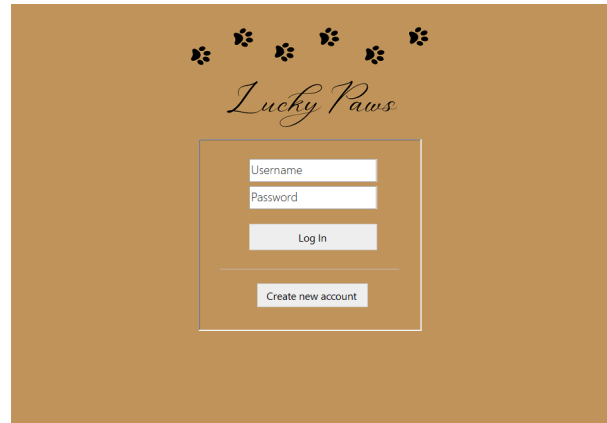


Figure 3.1.1.2 - Login

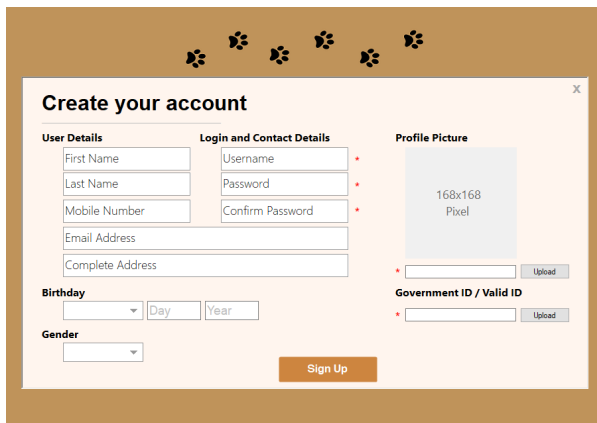


Figure 3.1.1.3 - Create Account

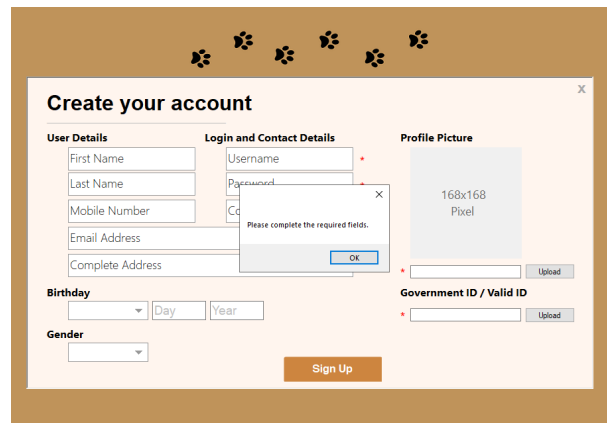


Figure 3.1.1.3.1 - Create Account Prompt 1

The screenshot shows the 'Create your account' form with the following fields: First Name, Last Name, Mobile Number, Email Address, Complete Address, Birthday (Day, Year), and Gender. The 'Login and Contact Details' section has a username field with the value '123' and a password field with four dots. A modal dialog box is displayed in the center with the message 'This username is already taken. Choose a unique one.' and an 'OK' button. The 'Profile Picture' section has an 'Upload' button. The 'Government ID / Valid ID' section has an 'Upload' button. A 'Sign Up' button is at the bottom right.

Figure 3.1.1.3.2 - Create Account Prompt 2

The screenshot shows the 'Create your account' form with the same fields as Figure 3.1.1.3.2. The 'Login and Contact Details' section has a username field with the value 'otherusername' and a password field with four dots. A modal dialog box is displayed in the center with the message 'Password do not match.' and an 'OK' button. The 'Profile Picture' section has an 'Upload' button. The 'Government ID / Valid ID' section has an 'Upload' button. A 'Sign Up' button is at the bottom right.

Figure 3.1.1.3.3 - Create Account Prompt 3

The screenshot shows the 'Create your account' form with the same fields as Figure 3.1.1.3.2. The 'Login and Contact Details' section has a username field with the value 'otherusername' and a password field with four dots. A modal dialog box is displayed in the center with the message 'Account created successfully!' and an 'OK' button. The 'Profile Picture' section has an 'Upload' button. The 'Government ID / Valid ID' section has an 'Upload' button. A 'Sign Up' button is at the bottom right.

Figure 3.1.1.3.4 - Create Account Successful

The screenshot shows the login prompt with the 'Lucky Paws' logo at the top. The login form has a username field with the value 'otherusername' and a password field with four dots. A modal dialog box is displayed in the center with the message 'You have entered a wrong username or password.' and an 'OK' button. Below the dialog box is a 'Create new account' button.

Figure 3.1.1.2.1 - Login Prompt

The screenshot shows the home page with the 'Lucky Paws' logo at the top. Below the logo are two icons: a dog sitting on a bone and a house with a paw print. Below the dog icon is a button labeled 'pick me!'. Below the house icon is a button labeled 'Look for shelter'.

Figure 3.1.1.4 - Home

The screenshot shows the 'Look for shelter' form with the following fields: Name, Sex, Age, Animal Type, Color, Address, and Description. There is an 'Add Photo' button at the top. A 'Post' button is at the bottom right.

Figure 3.1.1.5 - Look For Shelter

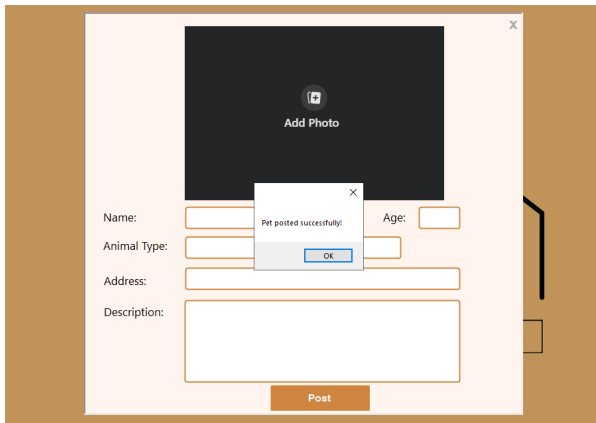


Figure 3.1.1.5.1 - Pet Posted Successfully

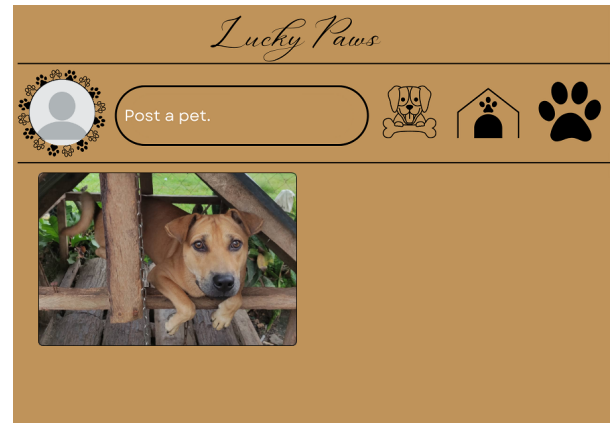


Figure 3.1.1.6 - Pet Feed

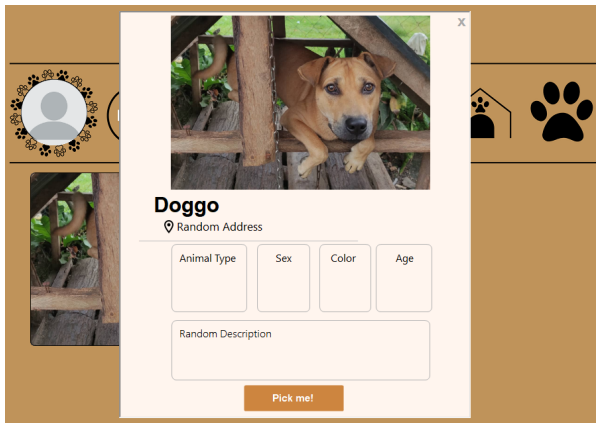


Figure 3.1.1.7 - Pet Feed Content

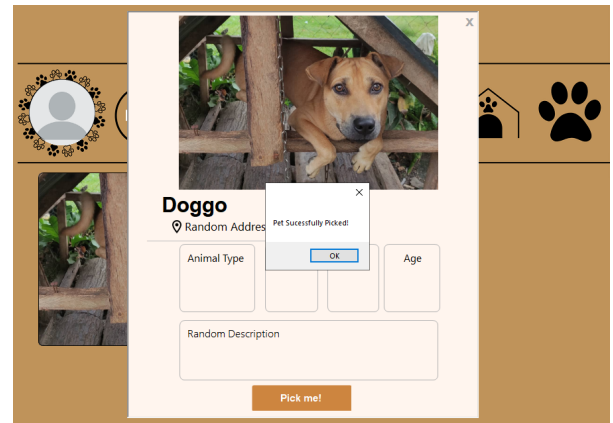


Figure 3.1.1.7 - Pick Me

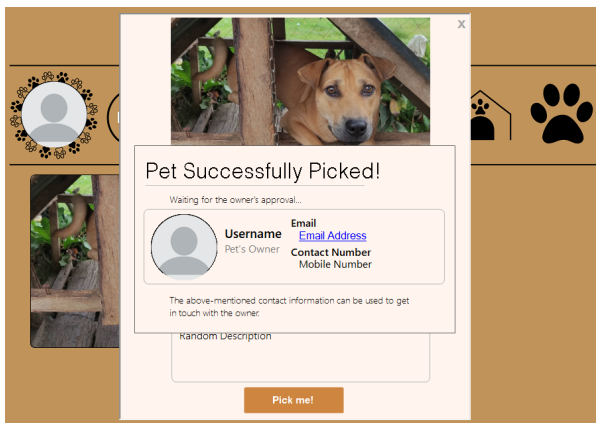


Figure 3.1.1.7.2 - Pick Me Owner Details

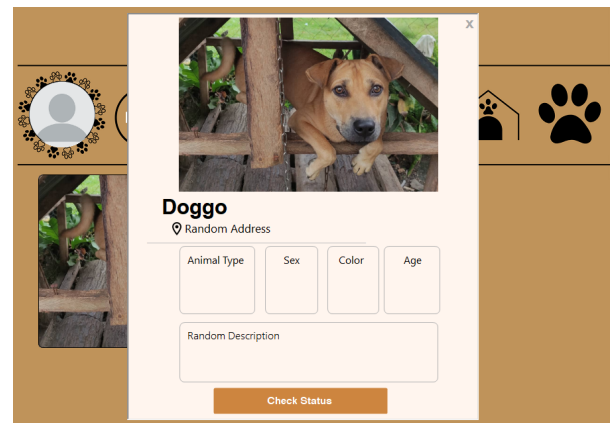


Figure 3.1.1.8 - Owner Content

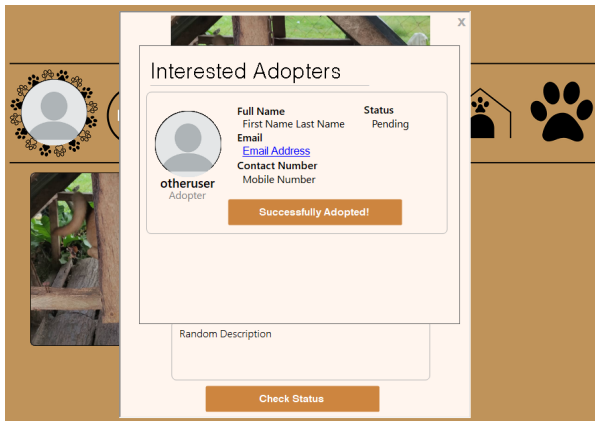


Figure 3.1.1.8.1 - Check Status

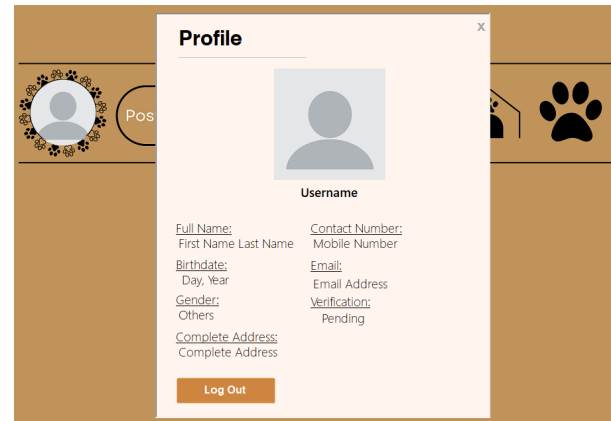


Figure 3.1.1.9 - User Profile

### ***3.1.2. Hardware interfaces***

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To install and use the application, the user must have access to a computer with the Windows operating system.

### ***3.1.3. Software interfaces***

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The Windows 7 to Windows 11 Operating System Environment serves as the application's deployment platform.

### ***3.1.4. Communications interfaces***

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All notifications and communications will be done via email, contact number, or other message communicating channel that is convenient for the user.



## 3.2. Functional requirements

### 3.2.1. Get Started

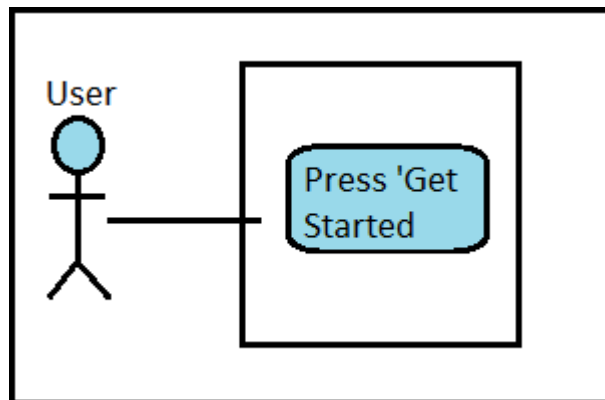


Figure 3.2.1 - Get Started

#### Get Started Use Case

This is the orientation part where the user can see after downloading the app.

### 3.2.2. Log in

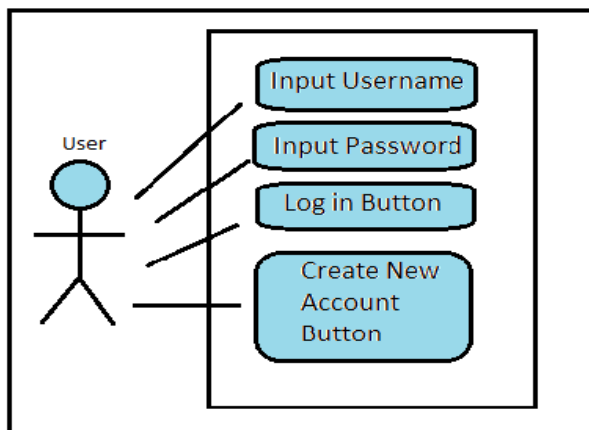
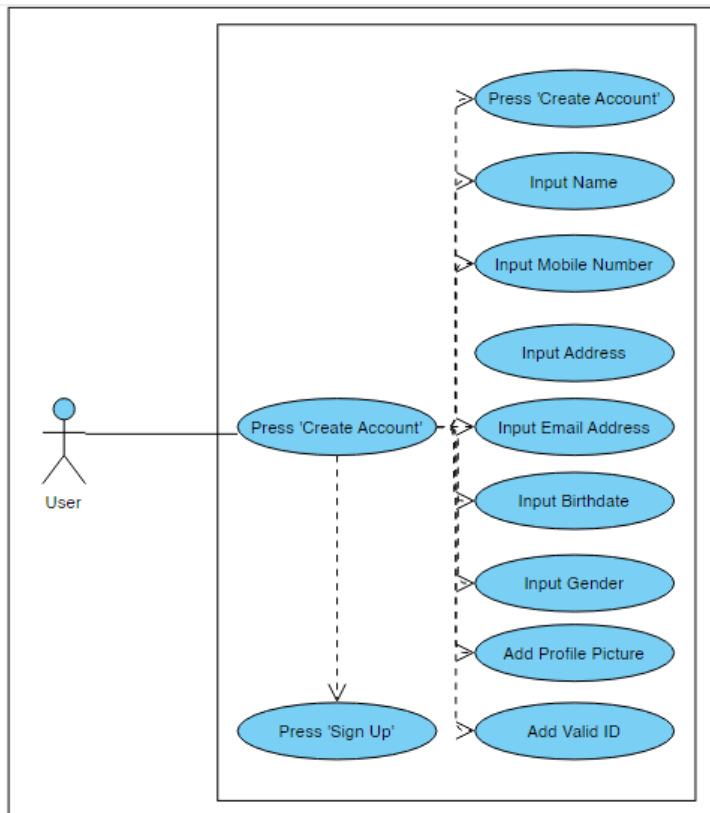


Figure 3.2.2 - Login

#### Log In Use Case

The system request that the user enter his/her name and password. The system validates the entered name and password and logs the user into the system.

### 3.2.3. Create Account

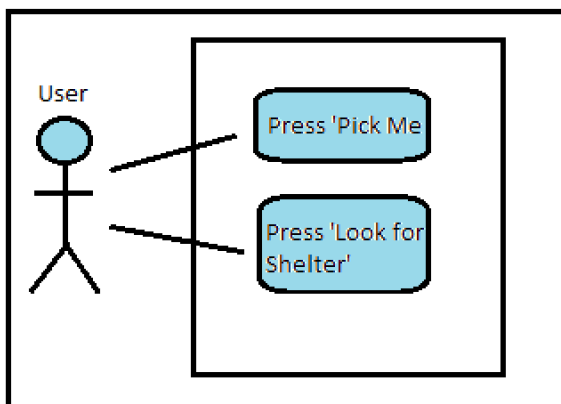


#### Create Account Use Case

In order to establish the user's legitimacy, the user will be required to fill out their personal information, which includes a profile photo and their username and password.

Figure 3.2.3 - Create Account

### 3.2.4. Home

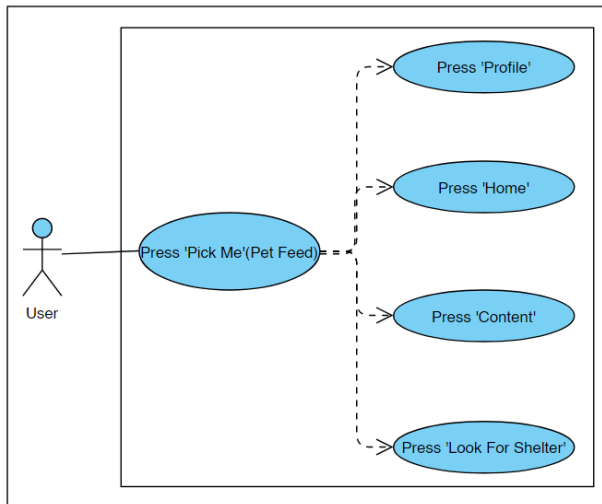


#### Home Use Case

The two important buttons are displayed in the home use case. The first is the "pick me" button, which redirects the user to the pet feed to choose from a variety of animals posted. The "Look for shelter" button redirects the user to a panel where he or she can post his or her pet that is up for adoption.

Figure 3.2.3 - Home

### 3.2.5. Pet Feed

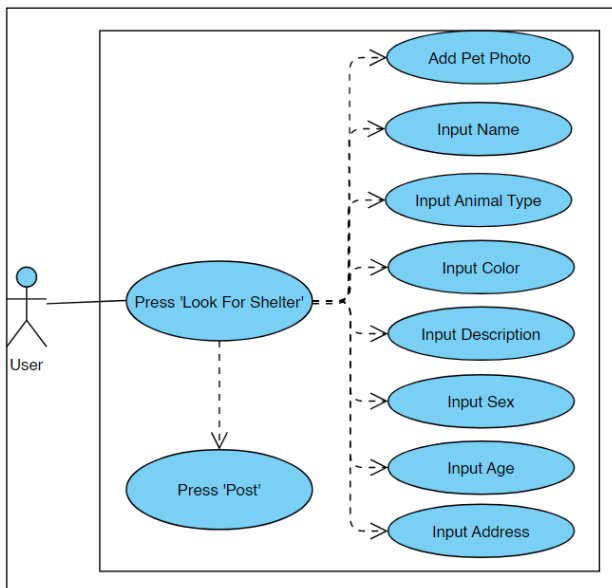


#### Pet Feed Use Case

In this use case, the user can scroll down a list of pets that are up for adoption. The profile button directs the user to their profile. The user can post or flex a pet they have or have been adopted, and there's the home button, pet feed button, and look for shelter button.

Figure 3.2.5 - Pet Feed

### 3.2.6. Look For Shelter

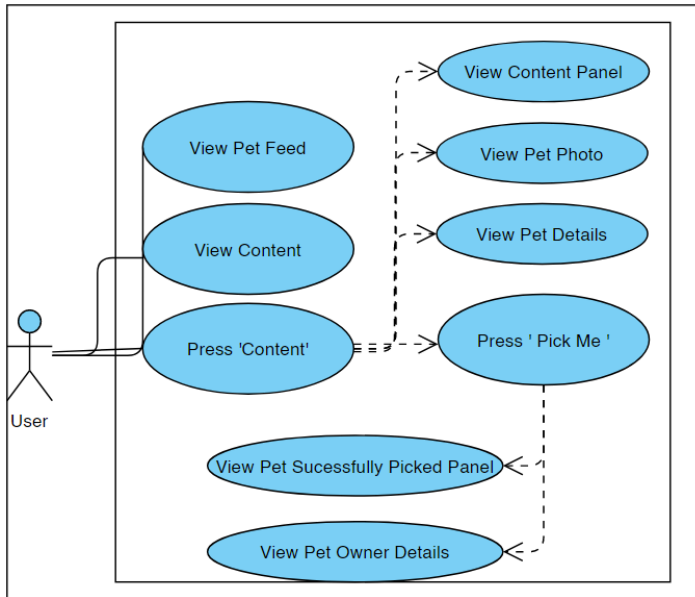


#### Look For Shelter Use Case

By entering the precise information required by the app in this section, the user can advertise a pet for adoption. It will be delivered to the pet feed after completion and posting. The application requests that users enter pertinent data, such as a photo of a pet they wish to market as available for adoption.

Figure 3.2.6 - Look For Shelter

### 3.2.7. Pick Me

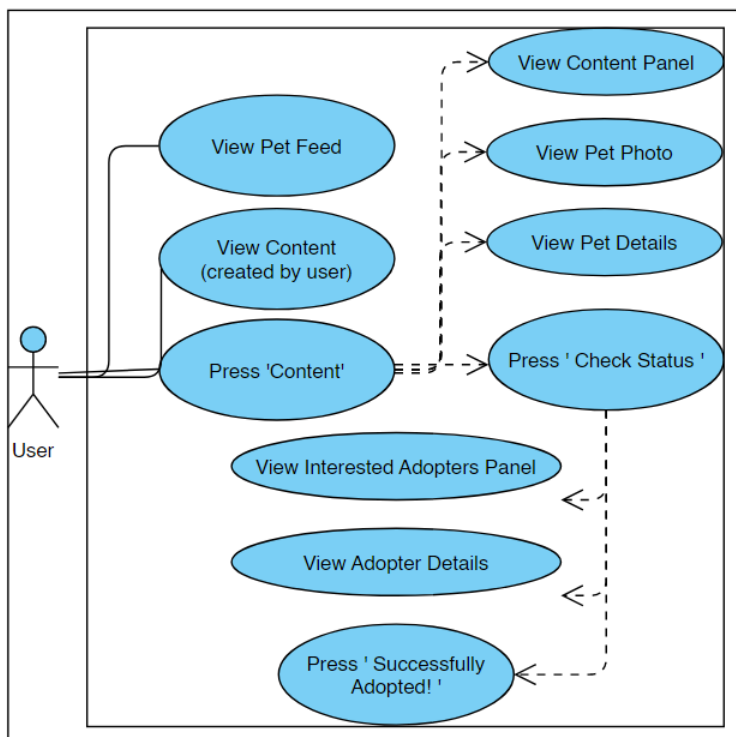


#### Pick Me Use Case

The user can scroll through a selection of animals that have been listed as being offered for adoption by other users. The user can choose the pet they want, and after they do, the pet owner's contact information will show up so they can talk about adopting the pet.

Figure 3.2.7 - Pick Me

### 3.2.8. Pet Successfully Adopted

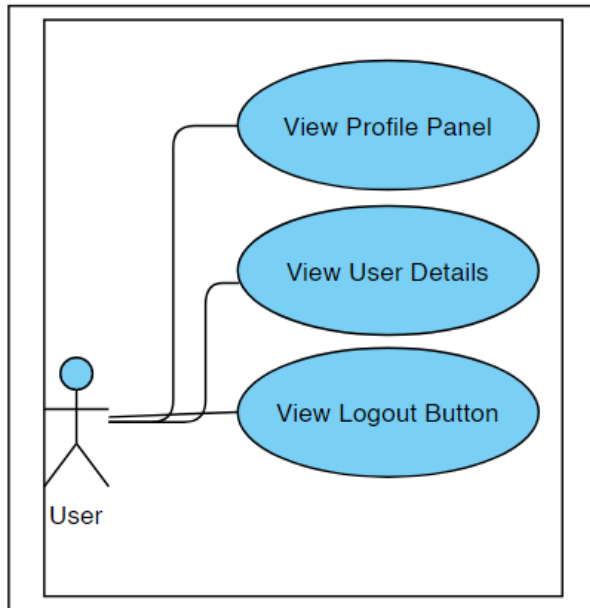


#### Pet Successfully Adopted Use Case

If the user or pet owner has already found foster parents for the animal, they can remove the animal from the pet feed in this part.

Figure 3.2.8 - Pet Successfully Adopted

### 3.2.9. Profile

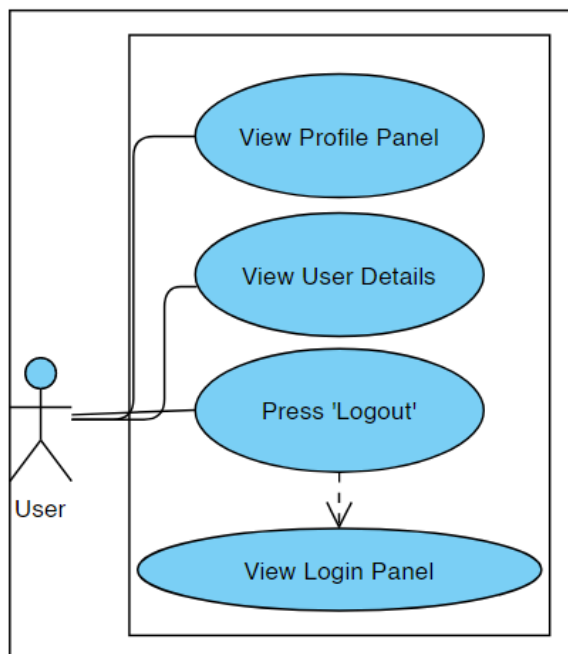


#### Profile Use Case

The user can see the personal data they entered while creating their account in this section. From this panel, the user can log out as well.

Figure 3.2.9 - Profile

### 3.2.10. Logout



#### Logout Use Case

In this section, the user can log out its own account and will be directed to login panel.

Figure 3.2.10 - Logout

### **3.3. Performance Requirements**

The application is required to be run on a personal computer. The system is expected to perform certain adoption of many pets by using this app and the accuracy of the info given to the users which suits their interests. The system will immediately give responses for the concerns of their users which is important for them to be convenient and satisfied with their adoption.

### **3.4. Design constraints**

The software is limited only to personal computer users with the Windows operating system.

### **3.5. Software system attributes**

Effectiveness- the software is effective if the user successfully adopts a pet by using it.

Maintainability - the software is maintained because it can update, change the pet, give feedback to the users so that the users will know if those pets are adopted or not and also they will know the quality or condition of the pet if it has a certain illness or not.

Reliability - the software is reliable because it shows all the info of a pet that users want to choose like the breed, lifespan and many more pet qualities.

### **3.6. Other requirements**

## **4. Appendixes**



## **5. Index**