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COLLEGE OF ENGINEERING AND ARCHITECTURE






Software Requirements Specifications

for

Lucky Paws

(A Pet Adoption Application)

Signature

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Change History

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1.0	July 5, 2022	Drafting of SRS

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.

1.2. Scope

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.

1.3. Definitions, Acronyms and Abbreviations

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.

Users - individuals who are privileged to operate the application that is about to be developed.

1.4. References

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 form where they must fill out the necessary information in order to adopt the animal.

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 can check whether the person who wants to adopt a certain animal is capable of doing so and meeting the animal's demands.

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.

User has freedom to choose the pet he or she likes.

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.

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.

3. Specific Requirements

3.1. External interface requirements

3.1.1. User interfaces



FIGURE 3.1.1.1 – Get Started

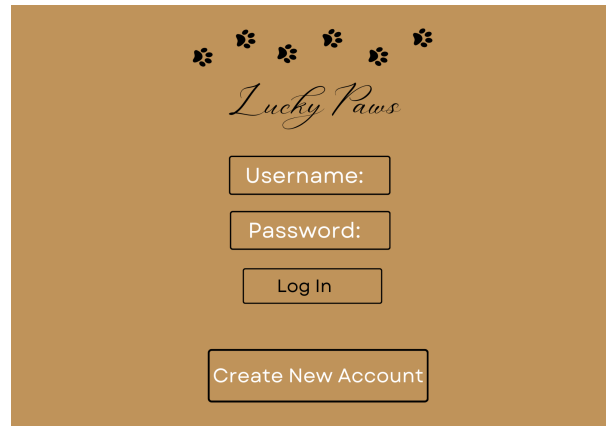


FIGURE 3.1.1.2 - Log In



FIGURE 3.1.1.3 – Home



FIGURE 3.1.1.4 – Pet Feed

3.1.2. Hardware interfaces

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

3.1.3. Software interfaces

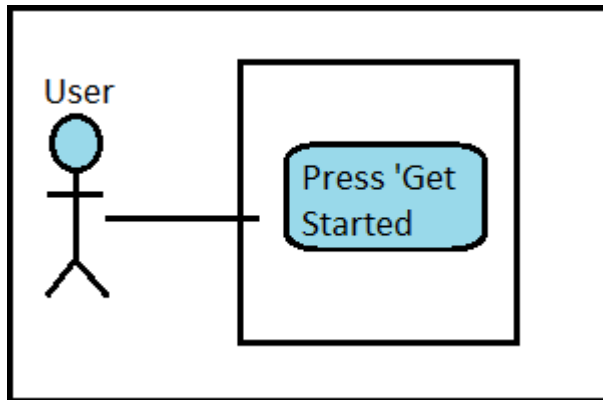
The Windows 7 to Windows 11 Operating System Environment serves as the application's deployment platform.

3.1.4. Communications interfaces

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

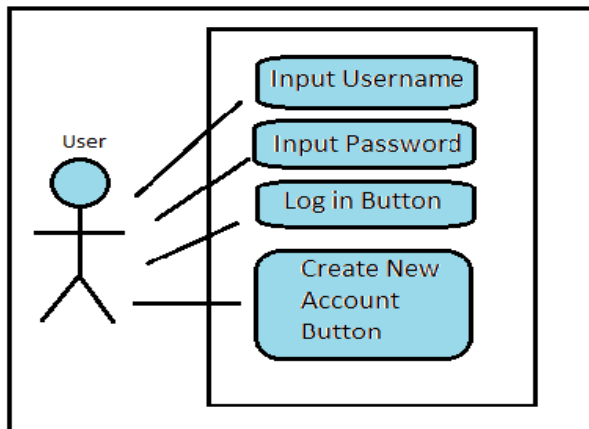


Get Started Use Case

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

Figure 3.2.1 - New User

3.2.2. Log in



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.

Figure 3.2.2 - Log In

3.2.3. Home

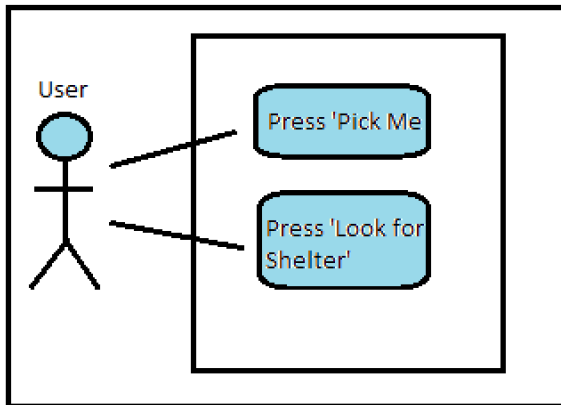


Figure 3.2.3 - Home

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.

3.2.4. Pet Feed

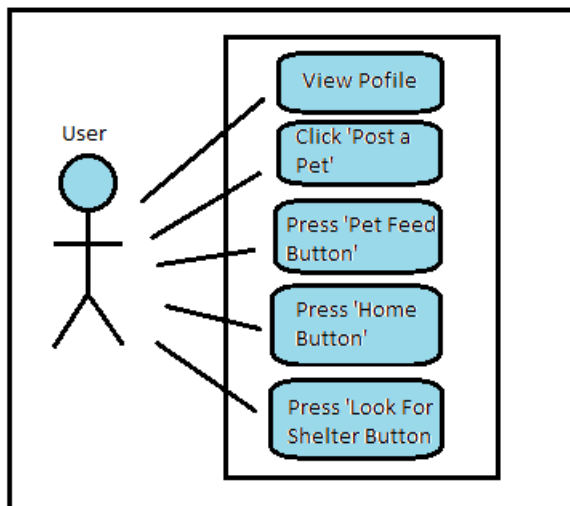


Figure 3.2.4 - Pet Feed

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.

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 of a certain pet. 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

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