



An Application by
Crack

Made for
COMP-A-THON
Organized by
Career Services,
Bennett University (The Times Group)

ABSTRACT

The idea of PawPals comes from the experience of one of our teammates whose dog was a victim of forceful breeding. The dog was relieved of her miseries when she was rescued by our teammate.

Addressing this issue, PawPals will help promote healthy mating habits and provide a safe social space for pets around the world. The application extends its functioning to a marketplace which promotes pet care and grooming products, supporting local brands, small businesses and medical professionals in the locality and a community blogging space for pet owners, social media's famous pets and NGOs working towards the betterment of animals.

1. PROBLEM STATEMENT

With the recent reports of animal cruelty on the rise, heinous acts against animals make the society an unsafe and uncomfortable space for animals even for pets like cats and dogs.

According to a recent report by Petpedia, every 60 seconds, one animal suffers abuse. Unfortunately, it instills fear, pain and desperation among animals. Approximately 65% of all animals abused are dogs, due to which our focus is on providing a safe dating application for pets like dogs so that they can find playmates without having to go through ruthless breeding procedures that significantly impact their health. It is a major problem that we want to tackle by providing a safe mating space for animals like dogs and cats by providing them a perfect match based on our algorithm and making the process sophisticated with the involvement of vet healthcare professionals.

2. INTRODUCTION

The application focuses on providing a better matchmaking experience for pet owners around the world. The matchmaking algorithm helps one select the perfect partner while considering multiple criterias.

When a user first visits the website, they will be asked to make an account using an AI model to verify the identity of the owner. When an account has been made, they may login to register a single pet and continue to the homepage where they can see the pets in their locality that have registered on the website, some products on the marketplace, latest community posts and upcoming events catered by NGOs.

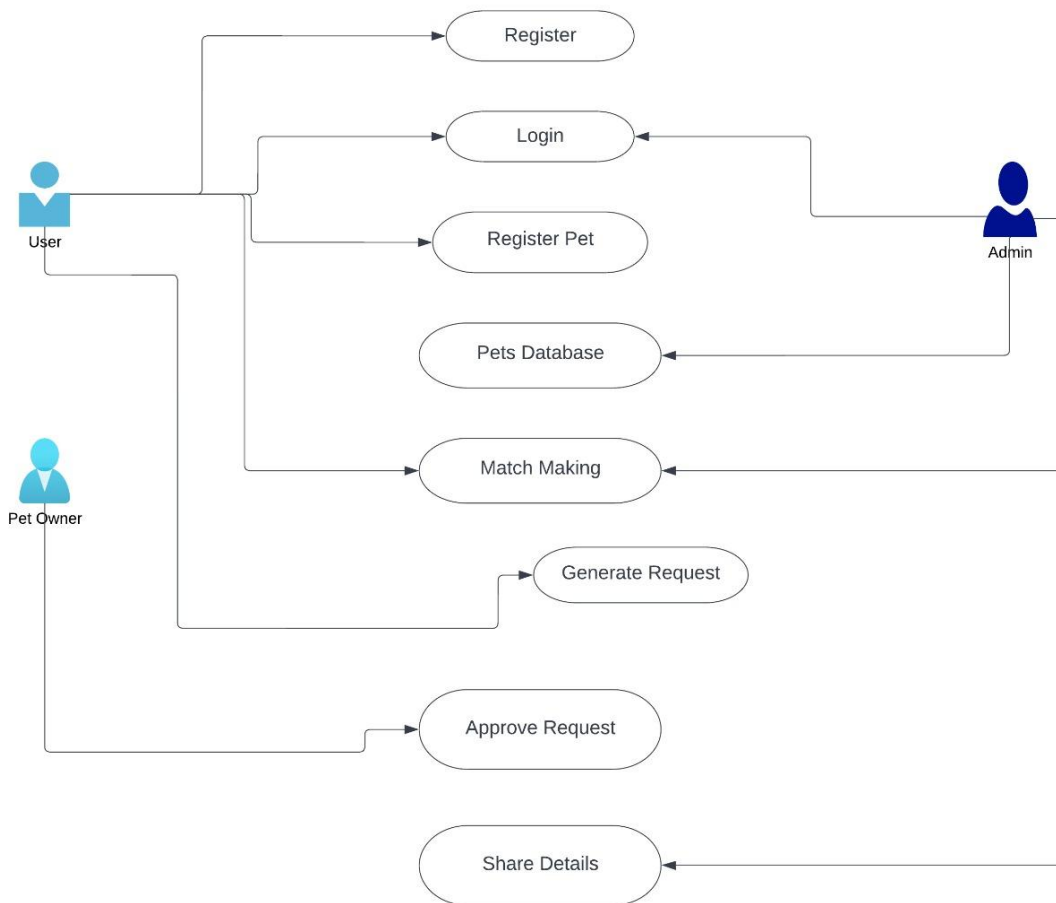
The marketplace lists products that are useful for pet owners. The line of products may include grooming and pet care products which may be listed by verified local businesses or partner FMCG partners. The marketplace will have a secure payment system and receipt generation.

The community area will host various blogs posted by our diverse creators coming from different backgrounds like healthcare, nonprofits and influencers. They will create posts that will be helpful for owners going through the process of mating for the first time, pet grooming, healthcare and fashion advice. Upcoming events hosted by NGOs can also be promoted in this section.

3. SYSTEM DESIGN

A. Pet Registration and Matchmaking

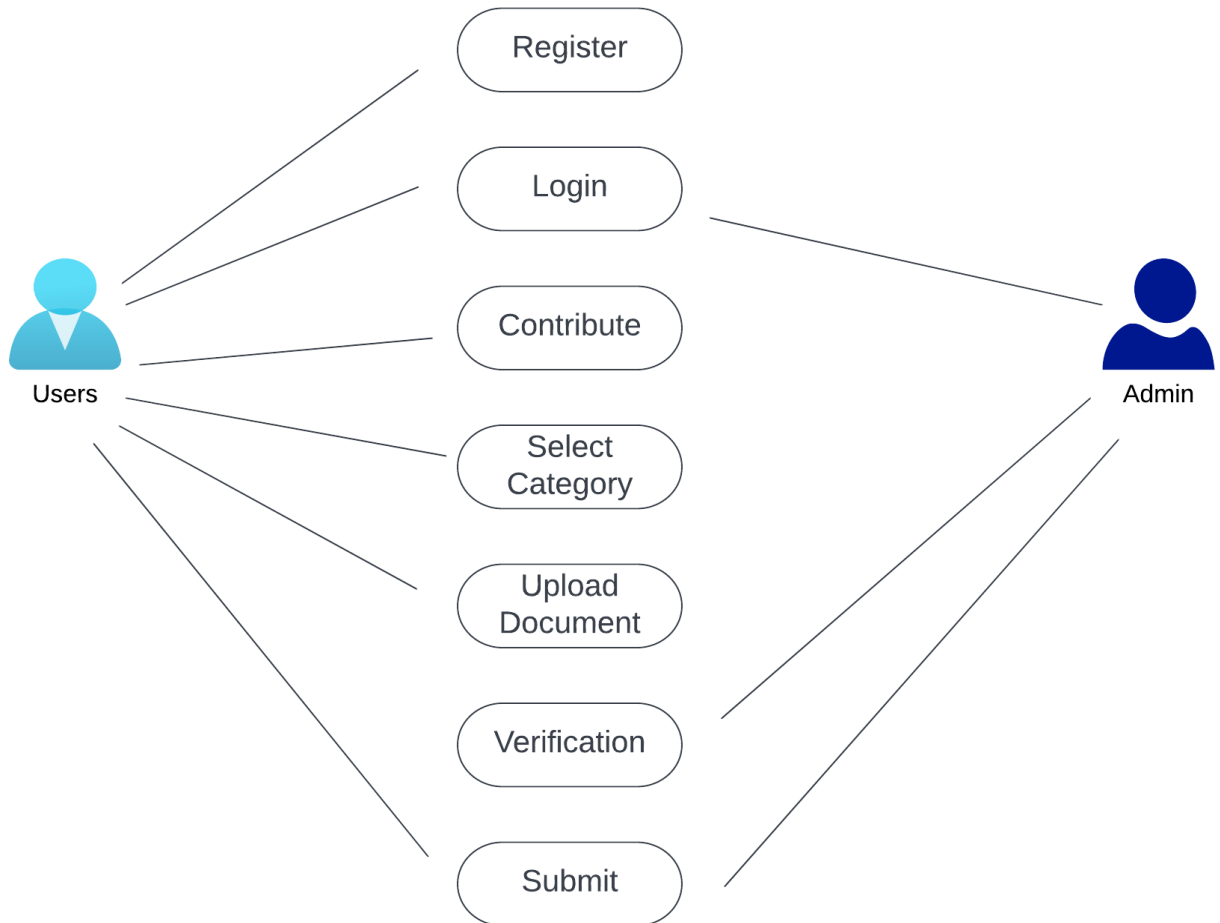
The following figures show the diagrams for pet registration where a user can create their account, login and register their pets. The verification admin receives the request and approves the pet profile after receiving a heads up from our AI verification algorithm.



B. Community

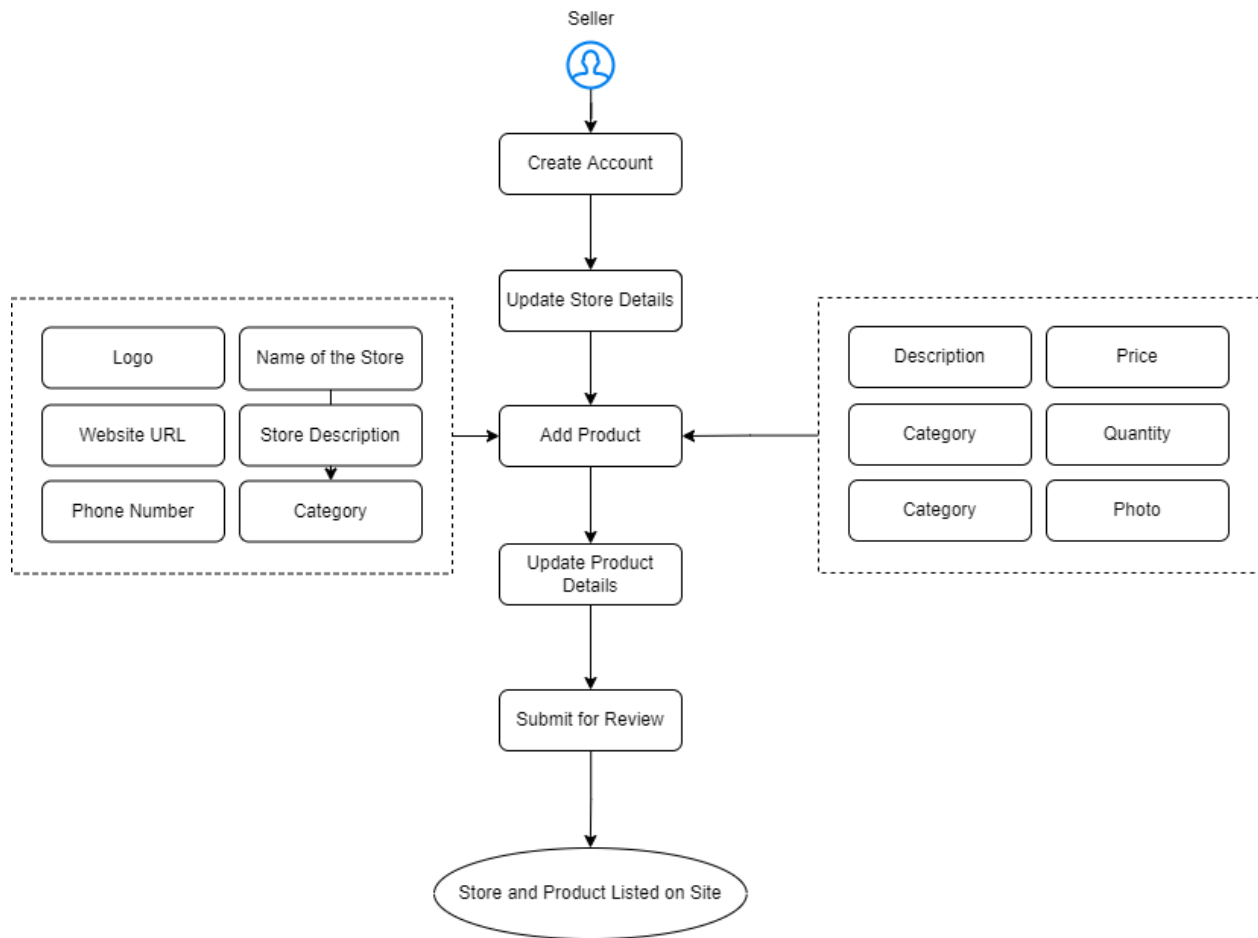
The community section invites experienced pet owners, healthcare professionals, NGOs and influencers to create blog posts that can be helpful for pet owners who are trying pet match making for the first time, dealing

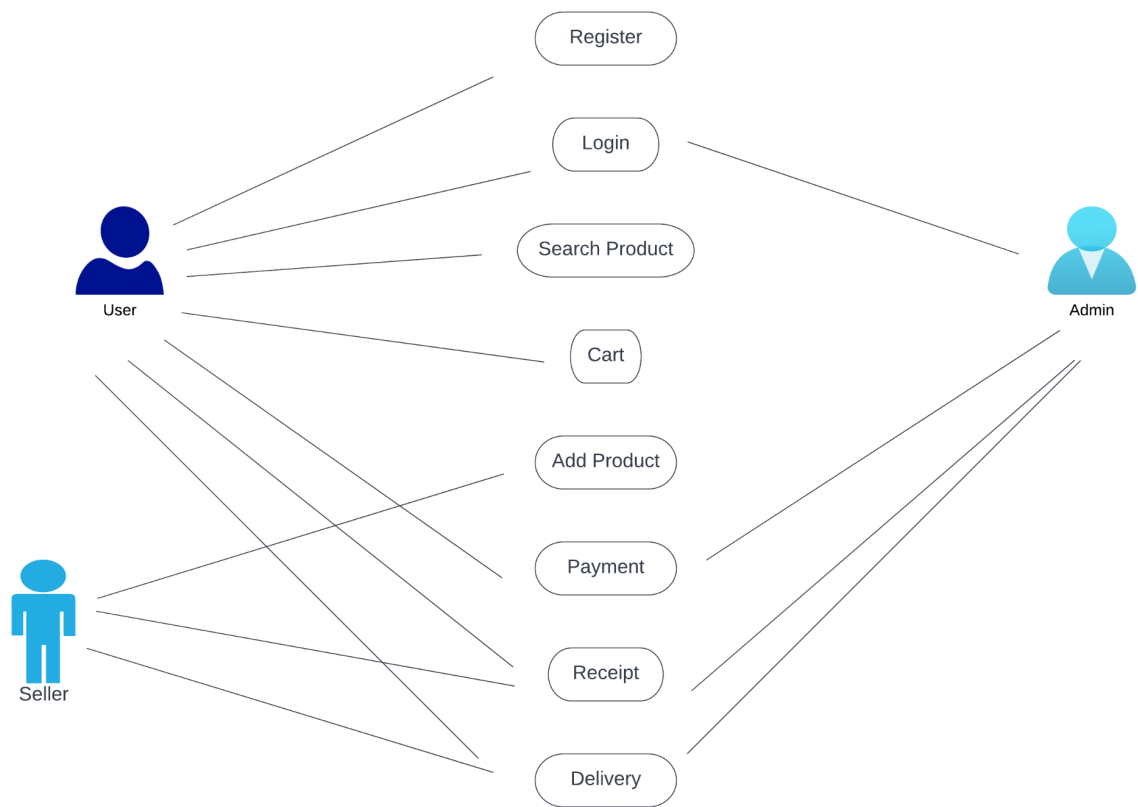
with newborns, experiencing difficulties with their pets or simply fashion advice from some of the pet influencers.

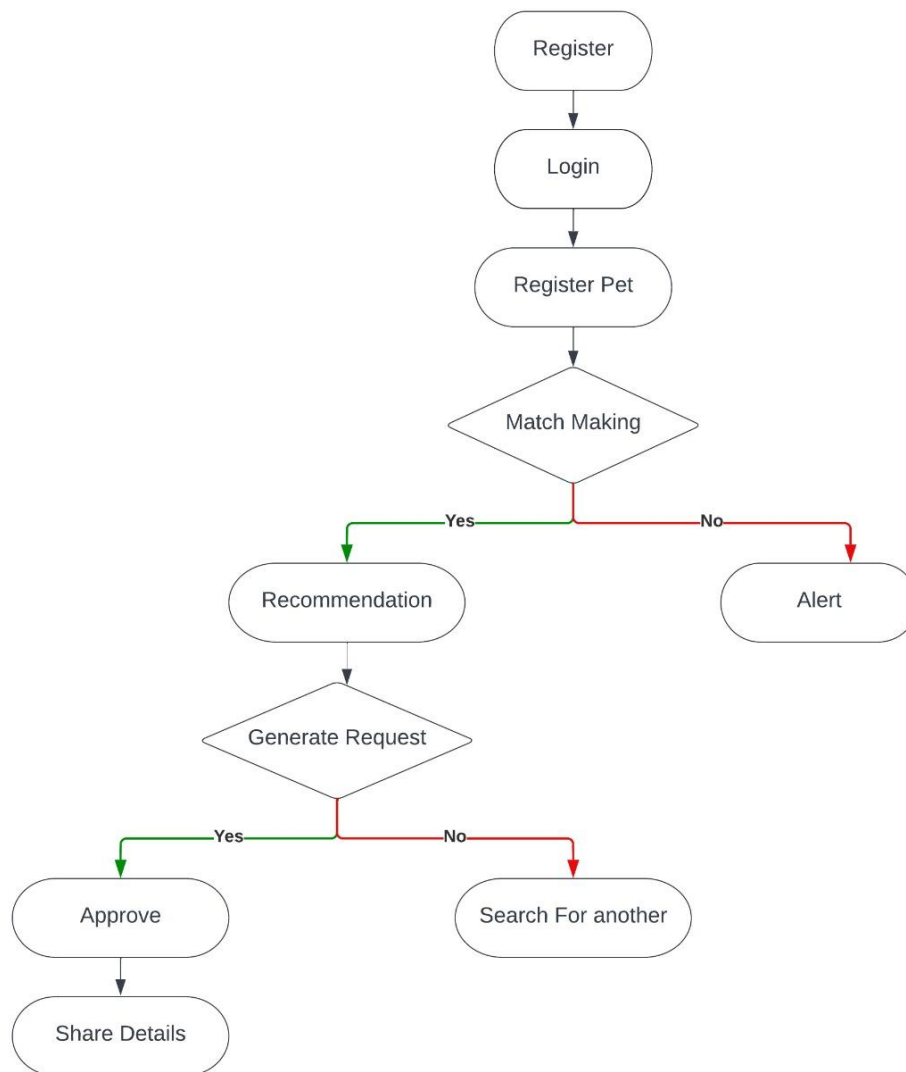


C. Marketplace

The following figures represent the marketplace architecture of our application. People can join the marketplace and sell different animal healthcare and food products. This will also be a revenue generating stream for our busin







4. TECHNOLOGIES USED

Currently being released as a website, this application is made using the Django framework to integrate Python for the backend, SQLite for the database while using HTML and CSS for the frontend.

5. UI DESIGN



[About Us](#) [Community](#) [Connect](#) [Marketplace](#) [Contact Us](#) [Login](#) [Sign Up](#)

Find your perfect match



Keep your furry friends healthy and glowing



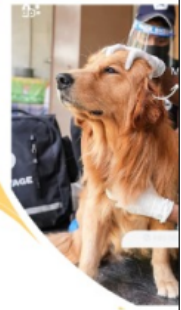
Read latest community news



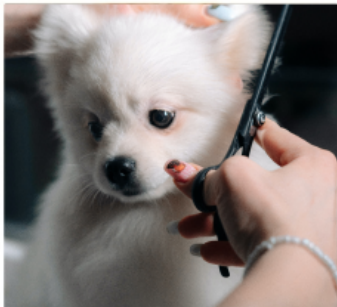
Engage in activites, take part in fundraisers and be a part of a one of a kind community

GROOMING COMES HOME WITH **DEARPET**

BOOK NOW



SHOP FOR DOGS



SHOP FOR CATS



Start Matching



Charlie
Age: 3 y/o
5 Miles away



Danny
Age: 5 y/o
20 Miles away



Zoey
Age: 4 y/o
10 Miles away



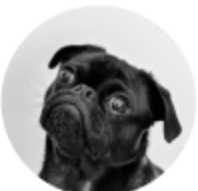
Rio
Age: 3 y/o
12 Miles away



Oreo
Age: 5 y/o
12 Miles away



Shelby
Age: 2 y/o
5 Miles away



Simba
Age: 2 y/o
6 Miles away



Sunny
Age: 4 y/o
7 Miles away

6. SWOT ANALYSIS

Strength:

- One of a kind dating app for providing animals a space for safe mating.
- An animal dating app for pet owners to find a partner

Weakness:

- Fake information could be put up in the blog area.
- Pet owners might hesitate to get their pets registered.

Opportunity

- We plan to create an ecommerce marketplace and generate funds to market our application on a large scale.
- Our ecommerce marketplace will have different animal utility products like food, clothing, accessories and medicines.
- Our application will also promote medical professionals to generate income on a commission based model.

Threats

- There may be legal problems related to data security and information integrity since it involves the details of pet animals on a large scale.