

Problem Statement

We who own pets have to face to many problems when it comes to giving our pets immediate aid/treatment. It's a common scenario in every house who owns pets that they can't get their pets immediate treatment because of so many reasons such as being unable to reach vets in time, not being able to know with whom to talk etc. Also, there is another problem and that is, we often encounter street animals getting injured on roads and there also, we are kind of hopeless as by the time help reaches, it's already too late sometimes. And additionally, it is also sometimes difficult to buy foods or toys for our pets from home. So, the problem statement as simple as that.

Concept

To solve this problem, we have come up with an idea of making a mobile application for easier access to vets and on-time treatment.

Our application is called "PetCare" which will have 4 types of users and they are pet owners, vets, shop owners, rescue center. This app will allow us to do certain operations such as,

- Request for rescue
- Post pictures and videos
- Search for adoption
- Buy foods and toys
- Update products
- Update pet info
- Approve rescue request
- Approve adopting request
- Do consultation

The major goal of this application is to make the above mentioned daily works easier for pet owners as well as for the pets. And the target market for our app are mainly the vets, pet owners, shop owners and rescue centers but in general this app will be helpful for all.

User Scenario

As a pet owner-

- I want to do registration in this app
- I want to request for rescue for street animals
- I want to post pictures and videos of my pet
- I want to do consultation with vets
- I want to search for pet adoption
- I want to buy foods and toys for my pet

As a shop owner-

- I want to do registration
- I want to update available products so that customer can buy from y shop

As a veterinarian-

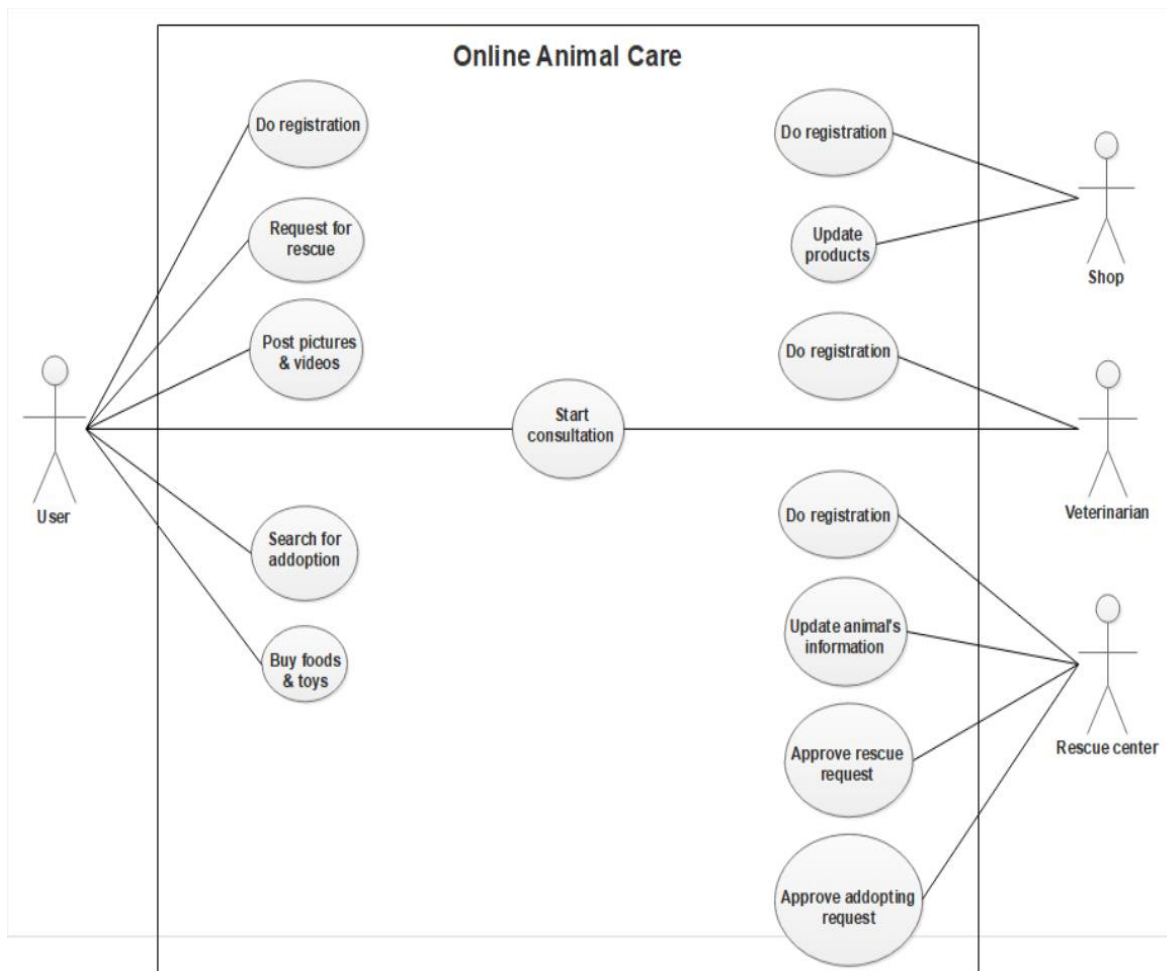
- I want to do registration
- I want to provide consultation to my customers

As a rescue center-

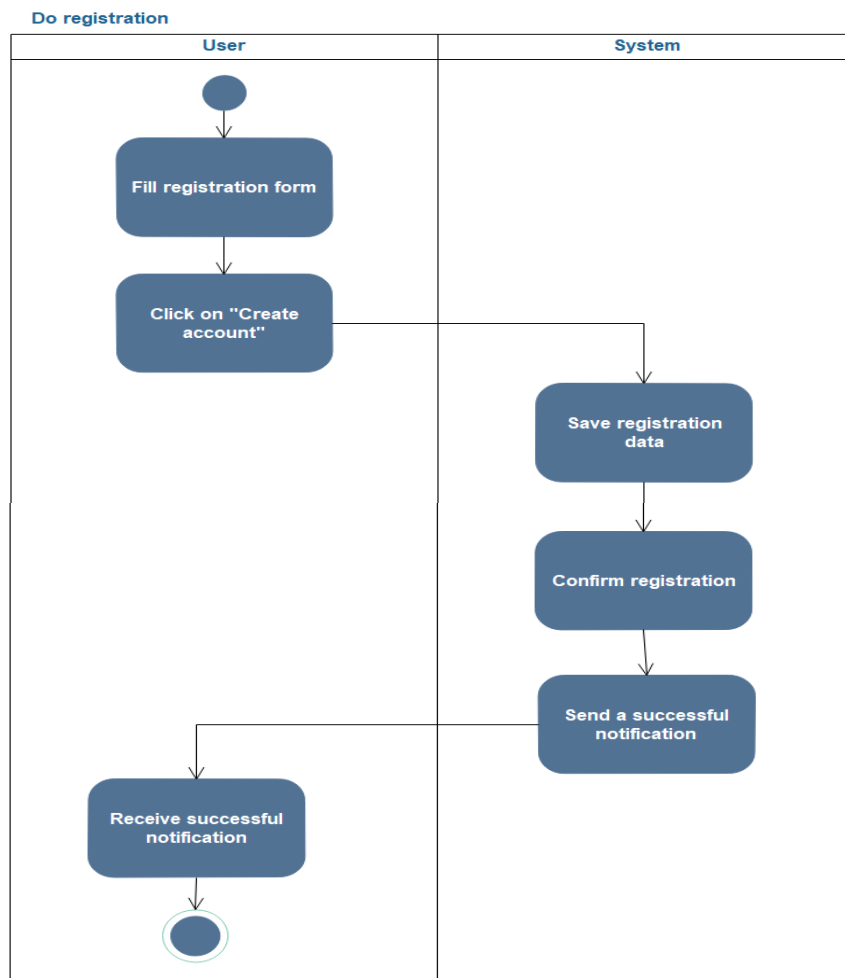
- I want to do registration
- I want to approve rescue requests
- I want to approve adoption requests

UML

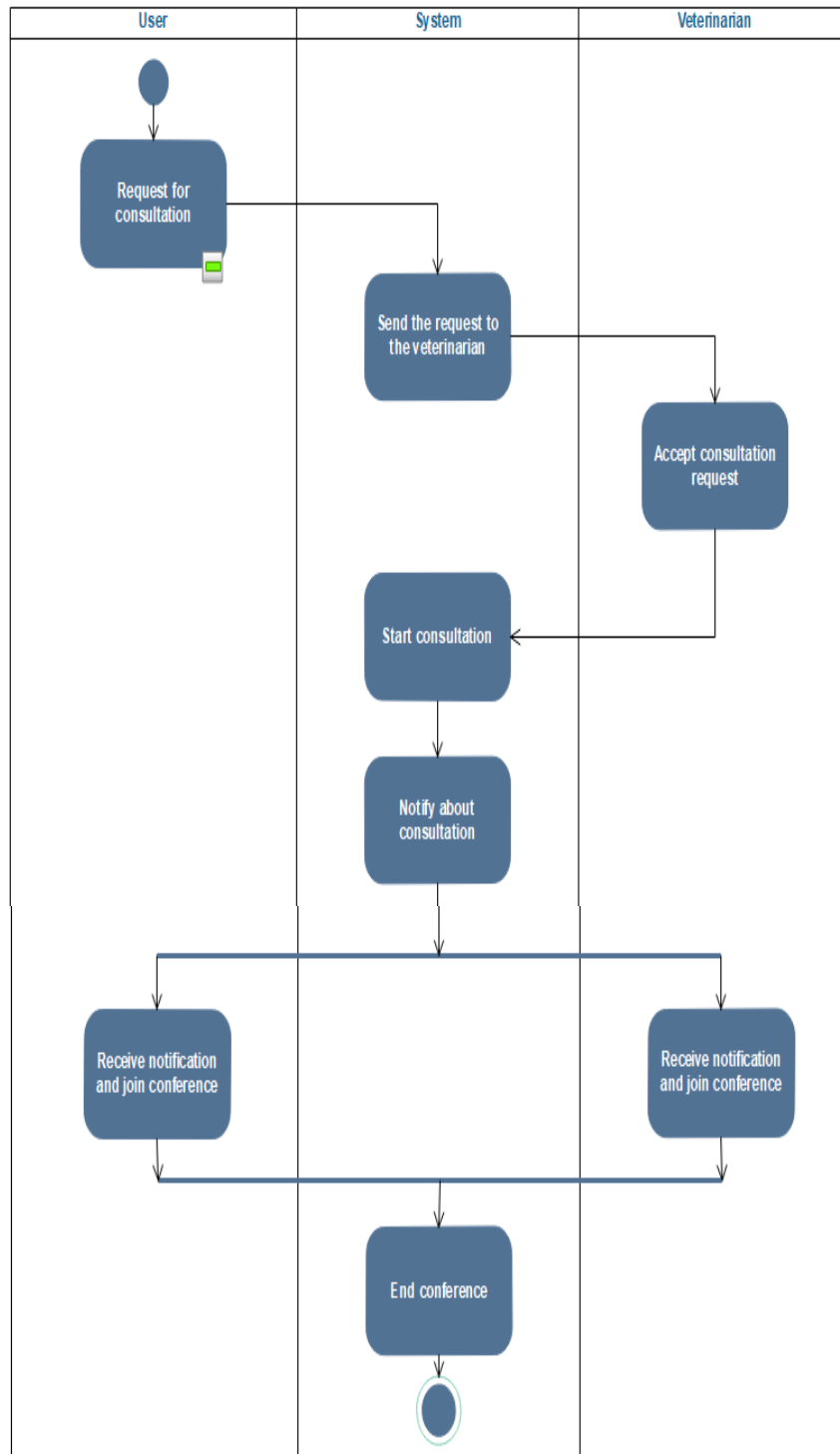
Use Case Diagram:



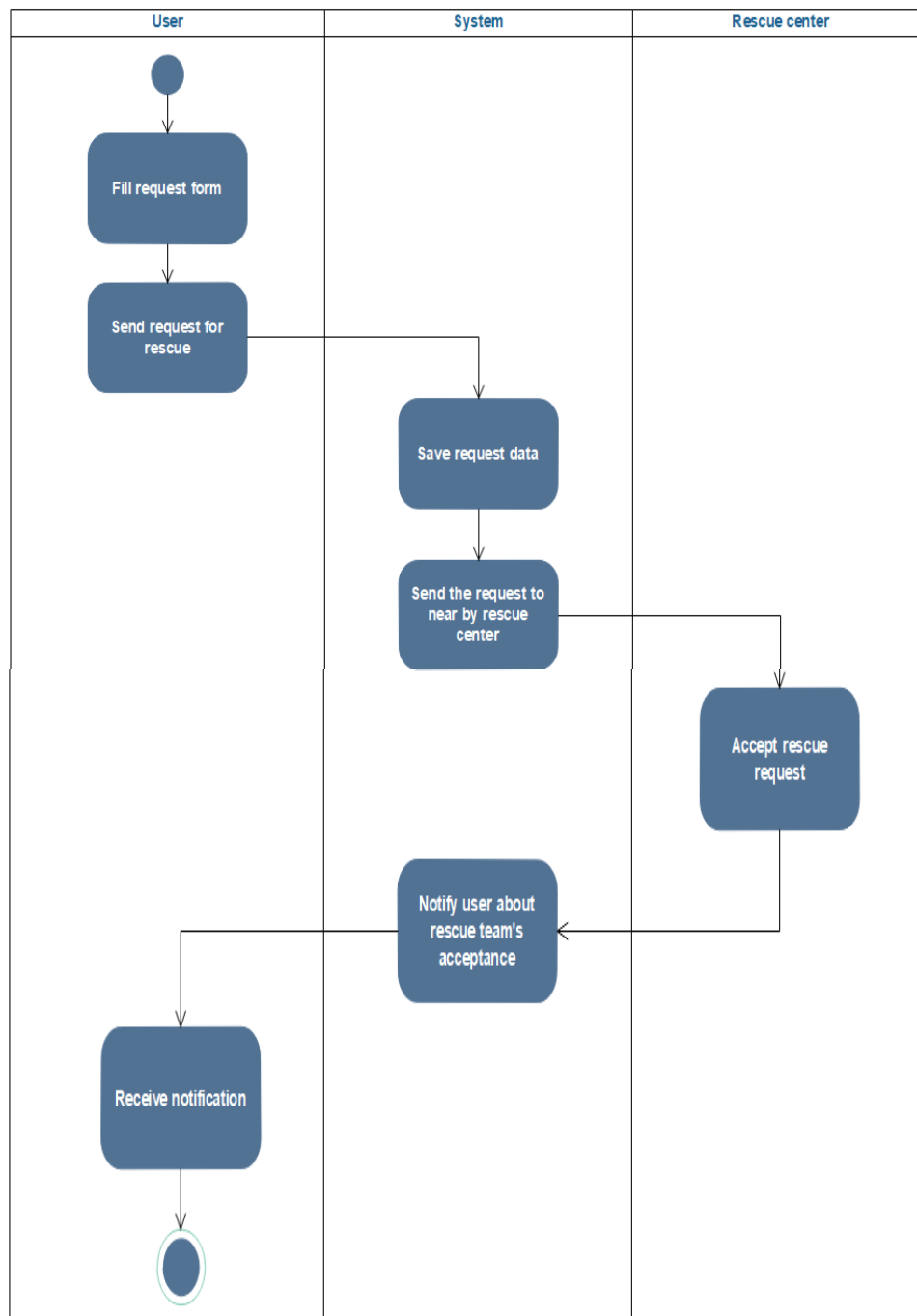
Activity Diagram:



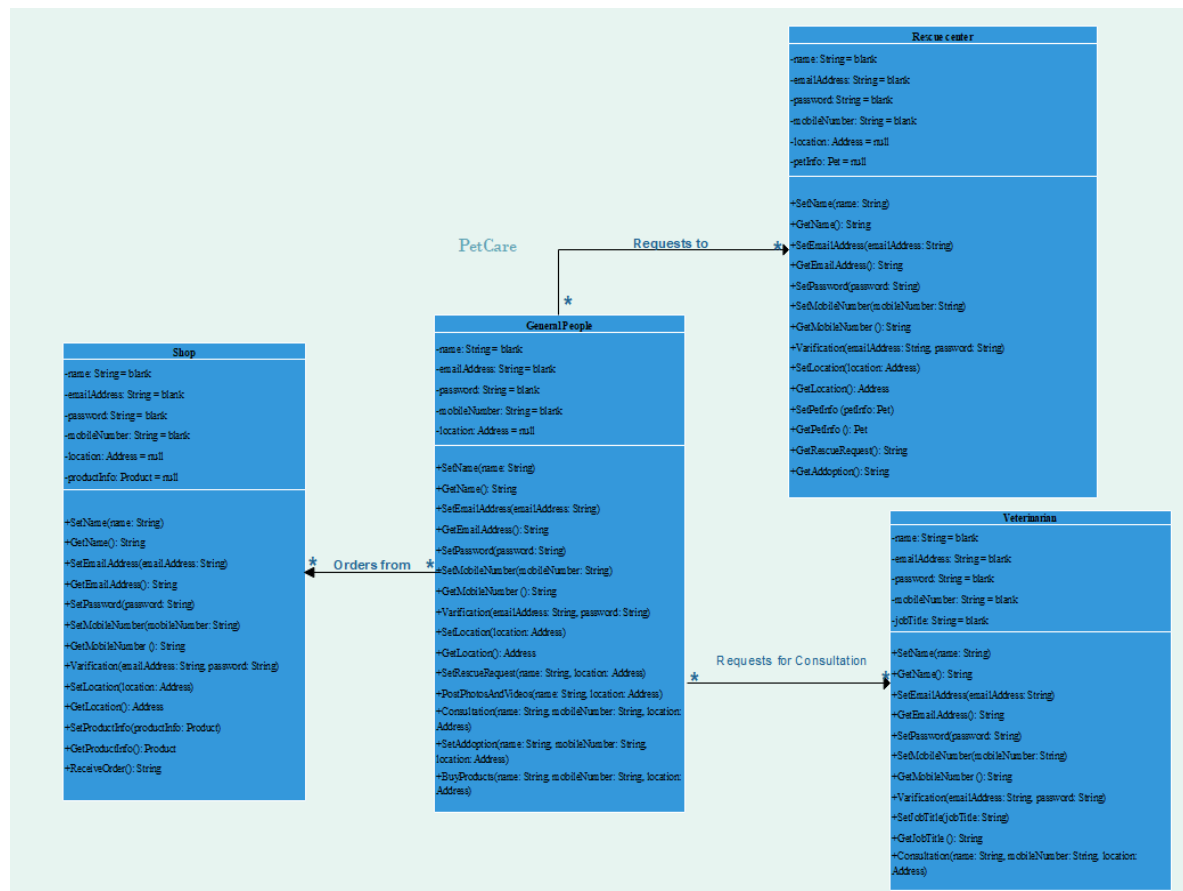
Start consultation



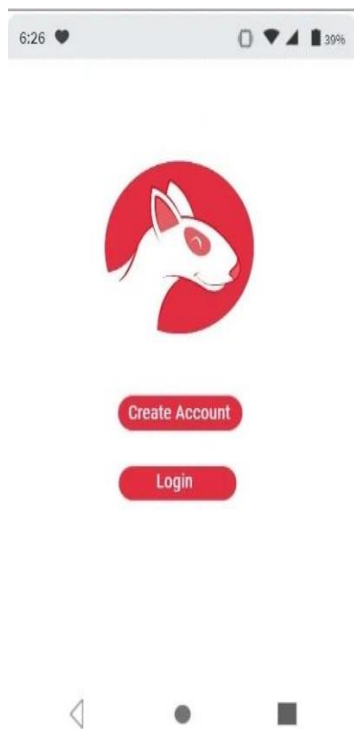
Request for rescue



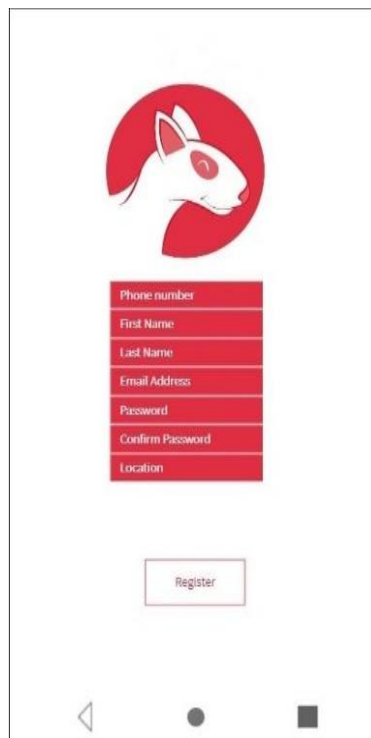
Class Diagram:



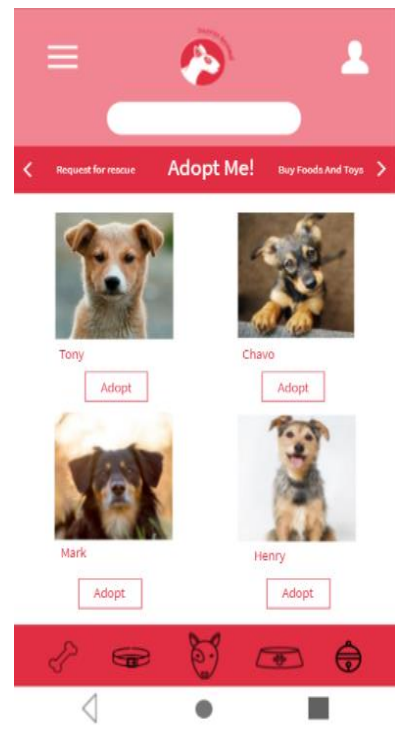
UI Design Specification



UI: Home page



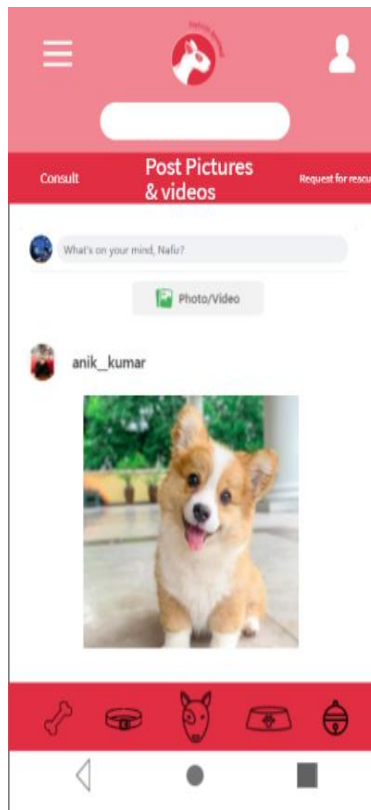
UI: Registration page



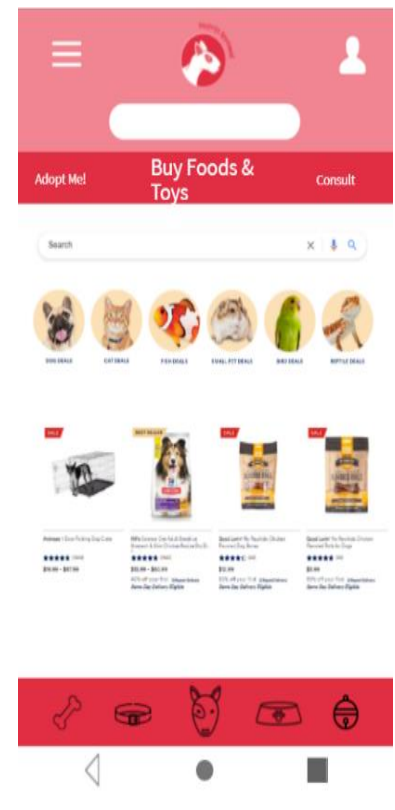
UI: Adoption page



UI: Rescue request page



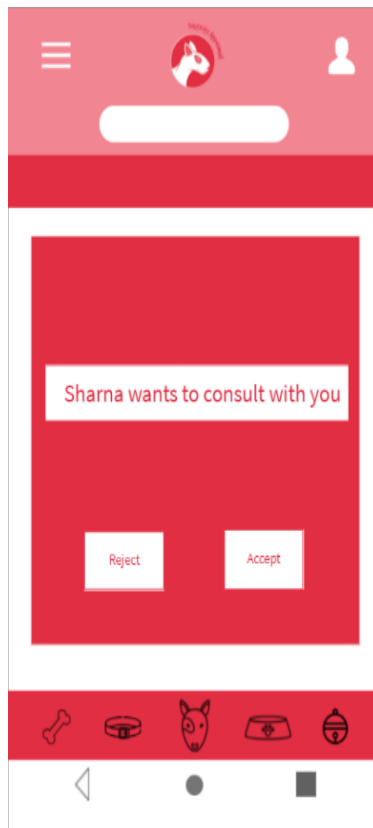
UI: Posting page



UI: Buying page



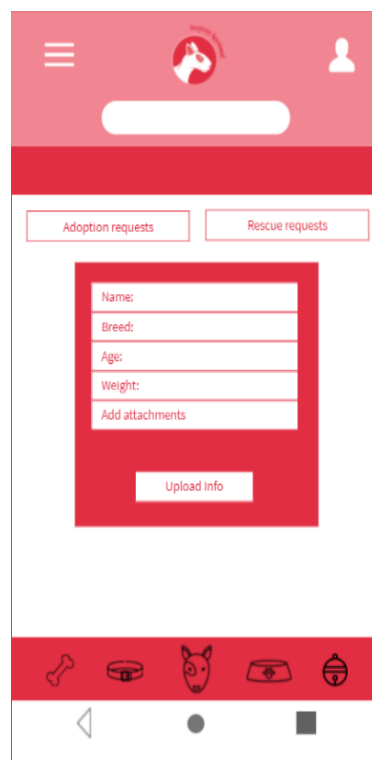
UI: Consulting page (Pet owner)



UI: Consulting page (Vet)



UI: Product update page



UI: Pet update page

Findings

Some of the major findings are-

- This application can help all classes and types of people
- People can easily get access to vets, rescue centers and pet shops
- Rescuing and adopting animals will get much easier with the help of this app
- Street animals' or pets' unnatural death rate can be reduced

Challenges

Some of the challenges we might face-

- Security issues
- Protecting intellectual properties
- Long-term financial support
- Keeping up with client demand
- Maintenance

Conclusion

As this project's main purpose is to ensure health care and rescue operation for pets and street animals also as this project doesn't target any specific age group of people so, if this project is implemented correctly, this can be huge beneficial to everyone including injured, unsheltered animals and pets.

THE END