Project Progress Seminar III
on
" Development of an Application for Pets "

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Problem Statement & Objectives

Problem Statement :

Today's trend consists of professionals having their families later in life or deciding not to have children at all. Pet owners are increasingly treating their pets as they would their children. Pets aren't just part of the family anymore. In some cases, they are family. They are willing to invest lots of money to have them cared for in an environment that would mirror their home surroundings.

Objectives:

- To provide pet grooming services.

- To provide veterinary services.

- To provide door-to-door service.

- To provide hassle-free reservations for the pet.

- To provide a user-friendly and informative mobile application.

Introduction

- India is one of the fastest growing pet care markets in the world

- Around 30,000 people adopted pets in the pandemic

- According to the Times of India pet styling industry has grown in few years. A large amount of revenue is generated through this business.

- Pet owners are increasingly treating their pets as their own child willing to invest lots of money on them so that they are best in their health and looks.

- Our target customers are pet owners not restricted to only one pet per household and those who are willing to take services for their pets.

Literature Survey

Websites / Paper / Article	Reviews / Findings
American Veterinary Medical Association . U.S. Pet Ownership & Demographics Sourcebook. American Veterinary Medical Association; Schaumberg, IL, USA: 2012.	It discusses about maintaining the well-being of the pets , proper medications and quality grooming can be achieved .
American Pets Owner Association. 2021-2022 APPA National Pet Owners Survey. Greenwhich, CT: American Pets Owner Association (2021).	This give an important insight about the market of the business. It talks about the potential this industry has.
Pet Industry Trends, Growth & Statistics in 2022 and Beyond: Unleashing Your Ecommerce Pet Marketing Strategies by Reilly Roberts, Jun. 11 2022	It focuses on the competition that brick-and-mortar pet stores face in today's crowded pet supplies market, these retailers are increasingly looking for new ways to draw customer traffic into their aisles.

Real Time Survey

- **Scoopy Scrub, Nagpur:**

     Scoopy Scrub located in Laxmi Nagar, Nagpur which provides pet grooming with a large variety of services. They provide services such as training, dog walkers, cat and dog grooming and styling, pet boarding, hair grooming, pet transportation, etc.

- **Dogz Planet, Nagpur:**
     Dogz planet located in Gokulpeth, Nagpur provides grooming, pet care, food and nutrition.

- **Animal Health Care Centre, Nagpur:**

     Animal Health Care Center located at Central Avenue road, Nagpur provides animal treatment, consultation, pet vaccination and all kinds of pet accessories and food.

- **Little Pet's Paradise, Nagpur:**
     Little Pet's Paradise is located near Central Avenue road, Nagpur provides grooming services for pets such as nail trimming, bathing, hair cutting, making pets groomed for pet shows, etc.

Real Time Survey

- **Alphawings pet solution's, Nagpur:**

    Alphawings pet solution's located near Manewada road provides services only related to dogs such as dog bathing and blow dry, ear cleaning, flea and tick treatment, nail trimming, grooming and styling.

- **Catbase grooming center, Nagpur:**

    Catebase Grooming center is located in Jafar Nagar, Nagpur which only provides cat grooming and boarding services.

- **Petazoo, Nagpur:**

    Petazoo which is located in Trimurti Nagar, Nagpur provides various services for cats and dogs. They provide bathing, ear cleaning, nail trimming, flea and tick treatment, tooth brushing, body color and medical therapy.

- **Vitsprecious pet solutions, Nagpur:**
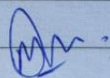
    Vitsprecious pet solutions located in Trimurti Nagar, Nagpur provides services such as day care, pet sitting, dog walking, pet food and they even sell various types of pets.

Real Time Survey

* Anu Pet Shop & Aquariums - Dhanea

  · Pet boarding
  · Pet transportation
  · Pet care
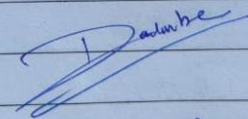
  We visited Anu Pet shop & Aquariums located in Gandhi square, Dhanea which provides services such as pet transportation, pet boarding & pet care.

  Mohit Fulzalge

* Alphawing's pet Solution's - Nagpur

  We visited Alphawing's pet Solution's located near Manewada road, Nagpur. They specially provide services for dogs such as bathing, blow dry, flea and tick treatment, nail trimming, grooming and styling.

  Durgesh Kalambe
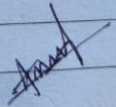
Real Time Survey

* Dogz Planet - Nagpur
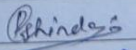
- Grooming
- Pet care
- food
- Nutrition.

we visited the Dogz Planet located in gokul peth, Nagpur which provides the above services, but they provide best services in this sector.

Amolya Naik

Dr. Pramod Shinde - Nagpur

we visited to Dr. Pramod Shinde's pet clinic which is located in Nankapur, Nagpur. They provide medication services such as regular vaccinations, surgery, radiology, dental and all kinds of medical treatments to animals. They are newly started, having their presence nearby only.

Pramod Shinde

Real Time Survey
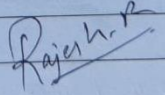
* Little Pet's Paradise - Nagpur

we visited pet little pet's paradise located in Central Avenue road, Nagpur and found this they provides grooming service such as nail trimming, bathing, etc & also they Train & groom pets for pet shows.

Ayush Thadani

* Sant Krupa Pet store - Saoner

we visited Sant Krupa pet store located in Saoner which is basically a store, They provide pet foods & pet's related products & accessories, But they don't have an online model & not a prior knowledge to that so we told them about our idea and they showed their interest, listing their products on our App.

Rajesh Rathode
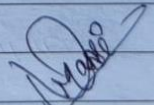
Real Time Survey

* Scoop Scrub - Nagpur
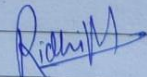
- Grooming
- Training
- Dog walkers
- Pet boarding

we visited Scoop Scrub located in Laxmi nagar, Nagpur which provides the above services although their main problem is the reachability to the people.
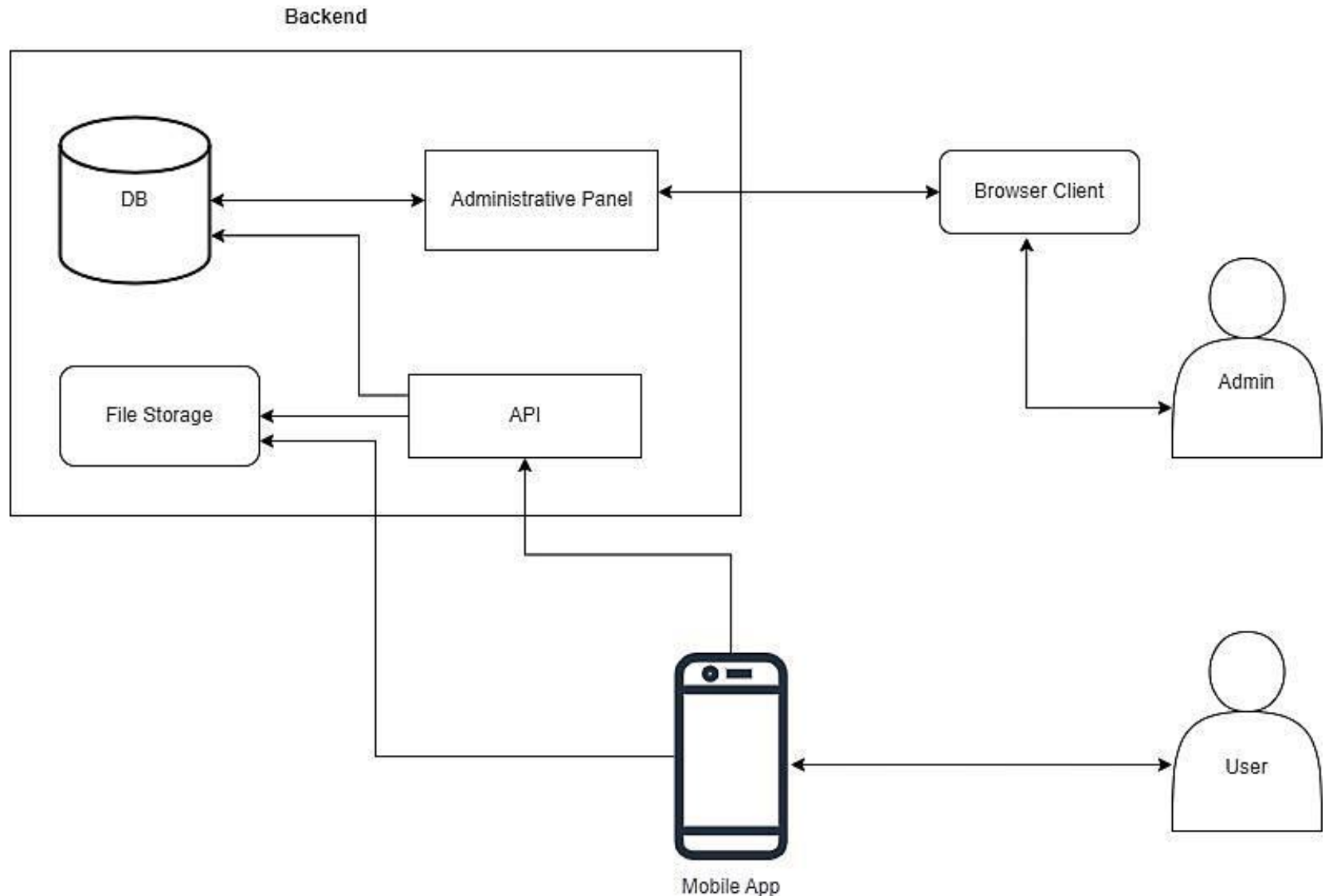
Mansi Nimbarte

* vits precious pet solutions - Nagpur

we visited vits precious pet solution's located in Trimurti nagar, Nagpur which provides services such as day care, pet sitting, dog walking, pet food and they even sell various types of pets. But they have only limited market reach.

ridhi Mehta

System Design: System Flowchart
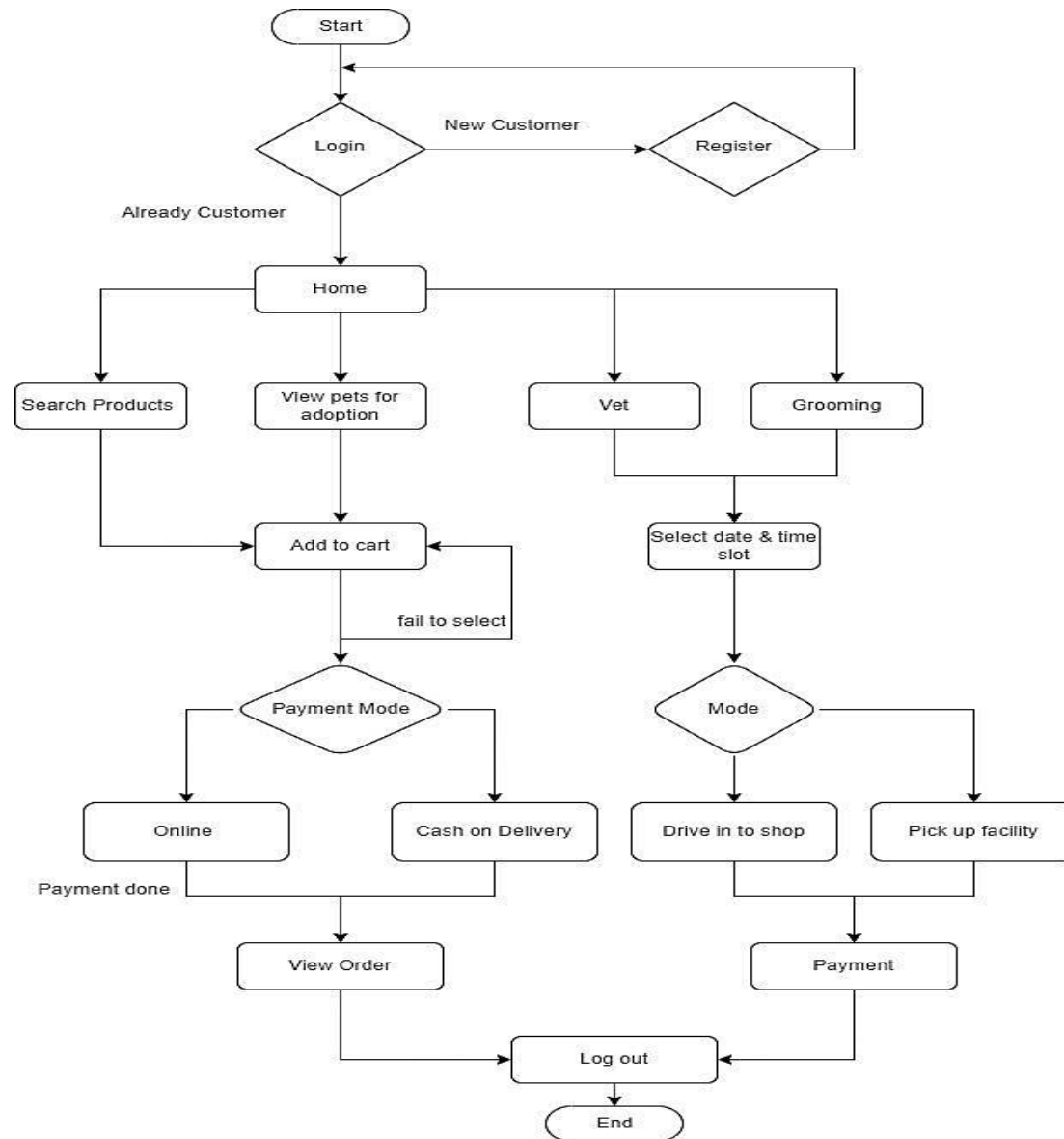
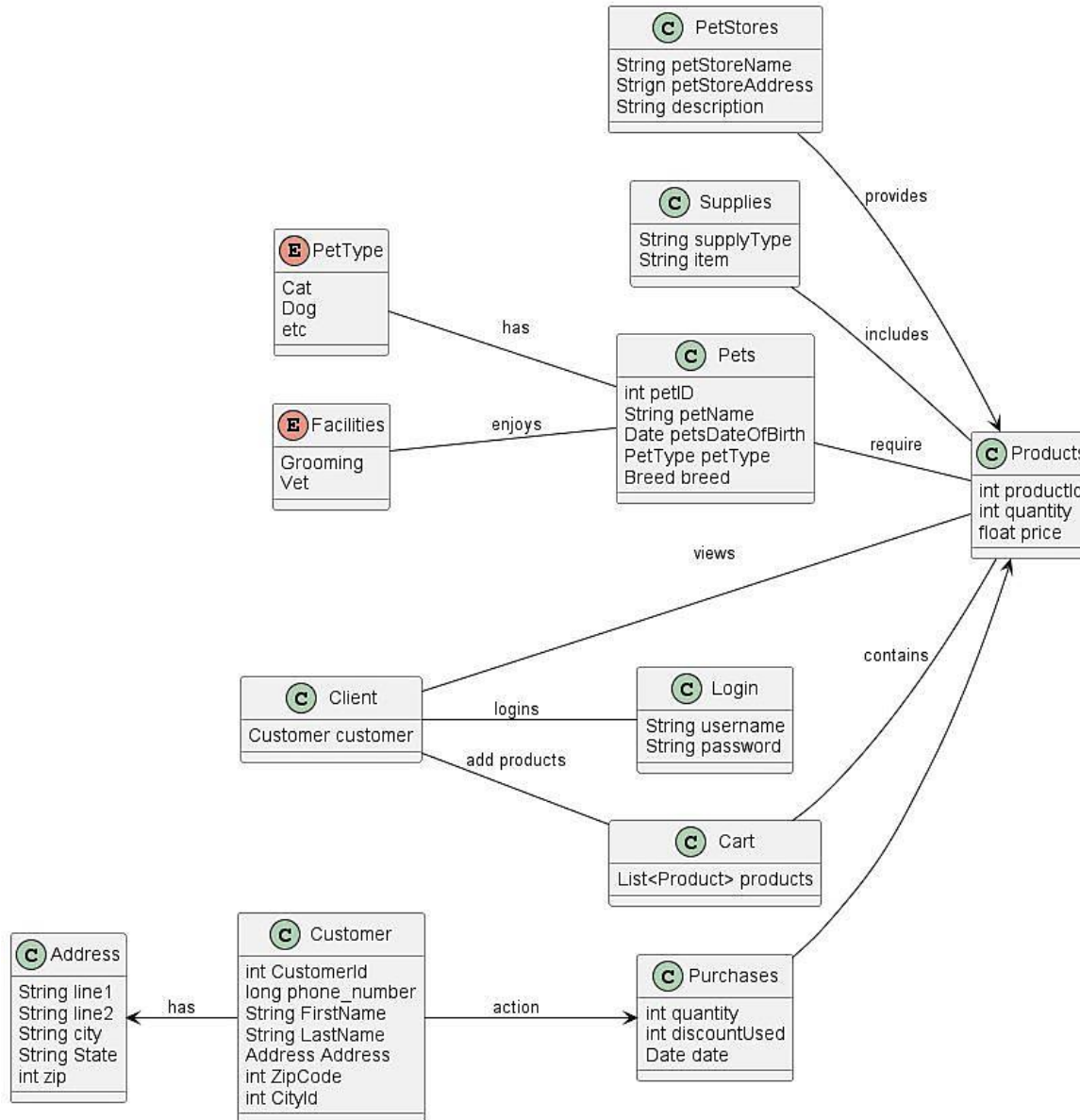# System Design: System Architecture

System Design: Use Case Diagram
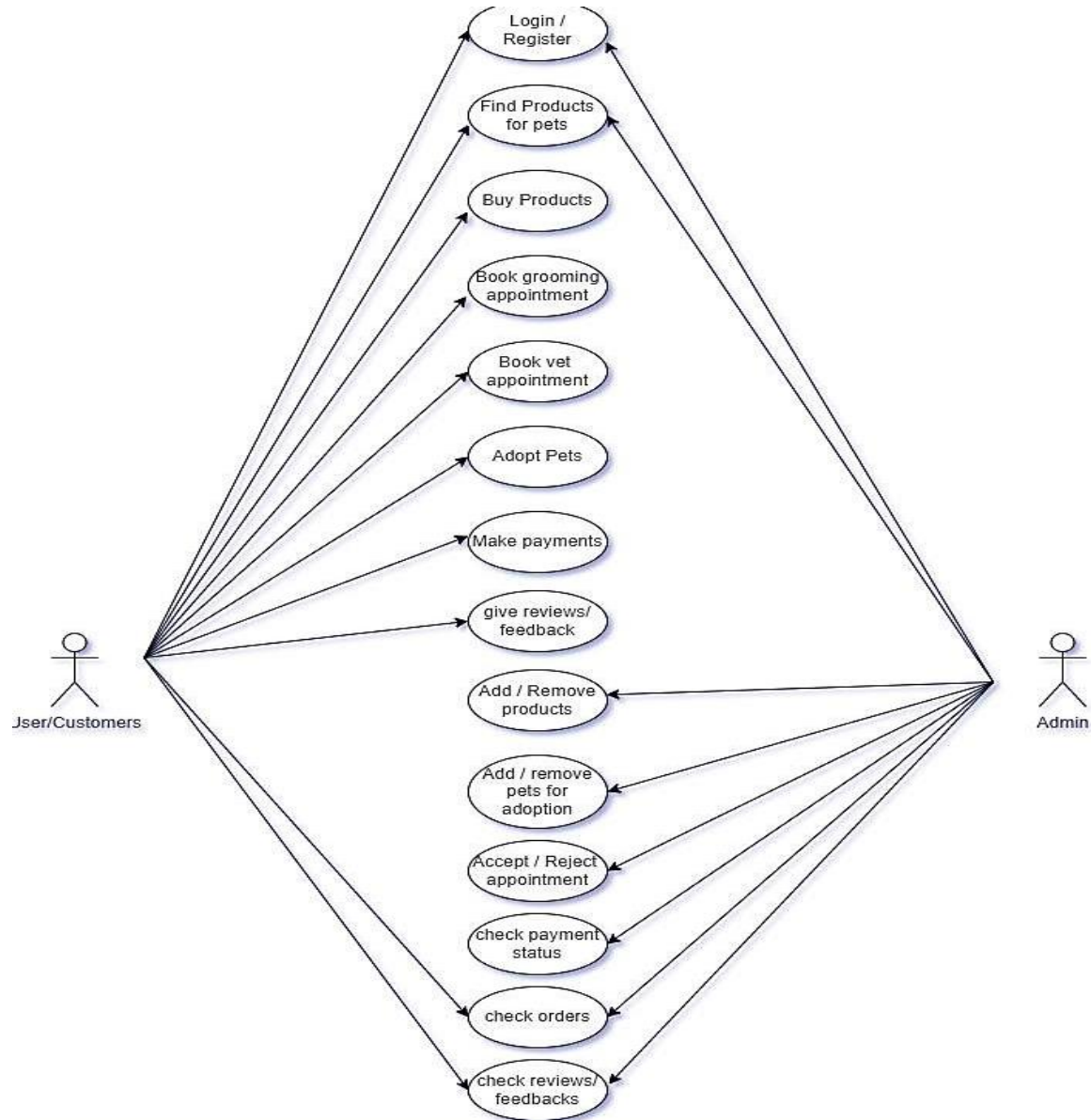
System Design: Sequence Diagram
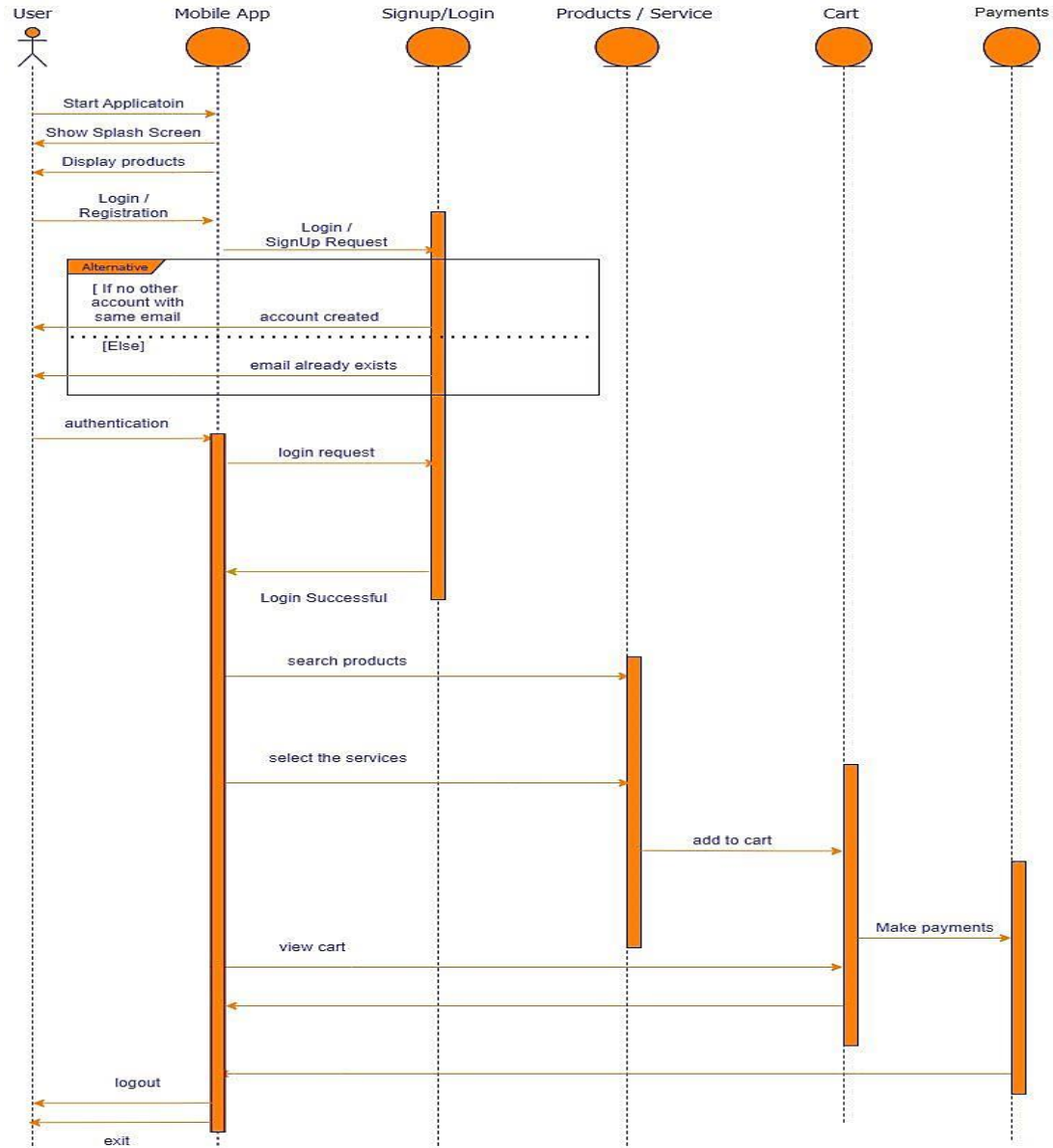
System Design: Class Diagram

Proposed Work

The intent of our project is that the user should get all types services for their pets which are provided by the various shops. The user should afford and compare prices of services provided by the shops across the city. The client must get all types of veterinary services used for the treatment of many kinds of diseases of their pets. Our marketplace will be simple where all the service providers will provide all kinds of services provided by them so that the customer can book them accordingly. Services such as grooming, training, day care, pet boarding and veterinary will be added by the providers.

Our application is simple where the customer can book appointments with just login and payment. Our app will be user friendly. The principle of our app is to satisfy the customer with all his needs. We aim to get every person and their pet to connect with us.

Developed Modules

- **Module 1: Admin**

  - **Admin Dashboard**: Admin can see all records of the products, services and orders.
  - **Manage Products**: Admin can Add/update and delete products as well as pets and services.
  - **Admin Management**: Admin can Login/ Log out.

- **Module 2: User /Customer**

  - **Home**: User/Customer can search for various kinds of products for their pets and, they can book appointment for vet as well as for grooming services.
  - User will also be able to see the products under certain subcategory of that pet accessories.
  - User can give reviews about the product and services.

  - **Order/Appointment Management**: Users/customers can view and process orders and pay for same also book an appointment for services.

  - **Customer Managements**: User/customer can Login/ log out, View/ Update Profile.

Technology Used

Code Base : Ionic, Angular, Cordova
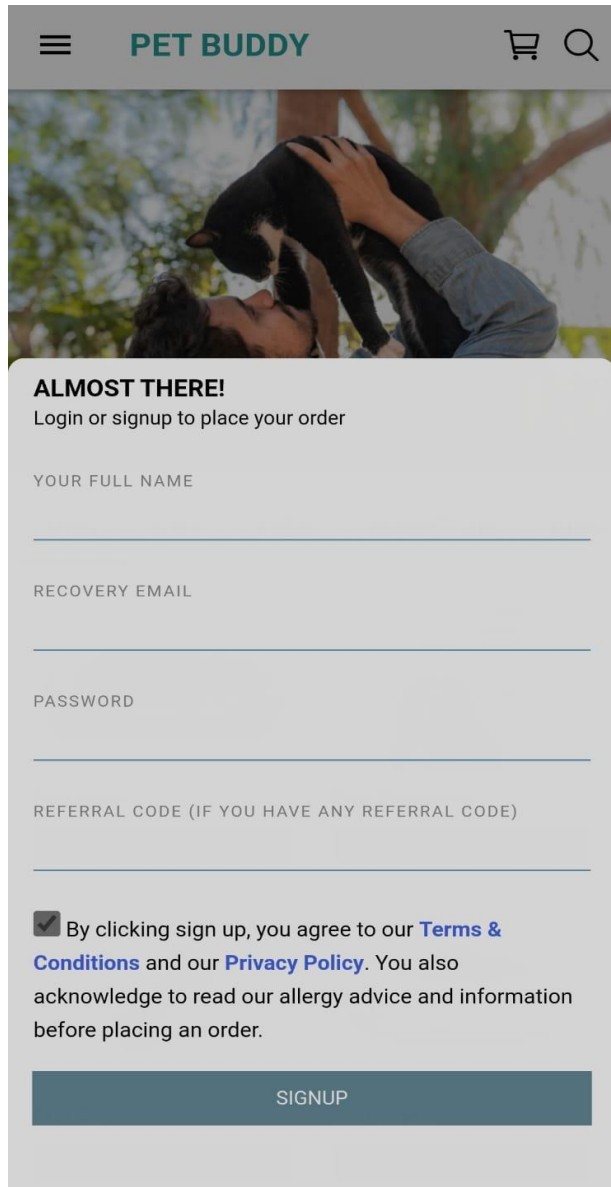
Backend : PHP

Database : MySQL

Packages:

- One Signal – for push notifications
- Stripe – for payments
- Cache Network image – to image from internet
- Firebase – Analytics
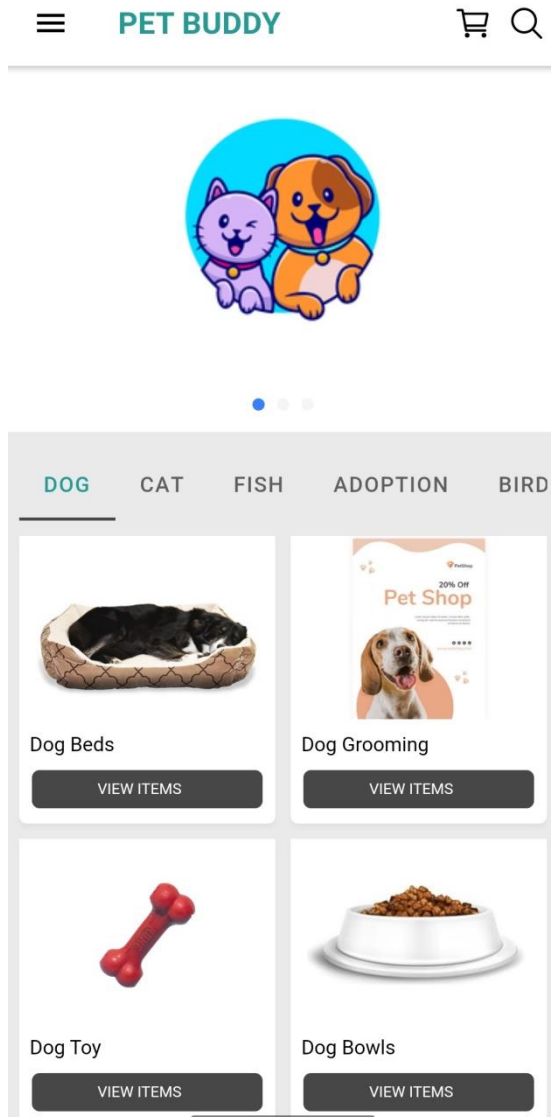- HTTP any – for consuming HTTP resources

Screen Shots

Login Page

- This is the Login Page of our application.

- The user needs to verify his phone number then enter his details.

- After agreeing to the terms and conditions of our application the user can signup.

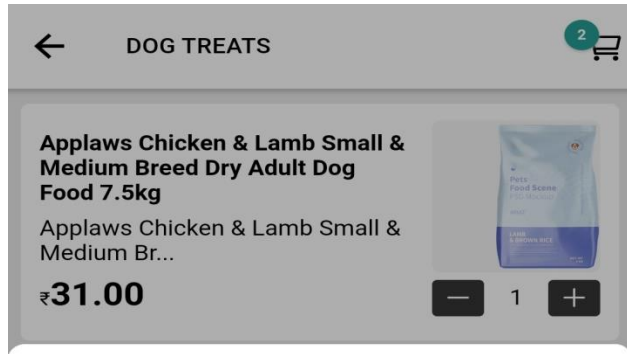- The user can login by entering his/her phone number and by entering password.

Screen Shots

Home Page

- This is the Home Page of our application.

- The user can check different categories of pets.

- The user can check various products.

- The user can then add the items to cart and order those products.

Screen Shots

Product Description Page

- This is the Product Description Page of our application.

- The user can check different categories of products.

- The user can also check the product description.
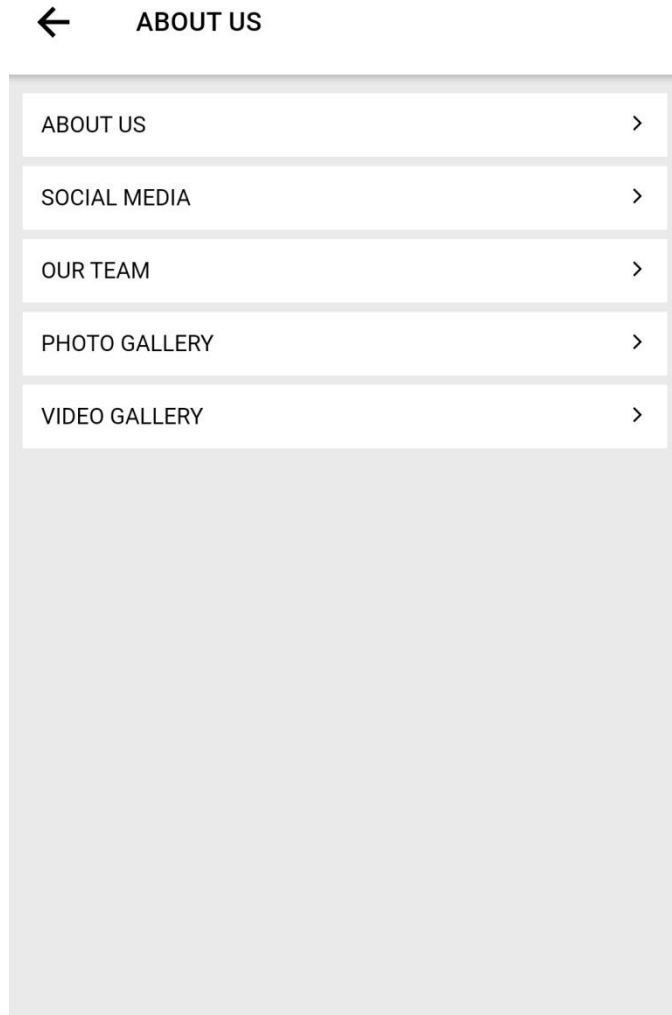- The user can then add the items to cart and order those products.

Screen Shots

ABOUT US

ABOUT US	›
SOCIAL MEDIA	›
OUR TEAM	›
PHOTO GALLERY	›
VIDEO GALLERY	›

About Us Page

- This is the About Us Page of our application.

- The user can check about the application and know more about the company.

- The user can check the team of the application and can see their social media pages.

- The user can also see the work provided by the providers.

Screen Shots

Pet Groomig Service

We offer professional grooming service. If you are looking for reliable pet groomers, we can help.

Please fill in the form below and we will contact you at the earliest.

YOUR FULL NAME

CONTACT NUMBER

DATE
25th December 2022

TIME
07.30pm

GROOMING REQUIREMENTS
e.g Need my dogs nails clipped

NUMBER OF PETS

SUBMIT

Grooming Service Page

- This is the Grooming Service Page of our application.

- The user can book appointment for his pet.

- The user has to enter his/her name, contact number, date of grooming, time, his/her requirements and the number of pets he/she has.

- The user then can pay for the appointment.

Screen Shots

Checkout Page

- This is the Checkout Page of our application.

- The user can buy products for their pets.

- After selecting the product and quantity the user can add the products to cart and can pay online or can select cash on delivery.

Screen Shots

Payment Information

We Accept
VISA MasterCard Maestro AMERICAN EXPRESS

| 📇 Card number | MM / YY |

🔒 PAY 129.90

Payment Page

- This is the Payment Page of our application.

- The user can buy products for their pets and can also book services for them.

- The user needs to enter his card details and pay.

Advantages & Applications

Advantages:

- Pet Grooming can be done by door step services.

- We have multiple sellers.

- Multiple sellers means more variety of services provided.

- Pet sitting and boarding will help the pet parent to leave the city for days

Advantages & Applications

Applications:

- This will be a one stop solution to get all kind of services for pets.

- Veterinary services can be used to treat many kind of diseases of the pets.

- Pet grooming has a great significance in this modern world.

- Service providers/ Doctors can list themselves in our application and provide their services.

- Pet day care and boarding will provide the pet parent to go out of town for days.

Conclusion

In our work, we **designed** a mobile application and completed its development by applying **engineering knowledge,** which provides an approach for helping human beings and their pets. We believe that the application we developed would be beneficial and efficient in today's world and would solve problems for pet owners who care for their pets and want the best **services** and **medical assistance** for their pets. It analyzes how many pet parents there are in a locality so we can provide our services throughout the city. We have used **modern tools** like Ionic to implement the project.

References

Papers:

[1] American Veterinary Medical Association . *U.S. Pet Ownership & Demographics Sourcebook.* American Veterinary Medical Association; Schaumberg, IL, USA: 2012. [Google Scholar]

[2] American Pets Owner Association. 2021-2022 APPA National Pet Owners Survey. Greenwhich, CT: American Pets Owner Association (2021).

[3] Pet Industry Trends, Growth & Statistics in 2022 and Beyond: Unleashing Your Ecommerce Pet Marketing Strategies by Reilly Roberts, Jun. 11 2022

Websites:

- https://animalwellnessmagazine.com/dog-grooming-trends/
- https://www.futuremarketinsights.com/reports/pet-grooming
- https://www.thrivepetcare.com/.../commack/peace-love-pets-veterinary-care

Thank You