



# APNAO APP

---

**Group 6:** Bilal Naseem; Amen Chughtai; Shaheryar Ahmed;



# Overview

---

- 01** There is a strong need to raise awareness of animal cruelty, and strengthen organizations supporting this cause. There is a need for a platform where pet lovers can engage together.
- 02** A secured and verified platform for pet adoption and donation to Adoption Shelters and NGOs.
- 03** Mission - To be the Go-to app for anything pet/animal related.



# Positioning

---

## **PET Adoption**

Verified Adoption Shelters can post on the App to put up Animals for Adoption. Complete details of the animals would be entered on the app such as their age, medical history, breed etc. The User can book an appointment with the animal shelter through the app.

## **Donation to Animal Shelters / NGOs**

Users can donate to animal shelters and NGOs easily through the app, making donations to such organizations convenient. Also, active donors would be invited to become Apnao Ambassadors.

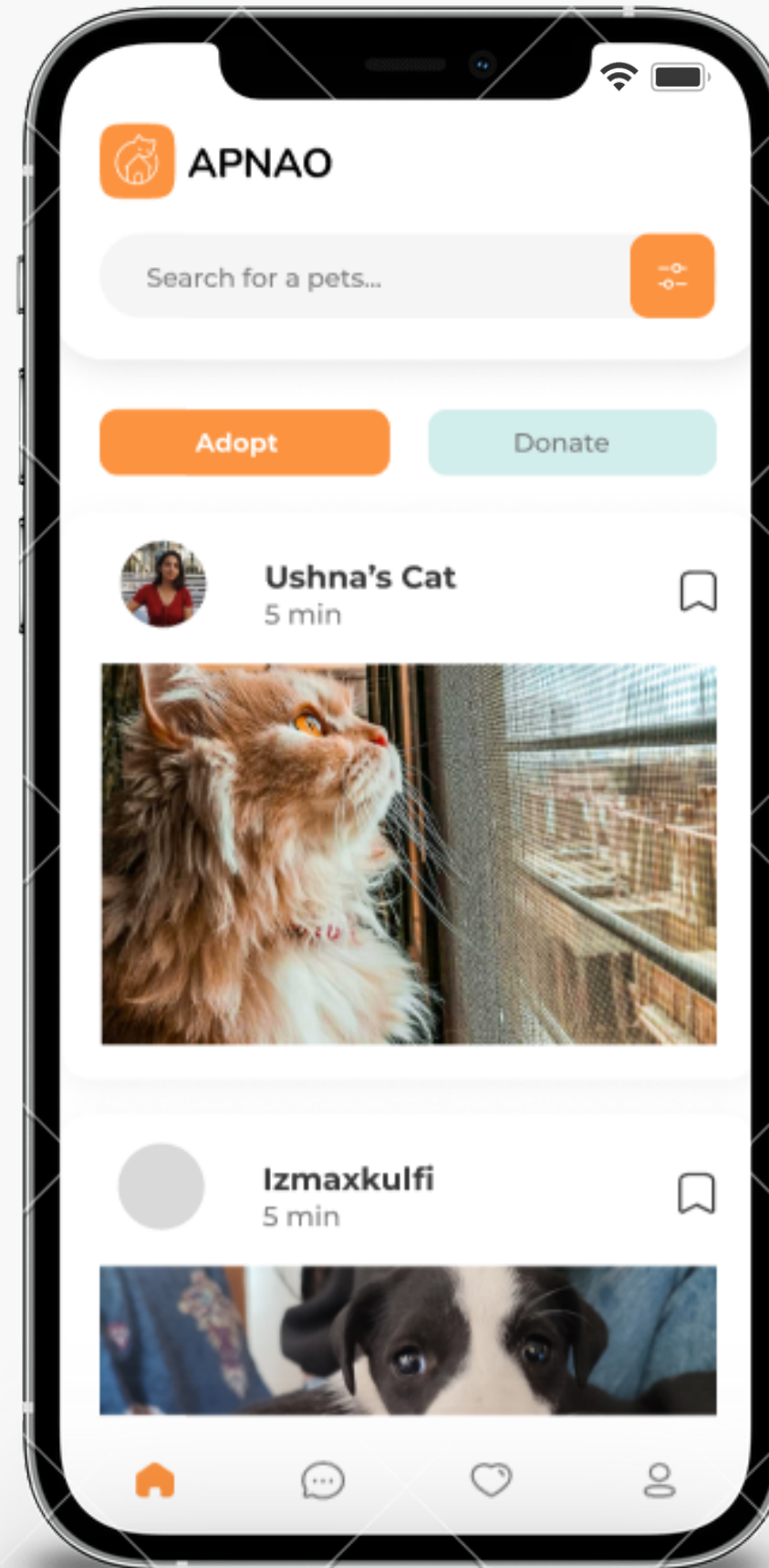
## **Lost & Found**

Any user may be allowed to post for their lost animal on the app, and help others find their animal.



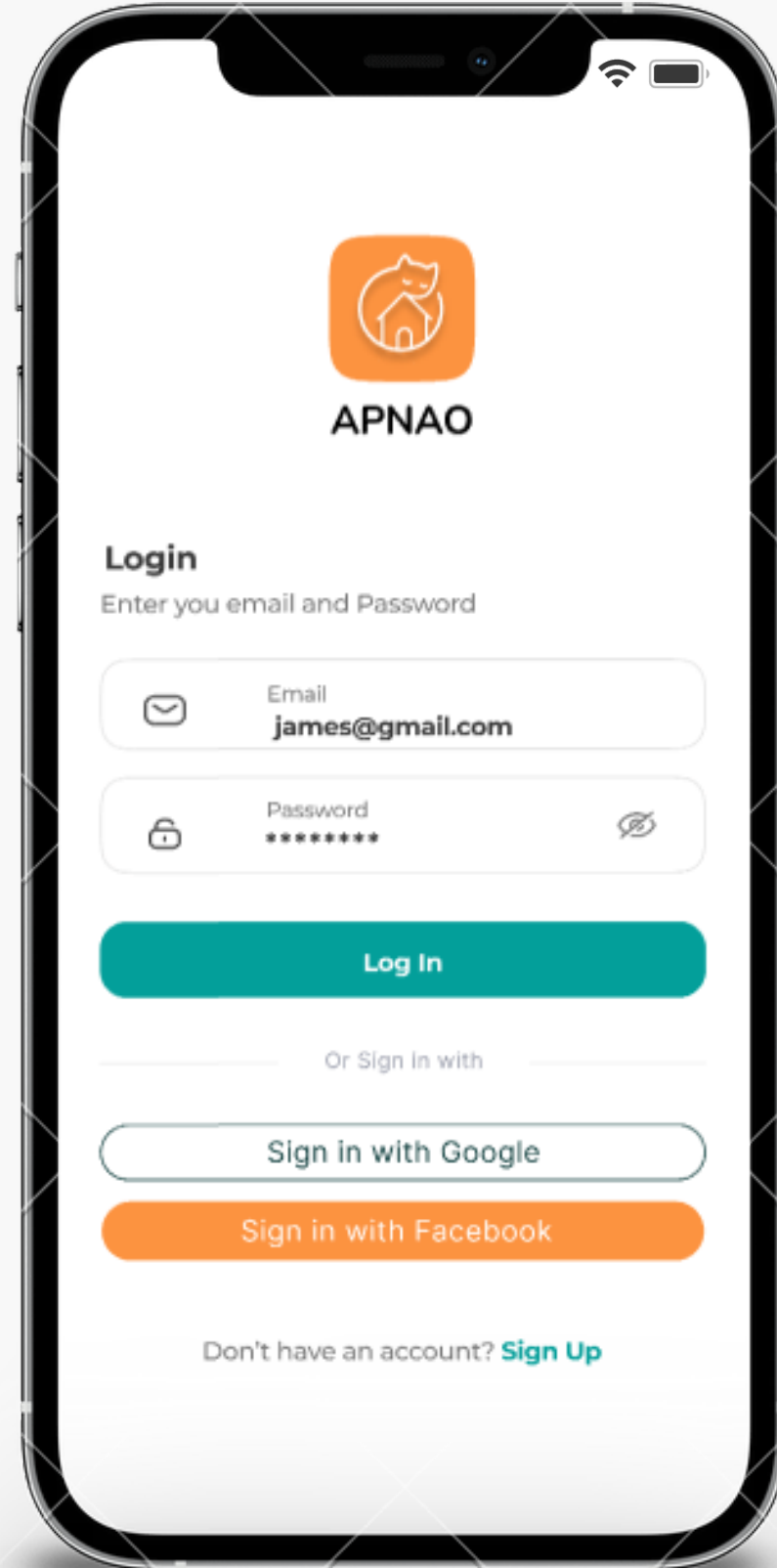
# Adoption Screen (For Users)

Users would be able to lookup for Pets posted up for adoption near

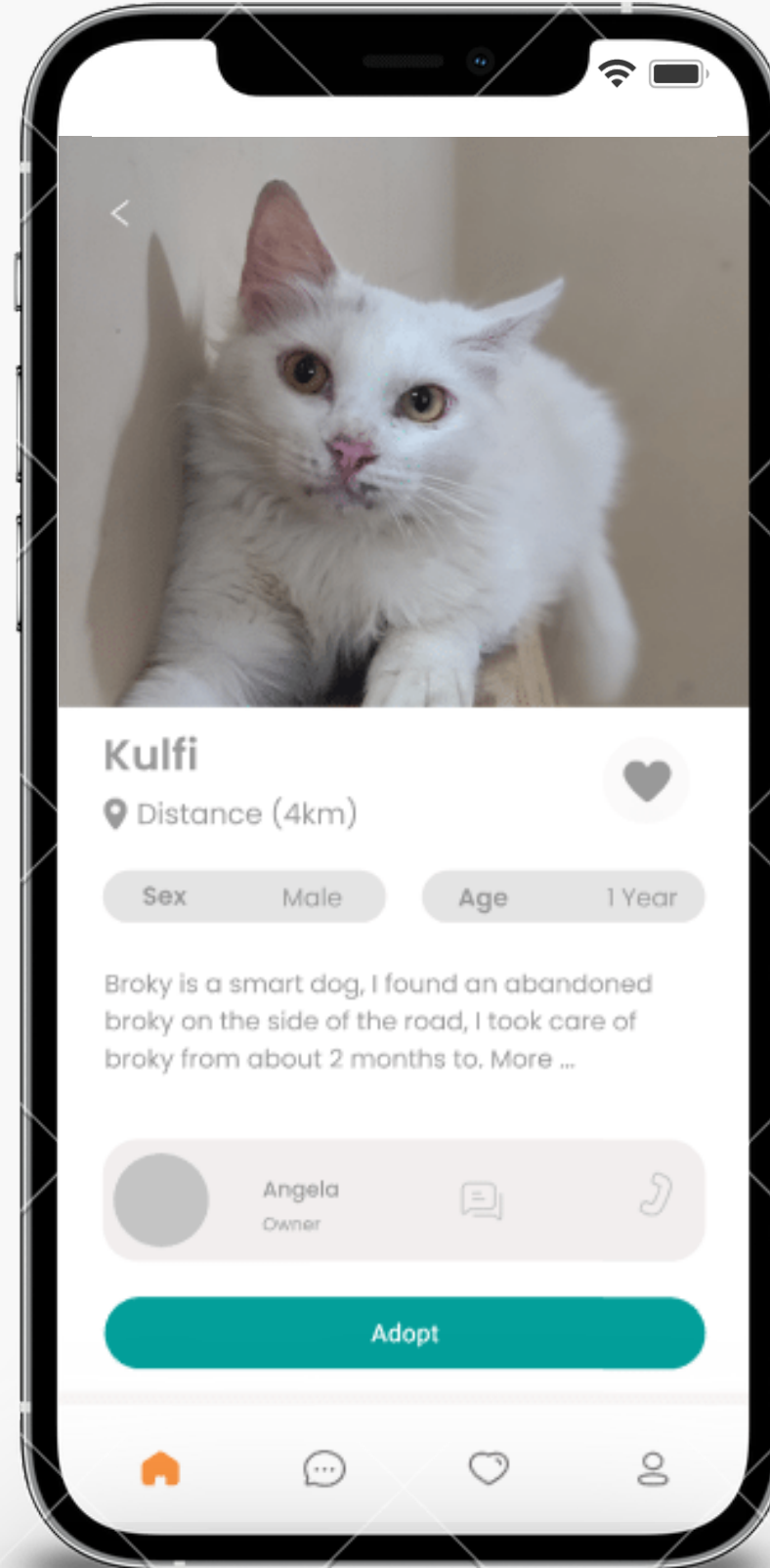


- 01 Users can search for nearby animals put up for adoption by registered animal shelters on the app.
- 02 The posts can be upvoted and even be shared on other platforms such as Facebook & WhatsApp.
- 03 Users can get a the detailed information of the animal on the animal before booking an appointment.

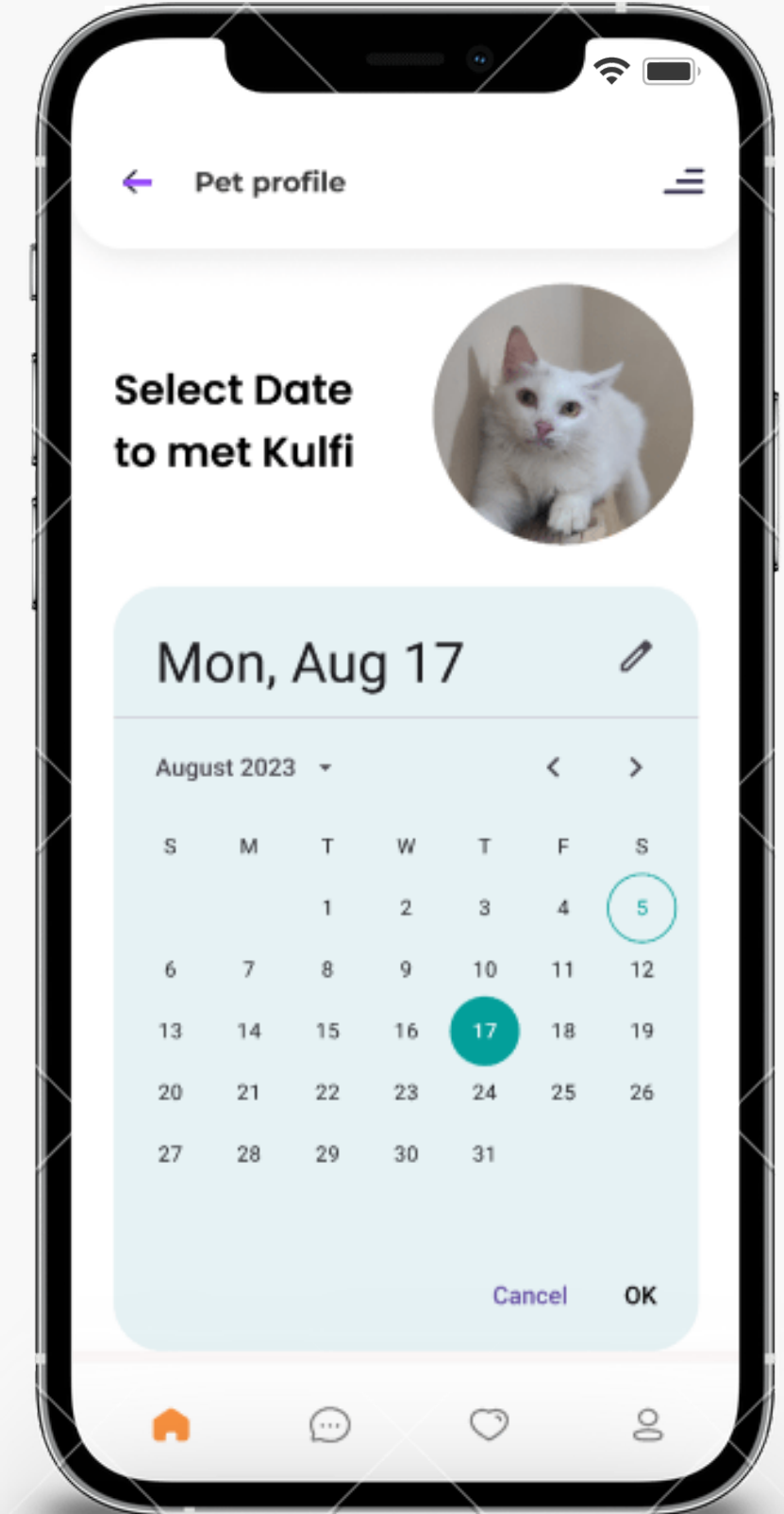




The login screen features the APNAO logo at the top. Below it, a 'Login' section prompts the user to 'Enter you email and Password'. There are two input fields: 'Email' with the text 'james@gmail.com' and 'Password' with masked characters '\*\*\*\*\*'. A teal 'Log In' button is positioned below the fields. Below the button, a link 'Or Sign in with' is followed by two buttons: 'Sign in with Google' and 'Sign in with Facebook'. At the bottom, a link 'Don't have an account? Sign Up' is displayed.



The pet profile screen for a cat named 'Kulfi' shows a large photo of the cat at the top. Below the photo, the name 'Kulfi' is displayed, followed by 'Distance (4km)' and a heart icon. The cat's details are shown in two tabs: 'Sex' (Male) and 'Age' (1 Year). A description follows: 'Broky is a smart dog, I found an abandoned broky on the side of the road, I took care of broky from about 2 months to. More ...'. Below the description is a section for the owner, 'Angela Owner', with icons for a profile picture, chat, and call. A teal 'Adopt' button is at the bottom. The bottom navigation bar includes icons for home, messages, heart, and profile.

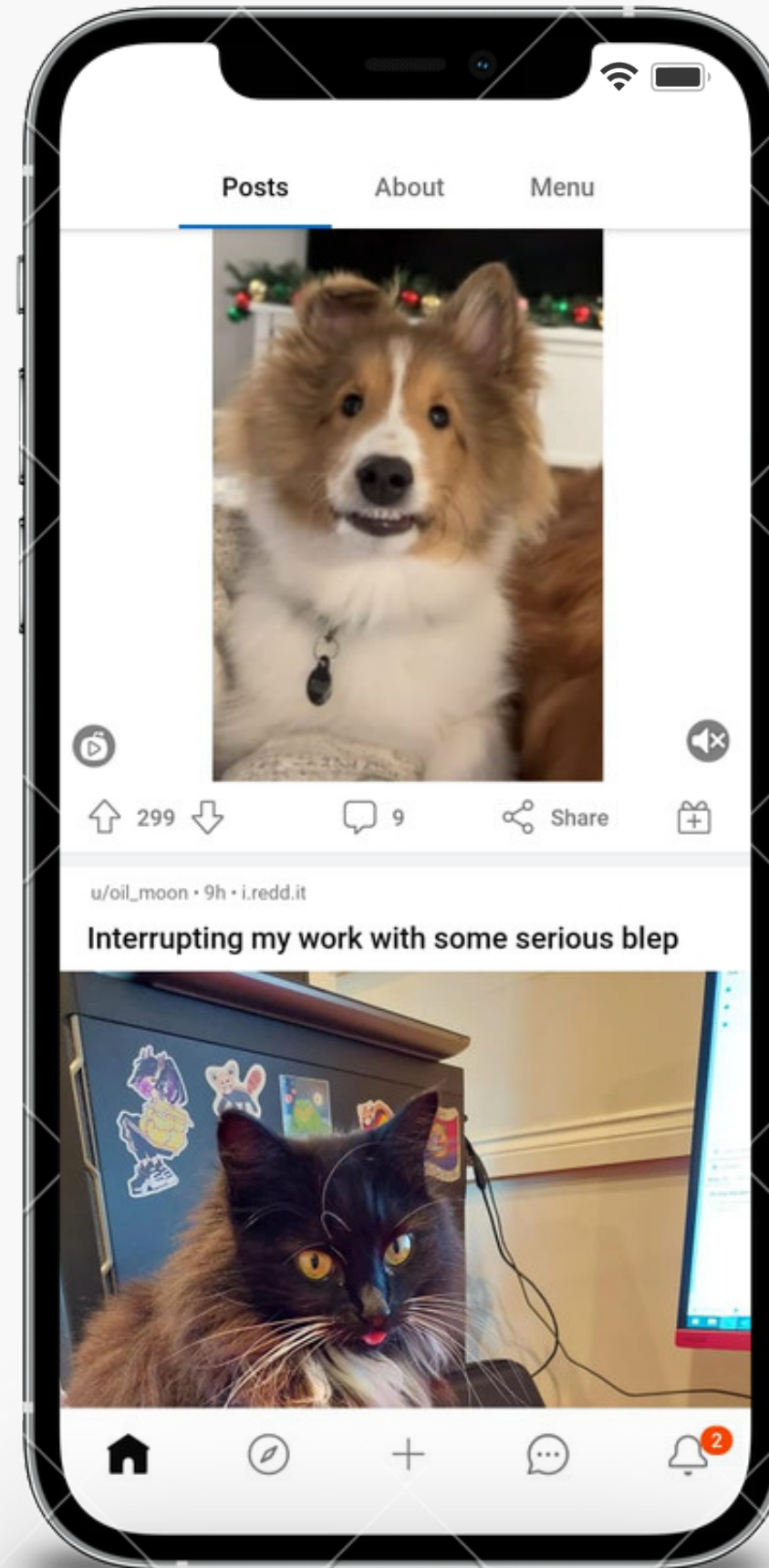


The date selection screen is titled 'Pet profile' with a back arrow and a menu icon. It features a circular profile picture of the cat 'Kulfi'. The main heading is 'Select Date to met Kulfi'. Below this is a date picker showing 'Mon, Aug 17'. The calendar is for August 2023, with the 5th and 17th highlighted. At the bottom of the calendar are 'Cancel' and 'OK' buttons. The bottom navigation bar is consistent with the previous screens.

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

# News Feed (Future)

A Social Platform for animal enthusiasts to share and interact with each other.



- 01 Any user can post to the feed, be it a funny post or a social concern. Comments and likes can be made to the posts and the comments. Users can even text each other through the app.
- 02 In a user's newsfeed posts made at the nearest location would be shown.
- 03 The animal loving community would have a platform to engage with each other. The feed would also keep users engaged with the app.

# Monetization

---

## **Pet Food and Accessories**

The app would have an in-built store with pet accessories and food. The user would be able to buy from the app, and would get the product delivered at his home step. The service would be available in selected cities early on. Stores and Brands can be partnered with to sell their product on the app.

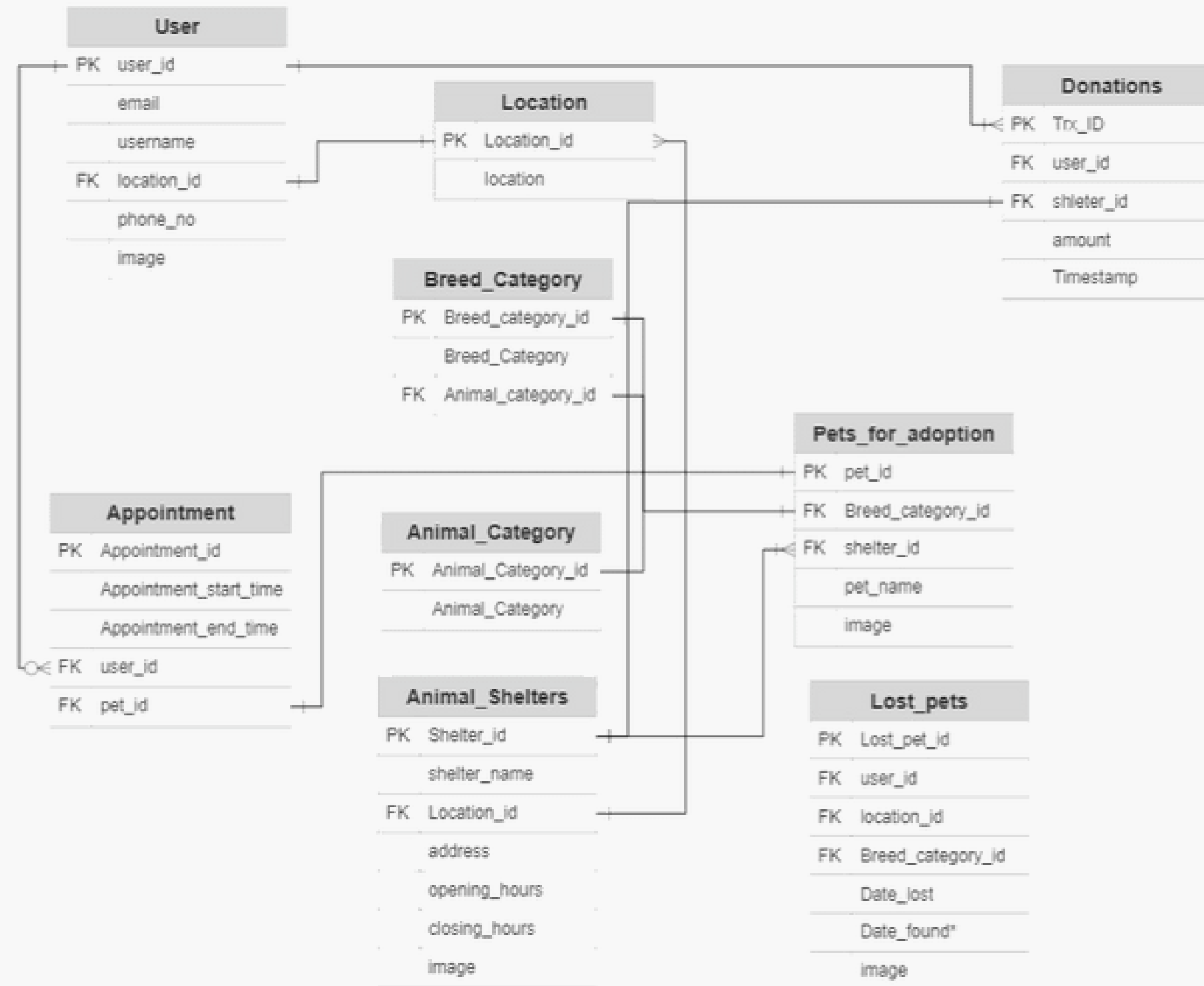
## **Vets and Grooming services**

Similar to Shelter homes, Registered Vets and Grooming centers would be able to register to the app. Vets can be partnered with and may be charged a subscription fee to be on the app. The user would be able to search, select, and make appointment with the nearest Vet from the app.



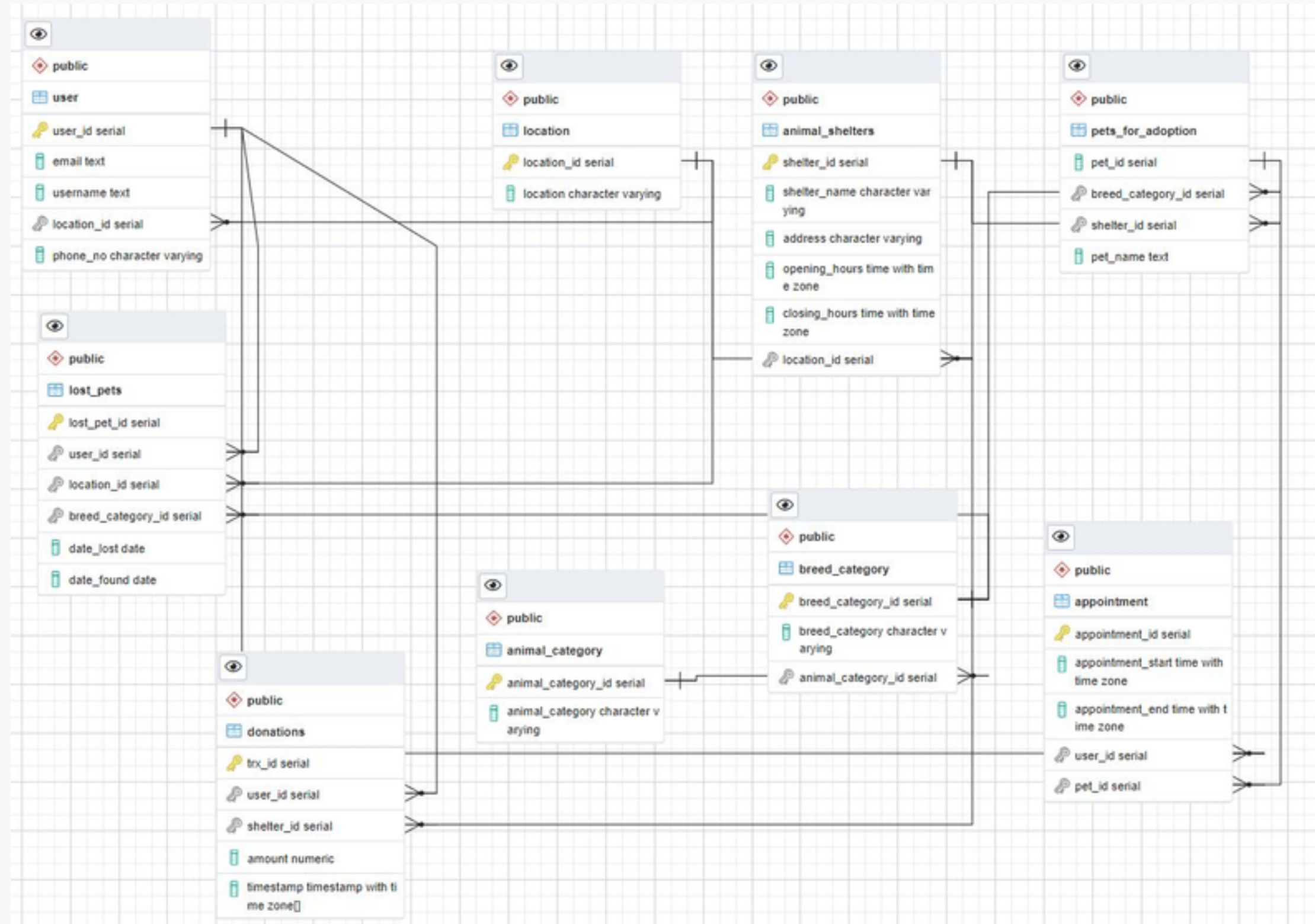


# ER Diagram





# ERD on PostgreSQL



# Creating Tables

```
CREATE TABLE IF NOT EXISTS public.location
(
    location_id serial NOT NULL,
    location character varying,
    PRIMARY KEY (location_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.animal_shelters
(
    shelter_id serial NOT NULL,
    shelter_name character varying,
    address character varying,
    opening_hours time with time zone,
    closing_hours time with time zone,
    location_id serial NOT NULL,
    PRIMARY KEY (shelter_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.animal_category
(
    animal_category_id serial NOT NULL,
    animal_category character varying,
    PRIMARY KEY (animal_category_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.users
(
    user_id serial NOT NULL,
    email text,
    username text,
    location_id serial NOT NULL,
    phone_no character varying,
    PRIMARY KEY (user_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.appointment
(
    appointment_id serial NOT NULL,
    appointment_start time with time zone,
    appointment_end time with time zone,
    user_id serial NOT NULL,
    pet_id serial NOT NULL,
    PRIMARY KEY (appointment_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.breed_category
(
    breed_category_id serial,
    breed_category character varying,
    animal_category_id serial,
    PRIMARY KEY (breed_category_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.pets_for_adoption
(
    pet_id serial NOT NULL,
    breed_category_id serial NOT NULL,
    shelter_id serial NOT NULL,
    pet_name text,
    PRIMARY KEY (pet_id)
);
```

```
CREATE TABLE IF NOT EXISTS public.donations
(
    trx_id serial NOT NULL,
    user_id serial NOT NULL,
    shelter_id serial NOT NULL,
    amount numeric,
    "timestamp" timestamp with time zone[]
);
```

```
CREATE TABLE IF NOT EXISTS public.lost_pets
(
    lost_pet_id serial NOT NULL,
    user_id serial NOT NULL,
    location_id serial NOT NULL,
    breed_category_id serial NOT NULL,
    date_lost date,
    date_found date,
    PRIMARY KEY (lost_pet_id)
);
```



# Constraints

```
ALTER TABLE IF EXISTS public.animal_shelters
  ADD CONSTRAINT location_id FOREIGN KEY (location_id)
  REFERENCES public.location (location_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.users
  ADD CONSTRAINT location_id FOREIGN KEY (location_id)
  REFERENCES public.location (location_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.appointment
  ADD CONSTRAINT user_id FOREIGN KEY (user_id)
  REFERENCES public.users (user_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.appointment
  ADD CONSTRAINT pet_id FOREIGN KEY (pet_id)
  REFERENCES public.pets_for_adoption (pet_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.breed_category
  ADD CONSTRAINT animal_category_id FOREIGN KEY (animal_category_id)
  REFERENCES public.animal_category (animal_category_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.pets_for_adoption
  ADD CONSTRAINT breed_category_id FOREIGN KEY (breed_category_id)
  REFERENCES public.breed_category (breed_category_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```





# Constraints

```
ALTER TABLE IF EXISTS public.pets_for_adoption
  ADD CONSTRAINT shelter_id FOREIGN KEY (shelter_id)
  REFERENCES public.animal_shelters (shelter_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.donations
  ADD CONSTRAINT user_id FOREIGN KEY (user_id)
  REFERENCES public.users (user_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.donations
  ADD CONSTRAINT shelter_id FOREIGN KEY (shelter_id)
  REFERENCES public.animal_shelters (shelter_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.lost_pets
  ADD CONSTRAINT user_id FOREIGN KEY (user_id)
  REFERENCES public.users (user_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.lost_pets
  ADD CONSTRAINT location_id FOREIGN KEY (location_id)
  REFERENCES public.location (location_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
ALTER TABLE IF EXISTS public.lost_pets
  ADD CONSTRAINT breed_category_id FOREIGN KEY (breed_category_id)
  REFERENCES public.breed_category (breed_category_id) MATCH SIMPLE
  ON UPDATE NO ACTION
  ON DELETE NO ACTION
  NOT VALID;
```

```
END;
```

# Inserting Values

```
-- pet_id, breed_category_id, shelter_id, pet_name
insert into pets_for_adoption values(0001, 0001, 1, 'Rusty');
insert into pets_for_adoption values(0002, 0001, 1, 'Lady');
insert into pets_for_adoption values(0003, 0001, 1, 'Shadow');

insert into pets_for_adoption values(0004, 0002, 1, 'Missy');
insert into pets_for_adoption values(0005, 0002, 1, 'Gizmo');
insert into pets_for_adoption values(0006, 0002, 1, 'Lilly');

insert into pets_for_adoption values(0007, 0003, 1, 'Bentley');
insert into pets_for_adoption values(0008, 0003, 1, 'Mia');
insert into pets_for_adoption values(0009, 0003, 1, 'Zeus');

insert into pets_for_adoption values(0010, 0003, 1, 'Katie');
insert into pets_for_adoption values(0011, 0004, 2, 'Jackson');
insert into pets_for_adoption values(0012, 0004, 2, 'Zoey');
insert into pets_for_adoption values(0013, 0004, 2, 'Baxter');

insert into pets_for_adoption values(0014, 0005, 2, 'Madison');
insert into pets_for_adoption values(0015, 0005, 2, 'Bandit');
insert into pets_for_adoption values(0016, 0005, 2, 'Stella');

insert into pets_for_adoption values(0017, 0006, 3, 'Gus');
insert into pets_for_adoption values(0018, 0006, 3, 'Penny');
insert into pets_for_adoption values(0019, 0006, 3, 'Samson');

insert into pets_for_adoption values(0020, 0007, 3, 'Belle');
insert into pets_for_adoption values(0021, 0007, 3, 'Milo');
insert into pets_for_adoption values(0022, 0007, 3, 'Casey');
```

```
insert into breed_category values(0001, 'Persian', 1);
insert into breed_category values(0002, 'Ragdoll', 1);
insert into breed_category values(0003, 'British Shorthair', 1);
insert into breed_category values(0004, 'Siamese', 1);
insert into breed_category values(0005, 'Sphynx', 1);
insert into breed_category values(0006, 'Abyssinian', 1);
insert into breed_category values(0007, 'Birman', 1);
insert into breed_category values(0008, 'Somali', 1);
```

```
insert into animal_shelters values(0001, 'ACF Animal Rescue', 'Millenium Mall,
Block 10 Gulistan-e-Jauhar,Karachi, Sindh', '8:00:00', '17:00:00', 2);
insert into animal_shelters values(0002, 'KAWS - Karachi Animal Walfare Society',
'Plot No. 7-C, Lane-11, Nishat Commercial, Phase-8 DHA, K Bukhari Commercial,
Karachi, Sindh', '8:00:00', '17:00:00', 1);
insert into animal_shelters values(0003, 'Strays Home Rehabilitation Shelter',
'H-10 Chauntra Islamabad','8:00:00', '17:00:00', 4);
insert into animal_shelters values(0004, 'Innocent Pets Shelter',
'Plot No. 8-B, Lane-17, Nawaz Commercial,
Phase-7 DHA, Lahore, Punjab,', '8:00:00', '17:00:00', 3);
insert into animal_shelters values(0005, 'The Paws Rescue', 'R-53, Block H,
North Nazimabad, Karachi, Sindh', '8:00:00', '17:00:00', 5);|
```





# Thank You

