<u>BRAINSTORMING</u>

1. DisplayPets
    a. Image
    b. Name
    c. Gender
    d. Age
    e. Special Considerations
2. Adopt
    a. Name of Pet Interested In
    b. First_Name
    c. Last_Name
    d. Children in the home
    e. Rent or own
    f. Cost of Care Discaimer
    g. Street Address
    h. City
    i. State
    j. Zip
    k. Email
    l. Phone
3. Volunteer
    a. First_Name
    b. Last_Name
    c. Phone
    d. Email
    e. Address
    f. Availability
    g. Locations
    h. Areas of Expertise
4. Donate
    a. Dollar Amount
    b. Use this donation for
    c. Recurrence
    d. Payment Type
5. Events
    a. Location
    b. Time
    c. Animals
    d. Fees

<u>TABLES</u>

1. Pets: This table will store all of the data related to pets. It allows users to see/search for pets. It is linked to the applicant and any events the adoption agency might hold.
   a. Pet_id SERIAL **PRIMARY KEY**,
   b. Name **VARCHAR(50),**
   c. Image **VARCHAR(2,083),**
   d. Age INTEGER **NOT NULL,**
   e. Breed **VARCHAR(50),**
   f. Species **VARCHAR(50),**
   g. Gender **VARCHAR(50),**
   h. Adoption_Status **BOOLEAN,**
   i. Size **VARCHAR(50),**
   j. Weight INTEGER **NOT NULL,**
   k. Description **VARCHAR(400)**
2. Users: This table holds information for all site users: applicants and volunteers.
   a. person_id SERIAL **PRIMARY KEY**,
   b. First_Name **VARCHAR(50),**
   c. Last_Name **VARCHAR(50),**
   d. Email **VARCHAR(200),**
   e. Phone_Num INTEGER **NOT NULL,**
   f. Address **VARCHAR(200),**
   g. City **VARCHAR(50),**
   h. State **VARCHAR(2),**
   i. Zip INTEGER **NOT NULL**
3. Applicant: This table holds specifics about the applicant. It is linked to the users table.
   a. person_id INTEGER **NOT NULL REFERENCES** users(person_id),
   b. Pet_id INTEGER **NOT NULL REFERENCES** pets(pet_id),
   c. Cost_of_Care_Disclaimer BOOLEAN,
   d. Rent_or_Own BOOLEAN,
   e. children_in_the_home BOOLEAN,
4. Renter: This table only pertains to applicants who do not own a home.
   a. person_id INTEGER **NOT NULL REFERENCES** users(person_id),
   b. Name_of_landlord **VARCHAR(50),**
   c. Landlord_Phone_Num INTEGER **NOT NULL**
5. Children: This table only pertains to applicants who have children.
   a. person_id INTEGER **NOT NULL REFERENCES** users(person_id),
   b. Number_of_Children INTEGER **NOT NULL,**
   c. Age INTEGER **NOT NULL,**
6. Volunteer: This table pertains to the users who volunteer at the adoption agency.
   a. person_id INTEGER **NOT NULL REFERENCES** users(person_id),
   b. availability **VARCHAR(400),**
   c. Locations **VARCHAR(200),**
   d. Areas of Expertise **VARCHAR(200),**

7. Events: This table is used for event purposes.
   a. event_id SERIAL **PRIMARY KEY**,
   b. location **VARCHAR(200)**,
   c. Time **VARCHAR(50)**,
   d. Pet_id INTEGER **NOT NULL REFERENCES** pets(pet_id),
   e. Fees **VARCHAR(50)**,
   f. Volunteers INTEGER **NOT NULL REFERENCES** users(person_id),
8. Donation: This table is used for donation purposes.
   a. donation_id SERIAL **PRIMARY KEY**,
   b. dollar_amount INTEGER **NOT NULL,**
   c. recurrence_status BOOLEAN,
   d. payment_type BOOLEAN,
9. Recurrence: This table is used by people who would like to donate more than once.
   a. donation_id INTEGER **NOT NULL REFERENCES** donation(donation_id),
   b. monthly BOOLEAN,
   c. yearly BOOLEAN,
10. Payment_type: This table specifies the payment type.
   a. donation_id INTEGER **NOT NULL REFERENCES** donation(donation_id),
   b. Paypal BOOLEAN,
   c. CC BOOLEAN,
11. Paypal: If the donation is to be made by Paypal, this table will be referenced.
   a. donation_id INTEGER **NOT NULL REFERENCES** donation(donation_id),
   b. Email
12. CC: If the donation is to be made by cc, this table will be referenced.
   a. donation_id INTEGER **NOT NULL REFERENCES** donation(donation_id),
   b. cc_num INTEGER **NOT NULL,**
   c. expriation_date INTEGER **NOT NULL,**
   d. sc INTEGER **NOT NULL,**
   e. billing_zip INTEGER **NOT NULL,**

RELATIONSHIPS

One-to-One	One-to-Many	Many-to-Many
donation ➜ status payment ➜ type	pet_id ➜ applicants pet_id ➜ events person_id ➜ children	person_id ← ➜ applicant person_id ← ➜ volunteer person_id ← ➜ renter person_id ← ➜ children person_id ← ➜ events

pet

🔑 pet_id	integer	
pet_name	varchar(50)	
pet_image	varchar(2083)	
pet_age	integer	
species	varchar(50)	
breed	varchar(50)	
gender	boolean	
adoption_status	boolean	
pet_size	varchar(50)	
pet_weight	integer	
pet_description	varchar(400)	

Add field

users

🔑 person_id	integer	
first_name	varchar(50)	
last_name	varchar(50)	
email	varchar(200)	
phone	integer	
person_address	varchar(200)	
person_city	varchar(50)	
person_state	varchar(2)	

Add field

applicant

🔑 applicant_id	integer	
person_id	integer	
pet_id	integer	
cost_of_care_disclaimer	boolean	
rent_or_own	boolean	
children_in_home	boolean	

Add field

volunteer

🔑 volunteer_id	integer	
person_id	integer	
availability	varchar(400)	
volunteer_locations	varchar(400)	
areas_expertise	varchar(200)	

Add field

renter

🔑 renter_id	integer	
applicant_id	integer	
name_landlord	varchar(50)	
phone_landlord	integer	

Add field

children

🔑 children_id	integer	
applicant_id	integer	
num_children	integer	
age_children	integer	

Add field

events

🔑 events_id	integer	
event_location	varchar(200)	
event_time	integer	
pet_id	integer	
fees	integer	
volunteer_id	integer	

Add field

donation

🔑 donation_id	integer	
dollar_amount	integer	
recurrence_status	boolean	
payment_type	boolean	

Add field

recurrence

🔑 recurrence_id	integer	
donation_id	boolean	
monthly	boolean	
yearly	boolean	

Add field

payment_type

🔑 payment_id	integer	
donation_type	boolean	
paypal	boolean	
cc	boolean	

Add field

paypal

🔑 paypal_trans_id	integer	
paypal_status	boolean	

Add field

cc

🔑 cc_trans_id	integer	
cc_status	boolean	
cc_num	integer	
cc_exp	integer	
cc_sc	integer	
cc_billing_zip	integer	