

Animal Adoption Agency Data Model

Features

- Imagine you are opening a pet adoption agency where you will rescue and care for animals and try to find them owners who are a good match for them.

Brainstorming/data needed:

- Pet name
- Pet type
- Pet breed
- Pet species
- Pet age
- Pet size
- Pet gender
- Pet color
- Pet coat length
- Is shelter
- Is rescue
- Is spayed/neutered
- Has updated vaccinations
- Pet bio
- Is good with kids
- Is good with other pets
- Date admitted
- Date adopted
- Location of pet
- Person first name
- Person last name
- Person age
- Person address
- Person living situation
- Has kids
- Has other pets
- List other pets
- Employee who helped with adoption
- Employee first name
- Employee last name
- Employee start date
- Employee birth date
- Employee department

Animal Adoption Agency Data Model

Tables:

pet_name table :

- Pet name

Pet_name_assoc:

- Link to pet and pet_name

pet_infobio table:

- Pet bio
- Is shelter
- Is rescue
- Date admitted
- Date adopted
- location
- Is spayed/neutered
- Is up to date on vaccines
- Is good with kids
- Is good with other pets

Pet_breed_assoc:

- Link pet_info and pet_breed

pet_breed:

- Type
- Breed
- Age
- Size gender
- Color
- Coat length

person:

- First name
- Last name
- Birth date
- Address
- Living situation
- Has kids
- Has other pets
- List other pets

Person_pet_name_association:

- Link person to the pet they adopted with pet association table

Person_employee_association:

- Link person with employee

employee:

- First name
- Last name
- Birth date
- Start date
- department

Employee_pet_name

- Link employee who input pet data with pet association table

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Relationships:

One to One:

- none

One to Many:

- Pet_name to pet
- Pet to pet_breed
- Person to pet_name
- Person to employee

Many to Many:

- Employee to pet_name

Data Modeling:

LINK to DBDiagram: <https://dbdiagram.io/d/615f2912940c4c4eec8a96d9>

```
CREATE TABLE pet_name(  
  pet_id SERIAL PRIMARY KEY,  
  name VARCHAR(50)  
);
```

```
CREATE TABLE pet_info(  
  pet_info_id SERIAL PRIMARY KEY,  
  pet_id INT NOT NULL REFERENCES pet_name(pet_id),  
  bio TEXT,  
  is_shelter BOOLEAN,  
  is_rescue BOOLEAN,  
  date_admitted TIMESTAMP,  
  date_adopted TIMESTAMP,  
  location VARCHAR(100),  
  is_spayed_or_neutered BOOLEAN,  
  is_up_to_date_with_vaccines BOOLEAN,  
  is_good_with_kids BOOLEAN,  
  is_good_with_other_pets BOOLEAN  
);
```

```
CREATE TABLE pet_breed(  
  pet_breed_id SERIAL PRIMARY KEY,  
  pet_info_id INT NOT NULL REFERENCES pet_info(pet_info_id),  
  type VARCHAR(50),  
  breed VARCHAR(50),  
  age INTEGER,  
  size VARCHAR(50),  
  gender VARCHAR(50),  
  color VARCHAR(50),  
  coat_length VARCHAR(50)
```

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);

```
CREATE TABLE pet_association (  
  pet_association_id SERIAL PRIMARY KEY,  
  pet_id INT NOT NULL REFERENCES pet_name(pet_id),  
  pet_breed_id INT NOT NULL REFERENCES pet_breed(pet_breed_id),  
  pet_info_id INT NOT NULL REFERENCES pet_info(pet_info_id)  
);
```

```
CREATE TABLE person (  
  person_id SERIAL PRIMARY KEY,  
  first_name VARCHAR(50),  
  last_name VARCHAR(50),  
  birth_date TIMESTAMP,  
  address VARCHAR(50),  
  living_situation TEXT,  
  has_kids BOOLEAN,  
  has_other_pets BOOLEAN,  
  list_other_pets VARCHAR(50)  
);
```

```
CREATE TABLE employee (  
  employee_id SERIAL PRIMARY KEY,  
  first_name VARCHAR(50),  
  last_name VARCHAR(50),  
  birth_date TIMESTAMP,  
  start_date TIMESTAMP,  
  department VARCHAR (50)  
);
```

```
CREATE TABLE person_adoption (  
  person_adoption_id SERIAL PRIMARY KEY,  
  pet_association_id INT NOT NULL REFERENCES pet_association(pet_association_id),  
  employee_id INT NOT NULL REFERENCES employee(employee_id),  
  person_id INT NOT NULL REFERENCES person(person_id)  
);
```

```
CREATE TABLE employee_pet_association (  
  employee_pet_association_id SERIAL PRIMARY KEY,  
  pet_association_id INT NOT NULL REFERENCES pet_association(pet_association_id),  
  employee_id INT NOT NULL REFERENCES employee(employee_id)  
);
```