PET ADOPTION WEB APPLICATION

DESCRIPTION

We are trying to build a web application like tinder that would help pets find a lovable home. This web application helps people find pets that they would like to adopt. Shelter homes/other people can list any rescued animals or pets for adoption. The main aim of this project is to ease the process of pet adoption. Any person looking to adopt a pet can swipe right on the same and the request would then be approved / rejected by any shelter home or person who put up the pet for adoption.

USERS

1. People looking to adopt a pet

They can swipe right on the pets they are interested in adopting. This request will then be approved/declined by the person who listed the pet for adoption.

2. People / Shelter homes who want to list a pet for adoption
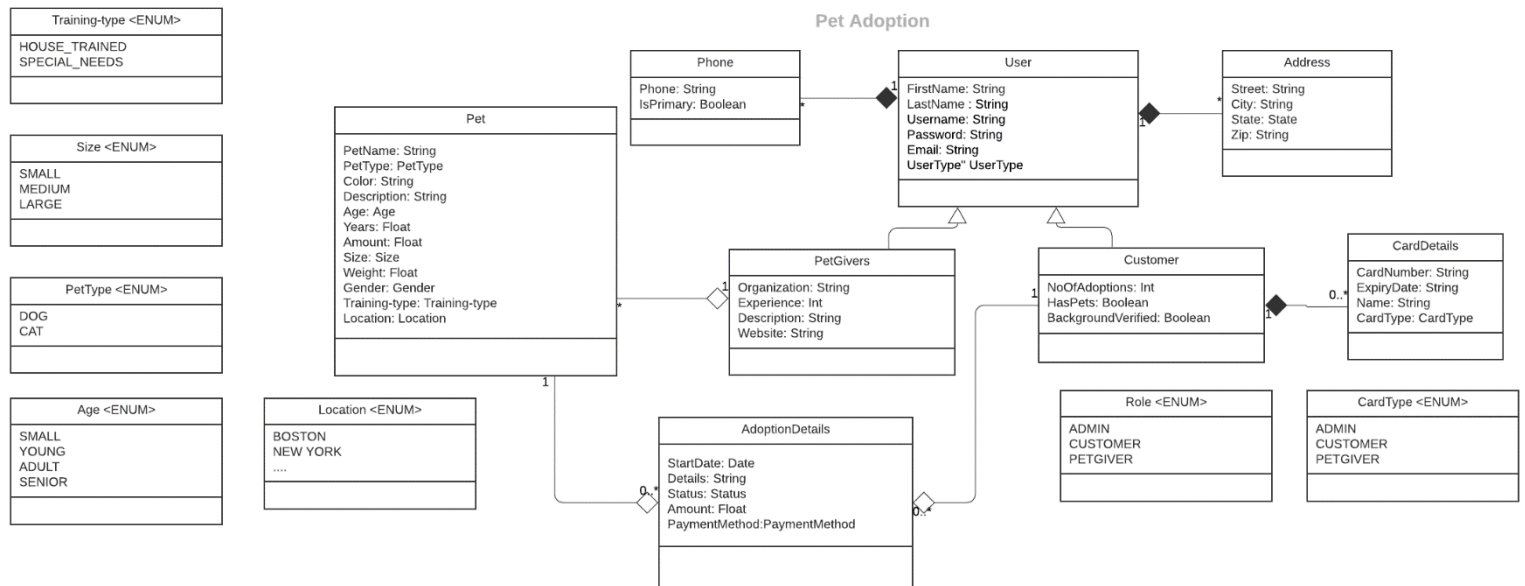
They can list any pet that needs a loving home for adoption. They can then approve/decline any requests by people who would like to adopt the pet.

We are trying to make the pet adoption process simple and easy by trying to connect two parties of interest directly which would eliminate any interference of a middleman or agency.

We plan to use the Petfinder API listed below to achieve this objective.

https://www.petfinder.com/developers/api-docs

UML DIAGRAM:

Pet Adoption

Training-type <ENUM>
HOUSE_TRAINED
SPECIAL_NEEDS

Size <ENUM>
SMALL
MEDIUM
LARGE

PetType <ENUM>
DOG
CAT

Age <ENUM>
SMALL
YOUNG
ADULT
SENIOR

Location <ENUM>
BOSTON
NEW YORK
....

Phone
Phone: String
IsPrimary: Boolean

User
FirstName: String
LastName : String
Username: String
Password: String
Email: String
UserType" UserType

Address
Street: String
City: String
State: State
Zip: String

Pet
PetName: String
PetType: PetType
Color: String
Description: String
Age: Age
Years: Float
Amount: Float
Size: Size
Weight: Float
Gender: Gender
Training-type: Training-type
Location: Location

PetGivers
Organization: String
Experience: Int
Description: String
Website: String

Customer
NoOfAdoptions: Int
HasPets: Boolean
BackgroundVerified: Boolean

CardDetails
CardNumber: String
ExpiryDate: String
Name: String
CardType: CardType

AdoptionDetails
StartDate: Date
Details: String
Status: Status
Amount: Float
PaymentMethod:PaymentMethod

Role <ENUM>
ADMIN
CUSTOMER
PETGIVER

CardType <ENUM>
ADMIN
CUSTOMER
PETGIVER

RESTFUL SERVICES:

Users:

1. To fetch users: GET – "/api/users"
2. To create a user : POST – "/api/users"
3. To update a user: PUT – "/api/user/{userId}"
4. To delete a user: DELETE – "/api/user/{userId}"

Pet:

1. To fetch all pets: GET - "/api/pets"
2. To fetch pets based on pet giver: GET –"/api/pets/{petGiverId}"
3. To fetch pets based on location: GET – "/api/pets/{location}"
4. To create a pet: POST – "/api/pets"
5. To update a pet: PUT – "/api/pet/{petId}"
6. To delete a pet: DELETE – "/api/pet/{petId}"

Adoption Details:

1.To fetch a single adoption using ID: GET - "/api/adoption/{adoptionId}"
2. To fetch all adoptions for a customer: GET – "/api/adoption/{customerId}"
3. To fetch all adoptions for a pet giver: GET – "/api/adoption/{petGiverId}"
4. To add an adoption: POST – "/api/adoption/"
5. To update an adoption: PUT – "/api/adoption/{adoptionId}"
6. To delete an adoption: DELETE – "/api/adoption/{adoptionId}"