

Pet Finder – Database Proposal

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Users Collection:

The users collection will contain information about users who will create the account. Each document will have first name, middle name, last name, email, phone number, password, address, city, state, and zip of the user. It will have ids of pets that will have been added in favorite-list by the user and the path of the picture of the user on the server that has been uploaded by the user. It will also contain the time when the user will create the account and update their information.

Schema: -

users

Field	Data Type	Description
_id	ObjectID	Globally unique identifier to represent the user
firstName	String	First name of the user
middleName	String	Middle name of the user
lastName	String	Last name of the user
email	String	Email of the user, also used for login/sign-up
phoneNumber	String	Phone number of the user
password	String	Hashed password necessary for user login
address	String	Street address where the user currently lives
city	String	City where the user is located
state	String	State where the user is located

zip	Number	The ZIP number where the user is located
picture	String	File location that points to the profile picture of the user on server
favoriteList	Array	An array of ObjectID's that identify all pets the user expresses interest in
createdAt	TimeStamp	The precise date and time when the user's profile was created
updatedAt	TimeStamp	The precise date and time when the user's profile was last updated

Example: -

```
{
  "_id": "5d0f9c8f-f8f8-4f0f-b8f8-f8f8f8f8f8",
  "firstName": "John",
  "middleName": "Sen",
  "lastName": "Doe",
  "email": "doej@realmail.com",
  "phoneNumber": "123-456-7890",
  "password": "8743b52063cd84097a65d1633f5c74f5",
  "address": "123 Main St",
  "city": "Manhattan",
  "state": "NY",
  "zip": 10001,
  "picture": "/static/img/john.jpg",
  "favoriteList": ["95c5be0f-bd6d-4e0b-a76f-9beac1e745a1", "95c5be0f-bd6d-4e0b-a76f-9beac1e745a2"],
  "createdAt": "2020-05-01T00:00:00.000Z",
  "updatedAt": "2020-05-01T00:00:00.000Z"
}
```

Pets Collection:

The pets collection will contain all information about pets that will have been posted by users on website. Each document will contain a name, type, breed, age, size, gender, color, length, and description of the dog. It will also have id of owner of the pet, id of user who will adopt it, path of

picture of pet, time when post has been created and when it has been updated. It will also capture the location (address, city, state, zip) of the pet.

Schema: -

pets

Field	Data Type	Description
_id	ObjectId	Globally unique id to identify the pet
name	String	Name of the pet
type	String	Type of the pet like cat, dog, horse, rabbit
breed	String	Breed of the pet
age	Number	Age of the pet in year
size	String	Small (0-25 lbs), medium (26-60 lbs), large (61-100lbs), extra large (more than 100 lbs)
gender	String	Gender of the pet
color	String	Color of the pet
length	String	Size of pet like Short, medium, long
address	String	Address where the pet is located currently
zip	Number	Zip where the pet is located
city	String	City where the pet is located
state	String	State where the pet is located
description	String	Description about the pet
ownerId	ObjectId	Id of the user who will post on website
picture	String	Location of picture of pet on the server
adoptedBy	String	Id of the user who will adopt the pet
createdAt	Timestamp	Time when pet will be posted on website
updatedAt	Timestamp	Time when the information of pet will be updated

Example: -

```
{
  "_id": "62474b4c2eb42cd54f0eb565"
  "name": "Stella",
  "type": {
    "_id": "62474b4c2eb42cd54f0eb561",
    "type": "Dog"
  },
  "breed": "retriever",
  "age": "5",
  "size": "Medium",
  "gender": "F",
  "color": "golden",
  "length": "Short",
  "address": "Washington Street",
  "zip": 07030
  "city": "Hoboken",
  "state": "New Jersey",
  "description": "Loves to play in the mud",
  "ownerId": "33374c5a6fg89jk03h9el567",
  "picture": "/static/img/pet/cat.jpg",
  "adoptedBy": "62474b4c2eb42cd54f0eb532",
  "createdAt": "2021-07-01T00:00:00.000Z",
  "updatedAt": "2021-09-01T00:00:00.000Z"
}
```

Pet Types Collection:

Pet Types collection will contain information of names of types of pets.

Schema: -

PetTypes

Field	Data Type	Description
_id	ObjectId	Globally unique id to identify the type of pet
type	String	Name of type of pet ex: - Cat, Dog, Rat etc.

Example: -

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  "type": "Cat"
}
```

Pets Questions Answers:

Pet Questions Answers collection will contain questions that will be asked by the user and answers that have been given by the owner. It will also contain the id of the pet about which questions have been asked to the owner of the pet and time when the questions have been asked by the user and when the answer has been given by the owner. It will have id of the user and id of the owner of the pet.

Schema: -

petsQuestionsAnswers

Field	Data Type	Description
_id	ObjectId	Globally unique id to identify question and its answer
question	String	Question that will be asked by user to owner of pet
answer	String	Answer to the question

petId	ObjectId	Id of pet about which question will be asked
askedBy	ObjectId	Id of user who will ask question about pet
ownerId	ObjectId	Id of owner of pet
createdAt	Timestamp	Time when question will be asked
updatedAt	Timestamp	Time when answer will be given by owner

Example: -

```
{
  "_id": "9573b4d0-1666-4bff-ac03-6f0b7b5b99ca",
  "question": "does max love being a good boy",
  "answer": "along with treats and being petted, yes",
  "petId": "d5812297-03b5-4fec-b9c4-50873bc1c1ad",
  "askedBy": "33c92cd2-74ac-41ca-8b3d-e718526180f0",
  "ownerId": "acb537c0-58a8-4b38-ab8d-d1aaebe31f48",
  "createdAt": "2022-04-01T00:00:00.000Z",
  "updatedAt": "2022-05-01T00:00:00.000Z"
}
```