Stray Animal Infomation Application

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Animals

The animal collection contains basic information about the animals found by the user, including species, location, health condition, photo.

```
{
      animal_id: ObjectId("507f1f77bcf86cd799439011"),
      animal_name: "Jojo",
      species: "labrador" ,
      description: "It's a small labrador dog in a box." ,
      health_condition: [Good, Fair, Emergency],
          find_time: ["09/12/2022", "13:49"],
      animal_photo: "photo.com/animal21459.jpg",
      location_id: ObjectId("53rfd77bcdfcdfd66g2z5432m"),
      user_id: ObjectId("23rfd77bcfdfd66g2357543tkg"),
      comment_ids: [ObjectId("d37f1f77bcf86cd6657543567"),
ObjectId("2354dhf77bcf86cd799439032")]
}
```

Name	Type	Description
animal_id	Object id	A globally unique identifier to represent the animal
animal_name	string	The name of animal
species	string	The species of animal
description	string	Descript the condition of the animal.
health_condition	string	Only "Good", "Fair", "Emergency" is valid
find_time	array of string	Time when the animal was finded
animal_photo	string	The animal's photo
location_id	Object id	The animal's location id

user_id	Object id	The id of the user who posted the animal
comment_ids	array of Object id	The ids of the comments in the animal page

Users

The user collection stores information about the user, such as the user's name, login account, and password. It also stores the ids of the animals posted by the user, the ids of the comments, and the ids of the animals followed by the user, which can be viewed in the user center.

```
{
     "user_id": ObjectId("507f1f77bcf86cd799439011"),
     "first_name": "Casey",
     "last_name": "Wang",
     "user_account": "caseywang@gmail.com",
     "user_password": "e10adc3949ba59abbe56e057f20f883e",
     "animal_id": ["507f1f77bcf86cd799439022",
"507f1f77bcf86cd799439023", "507f1f77bcf86cd799439024", …],
     "volunteer_id": ["507f1f77bcf86cd799439031",
"507f1f77bcf86cd799439032", "507f1f77bcf86cd799439033"],
     "follow_animal_id":
["507f1f77bcf86cd799439044","507f1f77bcf86cd799439045","507f1f77bc
f86cd799439046"],
     "comment_id": ["507f1f77bcf86cd799439122",
"507f1f77bcf86cd799439123", "507f1f77bcf86cd799439124"]
}
```

Name	Type	Description
user_id	Object id	A globally unique identifier to represent the user
first_name	string	User's first name
last_name	string	User's last name
user_account	string	Login account, should be valid email address
user_password	string	Hash value of user password
animal_ids	array of object id	The ids of the stray animals

		that the user posted
volunteer_ids	array of object id	The ids of the volunteer info pages that the user posted
follow_animal_ids	array of object id	The ids of the animals that the user followed
comment_ids	array of object id	The id of the comments that the user posted

Locations

The location collection will store location about stray animals, animals name, the total number of stray animal in this city.

```
{
    location_id: ObjectId("6369157232d1343ad88792b4"),
    address:  "Hoboken, NJ",
    animals: [{animal_id: "507f1f77bcf86cd799439022",
          animal_name: "Jojo" },
        {animal_id: "507f1f77bcf86cd799439023",
          animal_name: "Tom"}],
    total_animal_num: 2
}
```

Name	Type	Description
location_id	Object id	A globally unique identifier to represent the location
address	string	The location of stray animal
animals	array of Object id and string	An array of the object that contains the Object id and the name of the animals in this city
total_animal _num	number	The total number of stray animals in this city now

Volunteers

The volunteer collection stores information about volunteers, such as contact information, volunteer description, volunteer type, etc. Volunteer types are either individual or organizations.

```
{
     volunteer_id: ObjectId("6362fd9d5ce3a1b8acf5e2e7"),
     volunteer_contact: "abc123@gmail.com",
     volunteer_location: "6th St",
     volunteer_type: "organazation",
     volunteer_decription: "An organazation that orders free
treatment for stray animals.",
     user_id: Objectid("6362fd9d5ce3a1b8acf5e2e9")
}
```

Name	Type	Description
volunteer_id	Object id	A globally unique identifier to represent the volunteer information page
volunteer_contact	string	The contact information of the volunteer or the organization
volunteer_location	string	The location of volunteer or the organization
volunteer_type	string	Only "individual" or "organazation" is valid
volunteer_decription	string	Some additional description for the volunteer(for ex. it's an organazation that order free treatment for stray animals)
user_id	Object id	The id of the user who posted the volunteer information page

Comments

The comment collection contains all comments that posted by users in the animal page.
```
{
     "comment_id": ObjectId("7e7997a2-c0d2-4f8c-b27a-6a1d4b5b6310") ,
     "text": "So cute!",
     "user_id": ObjectId("7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6311") ,
     "animal_id": ObjectId("0c7997a2-c3d2-4f8c-b27a-6a1d4b5s6310")
}
```

Name	Type	Description

comment_id	Object id	A globally unique identifier to represent the comment
text	string	The text content of the comment
user_id	Object id	The id of the user who posted the comment
animal_id	Object id	The id of the animal page that the comment is replying to