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Introduction

For the development of this project, I used Express Js - Sequelize - PostgreSQL - REST - JWT. It was done through 4 main steps that I will describe backwards; programmatically, things were done starting with the models, but for the sake of this report I would rather start with the Routers to follow the service-driven sequence diagram's logic.

Routers

Routers are the first contact the user gets with the backend, they are the ones that treat the HTTP requests and find the right controller to deal with those requests.

We specify the type of request with the REST verbs (get/ post/ put/ delete) along with the API path ("/getUsers") for example, then forward the request to the appropriate controller that will handle everything about it.

Controllers

The number of controllers matches the number of services for the controllers are what call the services on the behalf of the client.

The controllers contain a collection of functions that simply forward the requests to the right service, and send responses back. They take the request parameters and pass them to the service that might need them for the operations to be executed. Again, the controller knows nothing of the business logic is it calling and contains no logic itself.

The response the controller sends is in a JSON format and can be configured easily.

Services

There are 4 services as specified in the code and following from the function requirements of the project.

The user service is where all the functions related to users are implemented and then exported to be used elsewhere. In that service there are functions for creating and retrieving users with their association, searching for users using certain attributes, updating users' relevant information (there are more functions in the service but I chose not expose them to the client because they didn't add much to the project as it is)

I used JWT for user authentication in the Login() function. I create a token for a user when the authentication is successful then use that token when the user wants to call other services. In the project, token verification is only called once when trying to create new admins - **not because it is only needed there!** - it was just to make testing easier all the while demonstrating that the feature works as expected.

The pet/rating/request services also have their own specific functions and are exported to be used in their respective controllers.

Models

I created sequelize models that represented the different entities in my project, then defined them with the necessary attributes, which were later converted into tables with records and fields.

The attributes are given a type using sequelize's **DataTypes** library.

The associations are made by a sequelize method called **associate()** which takes the instance of the class that extends the Sequelize Model, and links it to another through “hasOne()” or “hasMany()” ,etc, associations.

In the options of the associate() method, we can specify the name of the foreign key and any other configuration relevant to the two related models.

User Service Testing

To make the work easier, I tested all my services using **Postman** and all are working as expected to. Find below screenshots from my client requests and different scenarios that were interesting/relevant to handle.

Signing up as a pet Owner

When signing up as a pet owner/sitter: the service creates a user account first of all, then creates the pet sitter/owner record by association, as well as a rating record for the pet sitters only.

http://http://http://http://http://http://http://http://

POST

http://localhost:3000/api/signUpOwner

Authorization

Headers (1)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

Key	Value
<input checked="" type="checkbox"/> username	owner1
<input checked="" type="checkbox"/> password	imtheowner
<input checked="" type="checkbox"/> email	owner1@gmail.com
<input checked="" type="checkbox"/> firstname	Mary
<input checked="" type="checkbox"/> lastname	Jane
<input checked="" type="checkbox"/> phone	0987654321
<input checked="" type="checkbox"/> city	Here
<input checked="" type="checkbox"/> country	There
<input checked="" type="checkbox"/> numberofpets	3
<input type="text"/> New key	<input type="text"/> Value

Body

Cookies

Headers (6)

Test Results

Pretty

Raw

Preview

JSON

1

2

3

4

{

"status": 200,

"message": "Created Pet Owner Successfully "

}

Signing up as a pet Owner

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/api/signUpSitter`. The request body is `x-www-form-urlencoded` and contains the following data:

Key	Value
username	sitter1
password	lmthesitter
email	sitter1@gmail.com
firstname	John
lastname	Cena
phone	0123456789
city	This
country	That
description	description
category	dog

The response is shown in the 'Body' tab, formatted as JSON:

```
{
  "status": 200,
  "message": "Created Pet Sitter Successfully "
}
```

Trying to Sign up with a username that already exists in the database:

POST http://localhost:3000/api/signUpSitter

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
username	sitter1
password	lmthesitter
email	sitter1@gmail.com
firstname	John
lastname	Cena
phone	0123456789
city	This
country	That
description	description
category	dog

Body Cookies Headers (6) Test Results

Pretty Raw Preview HTML

```

1 Username already exist... Please enter a new one
  
```

Database User Table

id [PK] integer	username character varying (255)	password character varying (255)	email character varying (255)	firstname character varying (255)	lastname character varying (255)	phone character varying (255)
1	owner1	imtheowner	owner1@gmail.com	Mary	Jane	0987654321
2	sitter1	lmthesitter	sitter1@gmail.com	John	Cena	0123456789
3	anotherSitter	lmthesitter	anotherSitter@gmail.com	John	Cena	0123456789
4	THEowner	itsme	LeOwner@gmail.com	Mary	Jane	0987654321

→ cont.

city character varying (255)	country character varying (255)	role "enum_Users_role"	flag boolean	createdAt timestamp with time zone	updatedAt timestamp with time zone
Here	There	petowner	false	2021-01-02 14:31:39.488+00	2021-01-02 14:31:39.488+00
This	That	petsitter	false	2021-01-02 14:31:48.709+00	2021-01-02 14:31:48.709+00
Here	That	petsitter	false	2021-01-02 14:43:41.326+00	2021-01-02 14:43:41.326+00
Here	There	petowner	false	2021-01-02 14:44:28.502+00	2021-01-02 14:44:28.502+00

Database PetSitter Table

id [PK] integer	description character varying (255)	categs "enum_PetSitters_categs"[]	createdAt timestamp with time zone	updatedAt timestamp with time zone	user_id integer
1	description	{dog}	2021-01-02 14:31:48.714+00	2021-01-02 14:31:48.714+00	2
2	description	{cat}	2021-01-02 14:43:41.335+00	2021-01-02 14:43:41.335+00	3

Database PetOwner Table

id [PK] integer	ownedPets integer	createdAt timestamp with time zone	updatedAt timestamp with time zone	user_id integer
1	3	2021-01-02 14:31:39.507+00	2021-01-02 14:31:39.507+00	1
2	4	2021-01-02 14:44:28.507+00	2021-01-02 14:44:28.507+00	4

User login

We can see the creation of a token when the authentication was successful.

POST http://localhost:3000/api/login

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
username	sitter1
password	lmthesitter
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9
    .eyJ1c2VyIjpw7ImlkIjoyLCJ1c2VybmFtZSI6InNpdHRlcjEiLCJwYXNzd29yZCI6IkltdGh
    lsLmNvbSIsImZpcnN0bmFtZSI6IkpvaG4iLCJsYXN0bmFtZSI6IklbmEiLCJwaG9uZSI6I
    W50cnkiOiJUaGF0Iiwicm9sZSI6InBldHNpdHRlcisiImZsYWciOmZhbHNlLCJjcmVhdGVk
    LCJ1cGRhdGVkQXQiOiIyMDIxLTAxLTAyVDE0OjMxOjQ4LjcwOVoiOiJwYXN0bmFtZSI6I
    .8hrEFZU0glJyZz0Yx7uckwhioAQcrnsmxR1IQsbPrmE",
4   "message": "Service Executed Successfully"
5 }

```

Login with wrong username/password

POST http://localhost:3000/api/login

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
<input checked="" type="checkbox"/> username	sitter1
<input checked="" type="checkbox"/> password	sitter
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview HTML

```
i 1 Incorrect username or password
```

Creating Admin account

Here the service is authenticating the old admin + creating the new admin

POST http://localhost:3000/api/crAuth

Authorization Headers (2) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
<input checked="" type="checkbox"/> newAuthUsername	NewAdmin
<input checked="" type="checkbox"/> newAuthPassword	imthenewadmin
<input checked="" type="checkbox"/> authUsername	Auth1
<input checked="" type="checkbox"/> authPassword	AUTH1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```
1 {
2   "status": 200,
3   "message": "Service Executed Successfully"
4 }
```


Wrong admin password

POST http://localhost:3000/api/crAuth

Authorization Headers (2) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
newAuthUsername	NewAdmin
newAuthPassword	imthenewadmin
authUsername	Auth1
authPassword	XXXX
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview HTML

i 1 Authority authentication Failed...

Creating an admin that already exists in the database

POST http://localhost:3000/api/crAuth

Authorization Headers (2) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
newAuthUsername	NewAdmin
newAuthPassword	anotherpassword
authUsername	Auth1
authPassword	AUTH1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview HTML

i 1 This admin account exists!

Database Authority Table

id [PK] integer	authUsername character varying (255)	authPassword character varying (255)	isAuth boolean	createdAt timestamp with time zone	updatedAt timestamp with time zone
1	Auth1	AUTH1	true	2021-01-02 12:46:19.74+00	2021-01-02 12:46:19.74+00
2	Auth2	AUTH2	true	2021-01-02 12:51:28.514+00	2021-01-02 12:51:28.514+00

Retrieving all the Users (both pet owner/sitter)

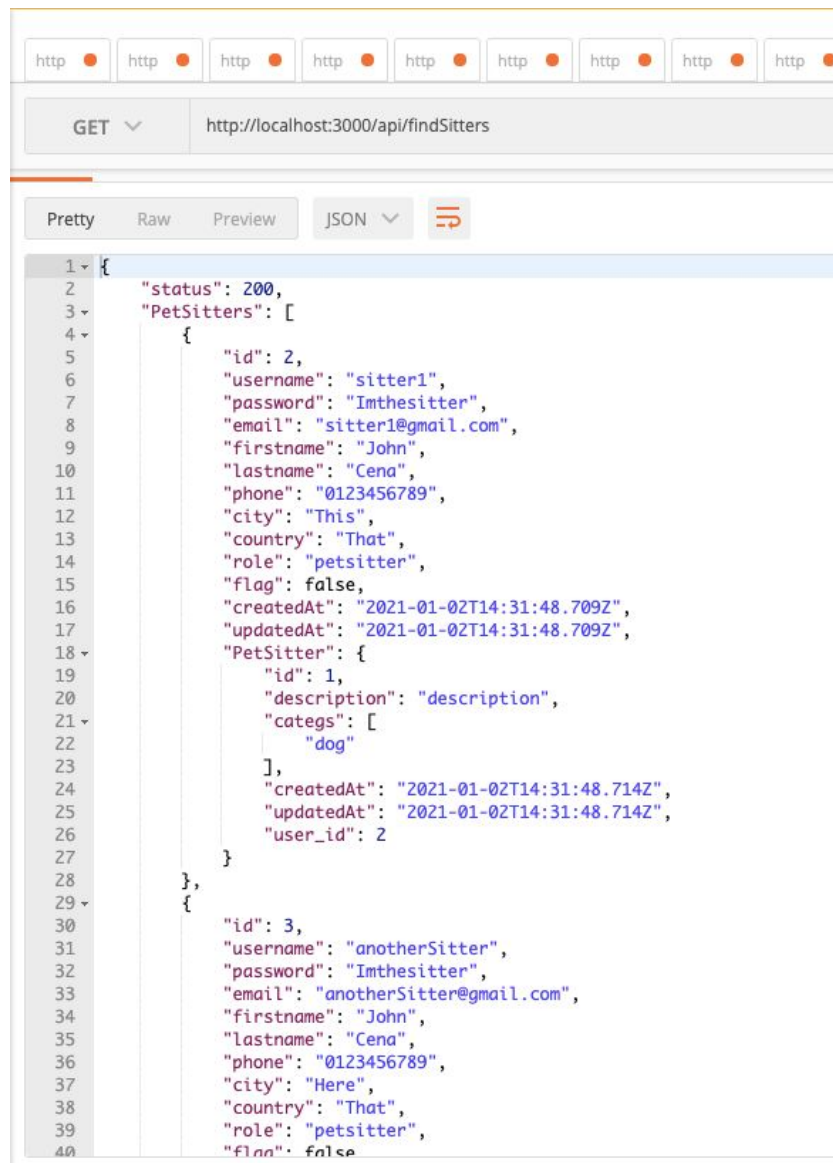
The user accounts are retrieved and their linked pet owner/sitter records are included as well.

```

1 {
2   "status": 200,
3   "users": [
4     {
5       "id": 1,
6       "username": "owner1",
7       "password": "imtheowner",
8       "email": "owner1@gmail.com",
9       "firstname": "Mary",
10      "lastname": "Jane",
11      "phone": "0987654321",
12      "city": "Here",
13      "country": "There",
14      "role": "petowner",
15      "flag": false,
16      "createdAt": "2021-01-02T14:31:39.488Z",
17      "updatedAt": "2021-01-02T14:31:39.488Z",
18      "PetSitter": null,
19      "PetOwner": {
20        "id": 1,
21        "ownedPets": 3,
22        "createdAt": "2021-01-02T14:31:39.507Z",
23        "updatedAt": "2021-01-02T14:31:39.507Z",
24        "user_id": 1
25      }
26    },
27    {
28      "id": 4,
29      "username": "THEowner",
30      "password": "itsme",
31      "email": "LeOwner@gmail.com",
32      "firstname": "Mary",
33      "lastname": "Jane",
34      "phone": "0987654321",
35      "city": "Here",
36      "country": "There",
37      "role": "petowner",
38      "flag": false,
39      "createdAt": "2021-01-02T14:44:28.502Z",
40      "updatedAt": "2021-01-02T14:44:28.502Z"

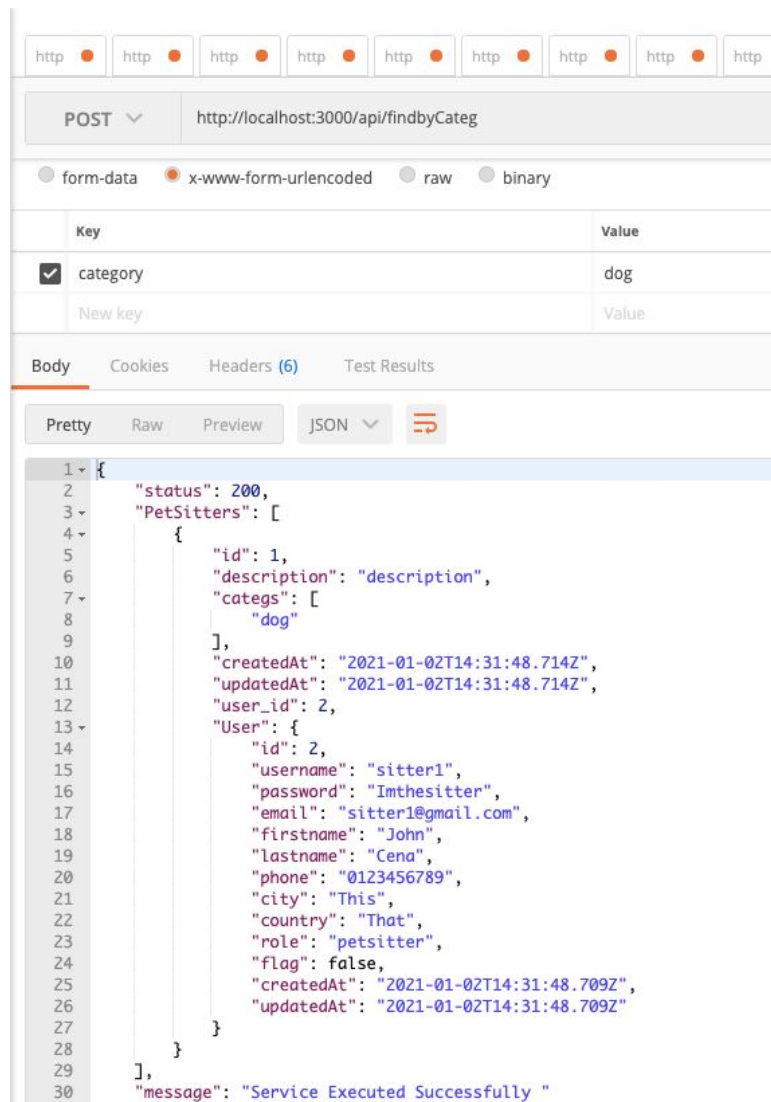
```

Retrieving only Pet sitters



```
1 {
2   "status": 200,
3   "PetSitters": [
4     {
5       "id": 2,
6       "username": "sitter1",
7       "password": "Imthesitter",
8       "email": "sitter1@gmail.com",
9       "firstname": "John",
10      "lastname": "Cena",
11      "phone": "0123456789",
12      "city": "This",
13      "country": "That",
14      "role": "petsitter",
15      "flag": false,
16      "createdAt": "2021-01-02T14:31:48.709Z",
17      "updatedAt": "2021-01-02T14:31:48.709Z",
18      "PetSitter": {
19        "id": 1,
20        "description": "description",
21        "categs": [
22          "dog"
23        ],
24        "createdAt": "2021-01-02T14:31:48.714Z",
25        "updatedAt": "2021-01-02T14:31:48.714Z",
26        "user_id": 2
27      }
28    },
29    {
30      "id": 3,
31      "username": "anotherSitter",
32      "password": "Imthesitter",
33      "email": "anotherSitter@gmail.com",
34      "firstname": "John",
35      "lastname": "Cena",
36      "phone": "0123456789",
37      "city": "Here",
38      "country": "That",
39      "role": "petsitter",
40      "flag": false
```

Searching pet sitters by pet category



Searching pet sitter by their name (part of it: either first or last)

Here we get an empty array because none of the pet sitters are called 'Jane'

http http http http http http http http

POST http://localhost:3000/api/findByname

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> name	Jane
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "PetSitters": [],
4   "message": "Service Executed Successfully "
5 }
```

Update User Password

http http http http http http http http h

PUT http://localhost:3000/api/uPassword

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> newPassword	NEW
<input checked="" type="checkbox"/> username	sitter1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "message": "Updated User Password Successfully "
4 }
```

	id [PK] integer	username character varying (255)	password character varying (255)
1	1	owner1	imtheowner
2	2	sitter1	NEW
3	3	anotherSitter	Imthesitter
4	4	THEowner	itsme

Update User Email

1

The screenshot shows a REST client interface with a PUT request to `http://localhost:3000/api/uEmail`. The request body is set to `x-www-form-urlencoded` and contains two fields: `newEmail` with value `NEW@gmail.com` and `username` with value `sitter1`. The response is shown in JSON format: `{ "status": 200, "message": "Updated User Email Successfully " }`.

	id [PK] integer	username character varying (255)	password character varying (255)	email character varying (255)
1	1	owner1	imtheowner	owner1@gmail.com
2	2	sitter1	NEW	NEW@gmail.com
3	3	anotherSitter	Imthesitter	anotherSitter@gmail.com
4	4	THEowner	itsme	LeOwner@gmail.com

Update Pet Sitter Accepted pet Categories

PUT http://localhost:3000/api/uSitterCateg

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
categories	reptile
username	sitter1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "message": "Updated PetSitter Accepted Categories Successfully "
4 }

```

	id [PK] integer	description character varying (255)	categs "enum_PetSitters_categs"[]	createdAt timestamp with time zone
1	1	description	{dog,reptile}	2021-01-02 14:31:48.714
2	2	description	{cat}	2021-01-02 14:43:41.335

Flag a User

PUT http://localhost:3000/api/flagUser

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary

Key	Value
username	sitter1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "message": "Flagged User Successfully"
4 }

```

	id [PK] integer	username character varying (255)	role 'enum_Users_role'	flag boolean	createdAt timestamp with time zone	updatedAt timestamp with time zone
1	1	owner1	petowner	false	2021-01-02 14:31:39.488+00	2021-01-02 14:31:39.488+00
2	2	sitter1	petsitter	true	2021-01-02 14:31:48.709+00	2021-01-02 16:42:40.366+00
3	3	anotherSitter	petsitter	false	2021-01-02 14:43:41.326+00	2021-01-02 14:43:41.326+00
4	4	THEowner	petowner	false	2021-01-02 14:44:28.502+00	2021-01-02 14:44:28.502+00

Request Service Testing

Making a Request

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:3000/api/crReq
- Body Type:** x-www-form-urlencoded
- Form Data:**

Key	Value
ownerUsername	owner1
sitterUsername	sitter1
title	My Request
noOfPets	2
- Body Tab:** Shows a JSON response:

```

1 {
2   "status": 200,
3   "data": {
4     "status": "pending",
5     "id": 1,
6     "title": "My Request",
7     "noOfPets": 2,
8     "petSitter_id": 2,
9     "petOwner_id": 1,
10    "updatedAt": "2021-01-02T17:20:37.797Z",
11    "createdAt": "2021-01-02T17:20:37.797Z"
12  },
13   "message": "Service Executed Successfully"
14 }

```

Making a request with wrong sender/receiver

http:// http:// http:// http:// http:// http:// http:// http:// http://

POST http://localhost:3000/api/crReq

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> ownerUsername	owner1
<input checked="" type="checkbox"/> sitterUsername	XXXX
<input checked="" type="checkbox"/> title	My Request
<input checked="" type="checkbox"/> nopets	2
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview HTML

1 Pet Sitting Request Failed

Making a request with a number of pets that is more than specified in the owner's profile

http:// http:// http:// http:// http:// http:// http:// http:// http:// http:// http:// http://

POST http://localhost:3000/api/crReq

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> ownerUsername	owner1
<input checked="" type="checkbox"/> sitterUsername	sitter1
<input checked="" type="checkbox"/> title	My Request
<input checked="" type="checkbox"/> nopets	5
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview HTML

1 Please make sure the number of pets in this request doesn't exceed the number of owned pets on your profile

Pet sitter looking for all their received requests

http:// http:// http:// http:// http:// http:// http:// http://

POST http://localhost:3000/api/findSitterReqs

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> username	sitter1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "data": [
4     {
5       "id": 1,
6       "title": "My Request",
7       "nOfPets": 2,
8       "status": "pending",
9       "createdAt": "2021-01-02T17:20:37.797Z",
10      "updatedAt": "2021-01-02T17:20:37.797Z",
11      "petOwner_id": 1,
12      "petSitter_id": 2
13    },
14    {
15      "id": 2,
16      "title": "My Request",
17      "nOfPets": 1,
18      "status": "pending",
19      "createdAt": "2021-01-02T17:33:54.890Z",
20      "updatedAt": "2021-01-02T17:33:54.890Z",
21      "petOwner_id": 4,
22      "petSitter_id": 2
23    }
24  ],
25   "message": "Service Executed Successfully"
26 }

```

Pet owner searching for all their sent requests

http:// http:// http:// http:// http:// http:// http:// http://

POST http://localhost:3000/api/findOwnerReqs

Authorization Headers (1) Body Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> username	THEowner
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```
1 {
2   "status": 200,
3   "data": [
4     {
5       "id": 2,
6       "title": "My Request",
7       "nOfPets": 1,
8       "status": "pending",
9       "createdAt": "2021-01-02T17:33:54.890Z",
10      "updatedAt": "2021-01-02T17:33:54.890Z",
11      "petOwner_id": 4,
12      "petSitter_id": 2
13    }
14  ],
15  "message": "Service Executed Successfully"
16 }
```

Pet Sitter: Accepting a request

http:// http:// http:// http:// http:// http:// http:// http://

PUT ⌵ http://localhost:3000/api/acceptReq

Authorization Headers (1) **Body** ● Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> title	My Request
<input checked="" type="checkbox"/> ownerUsername	owner1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON ⌵ ≡

```

1 {
2   "status": 200,
3   "message": "Service Executed Successfully"
4 }
```

Data Output		Explain	Messages	Notifications	
	id [PK] integer 	title character varying (255) 	nOfPets integer 	status "enum_Requests_status" 	createdAt timestamp
1	1	My Request	2	accepted	2021-01-4
2	2	My Request	1	pending	2021-01-4

Pet Sitter: Reject a Request

http:// http:// http:// http:// http:// http:// http:// http://

PUT ▼ http://localhost:3000/api/rejectReq

Authorization Headers (1) **Body** ● Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> title	My Request
<input checked="" type="checkbox"/> ownerUsername	THEowner
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON ▼

```

1 {
2   "status": 200,
3   "message": "Service Executed Successfully"
4 }

```

	id [PK] integer	title character varying (255)	nOfPets integer	status "enum_Requests_status"	createdAt timestamp
1	1	My Request	2	accepted	2021-01-02
2	2	My Request	1	rejected	2021-01-02

Find Accepted Requests

http:// http:// http:// http:// http:// http:// http:// http://

POST ▼ http://localhost:3000/api/findAcceptedReqs

Authorization Headers (1) **Body** ● Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> username	owner1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON ▼

```

1 {
2   "status": 200,
3   "data": [
4     {
5       "id": 1,
6       "title": "My Request",
7       "nOfPets": 2,
8       "status": "accepted",
9       "createdAt": "2021-01-02T17:20:37.797Z",
10      "updatedAt": "2021-01-02T19:13:53.991Z",
11      "petOwner_id": 1,
12      "petSitter_id": 2
13    },
14    {
15      "id": 3,
16      "title": "My Request",
17      "nOfPets": 1,
18      "status": "accepted",
19      "createdAt": "2021-01-02T17:34:27.772Z",
20      "updatedAt": "2021-01-02T19:13:53.991Z",
21      "petOwner_id": 1,
22      "petSitter_id": 3
23    }
24  ],
25   "message": "Service Executed Successfully"
26 }

```

Pet Service Testing

Create Pet

http:// http:// http:// http:// http:// http://

POST http://localhost:3000/api/createPets

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

	Key	Value
<input checked="" type="checkbox"/>	username	owner1
<input checked="" type="checkbox"/>	petname	lili
<input checked="" type="checkbox"/>	category	cat
<input checked="" type="checkbox"/>	Vstatus	true
<input checked="" type="checkbox"/>	sex	female
	New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "message": "Service Executed Successfully"
4 }

```

	id [PK] integer	petName character varying (255)	petCategory "enum_Pets_petCategory"	isVaccinated boolean	sex character varying (255)	createdAt timestamp with time zone	updatedAt timestamp
1	1	lili	cat	true	female	2021-01-02 19:32:41.176+00	2021-01-02 19:32:41.176+00

Retrieve Pets

http://l http://l http://l http://l http://l http://l http://l

POST http://localhost:3000/api/getPets

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> username	owner1
<input type="checkbox"/> petname	lili
<input type="checkbox"/> category	cat
<input type="checkbox"/> Vstatus	true
<input type="checkbox"/> sex	female
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "data": [
4     {
5       "id": 1,
6       "petName": "lili",
7       "petCategory": "cat",
8       "isVaccinated": true,
9       "sex": "female",
10      "createdAt": "2021-01-02T19:32:41.176Z",
11      "updatedAt": "2021-01-02T19:32:41.176Z",
12      "petOwner_id": 1
13    }
14  ],
15  "message": "Service Executed Successfully"
16 }

```

Update Vaccination Status

http://

http://

http://

http://

http://

http://

http://

PUT

http://localhost:3000/api/updatePetV

Authorization

Headers (1)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

Key	Value
<input checked="" type="checkbox"/> username	owner1
<input type="checkbox"/> petname	lili
<input type="checkbox"/> category	cat
<input checked="" type="checkbox"/> Vstatus	false
<input type="checkbox"/> sex	female
New key	Value

Body

Cookies

Headers (6)

Test Results

Pretty

Raw

Preview

JSON

```

1 {
2   "status": 200,
3   "message": "Service Executed Successfully"
4 }

```

id [PK] integer	petName character varying (255)	petCategory "enum_Pets_petCategory"	isVaccinated boolean	sex character varying (255)	created timesta
1	lili	cat	false	female	2021-01

Rating Service Test

When a pet owner tries to rate a pet sitter, they choose a number from 1 - 5 which is appended to the array of ratings the sitter had collected, so that an average can be calculated.

In this example, the last rating the pet owner gave was a “1” and it got appended to the array, updating the average rating as well.

http:// http:// http:// http:// http:// http://

POST http://localhost:3000/api/rateSitter

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
<input checked="" type="checkbox"/> username	sitter1
<input checked="" type="checkbox"/> rating	1
New key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview JSON

```

1 {
2   "status": 200,
3   "message": "Service Executed Successfully"
4 }

```

	id [PK] integer	ratings integer[]	average double precision	createdAt timestamp with time zone	updatedAt timestamp with time zone	petSitter_id integer
1	1	{5,2,4,1,5,3,5,1}	3.25	2021-01-02 14:31:48.723+00	2021-01-02 20:00:07.297+00	1
2	2	{5,2,4,1,5}	3.4	2021-01-02 14:43:41.344+00	2021-01-02 19:51:08.858+00	2