11/10/2023

Filtering the Response

With most common retrieved Data:

```python
                  type        : aType,
                  'location': aLocation,
                  'gender'  : aGender,
                  #'age'      : aAge,
                  #'size'     : aSize
                  }
response = requests.get(CALL_URL, params=params, headers=headers)

#displayinfo = response.json()['animals'][0]['age'] This worked
#displayinfo = response.json()['animals']#['contact'] #from first 20 animals
#displayinfo = response.json()
data = response.json().get('animals')
filtered_data = []
for animal in data:

    Address = {
                'Street': animal.get('contact', 'N/A').get('address', 'N/A').get('address1', 'N/A'),
                'City': animal.get('contact', 'N/A').get('address', 'N/A').get('city', 'N/A'),
                'State': animal.get('contact', 'N/A').get('address', 'N/A').get('state', 'N/A'),
                'Zip Code': animal.get('contact', 'N/A').get('address', 'N/A').get('postcode', 'N/A'),
                'Country': animal.get('contact', 'N/A').get('address', 'N/A').get('country', 'N/A')
                }
#   goodwith  = animal.get('environment', 'N/A')
#   for val in goodwith.values():
#       if val != 'true':
#           del goodwith[val]
    filtered_animal={
        'Address' : Address,
        'Distance' : animal.get('distance', 'N/A'),
        'Photo': animal.get('primary_photo_cropped').get('small', 'N/A'),
        'Name': animal.get('name', 'N/A'),
        'Type': animal.get('type', 'N/A'),
        'Size': animal.get('size', 'N/A'),
        'Gender': animal.get('gender', 'N/A'),
        'Age' : animal.get('age', 'N/A'),
        'breeds' : animal.get('breeds', 'N/A').get('primary'),
        #'Good with' : animal.get('environment', 'N/A'),
        'Email': animal.get('contact', 'N/A').get('email', 'N/A'),
        'Phone': animal.get('contact', 'N/A').get('phone', 'N/A'),
        'Description': animal.get('description', 'N/A')
        }
    filtered_data.append(filtered_animal)

#return filtered_data          # This Dispays all related results
return filtered_data[0]        # This Displays first related result for example
#return filtered_data[0:4]      # This Displays first Four related results as an example
```

Looking for a pet?
Fill the form Below:

Location: (Enter "postal code" OR "City, State")

`Boston, Ma`

Animal Type:

`cat`

Gender:

`male`

`submit`

One response as an example:
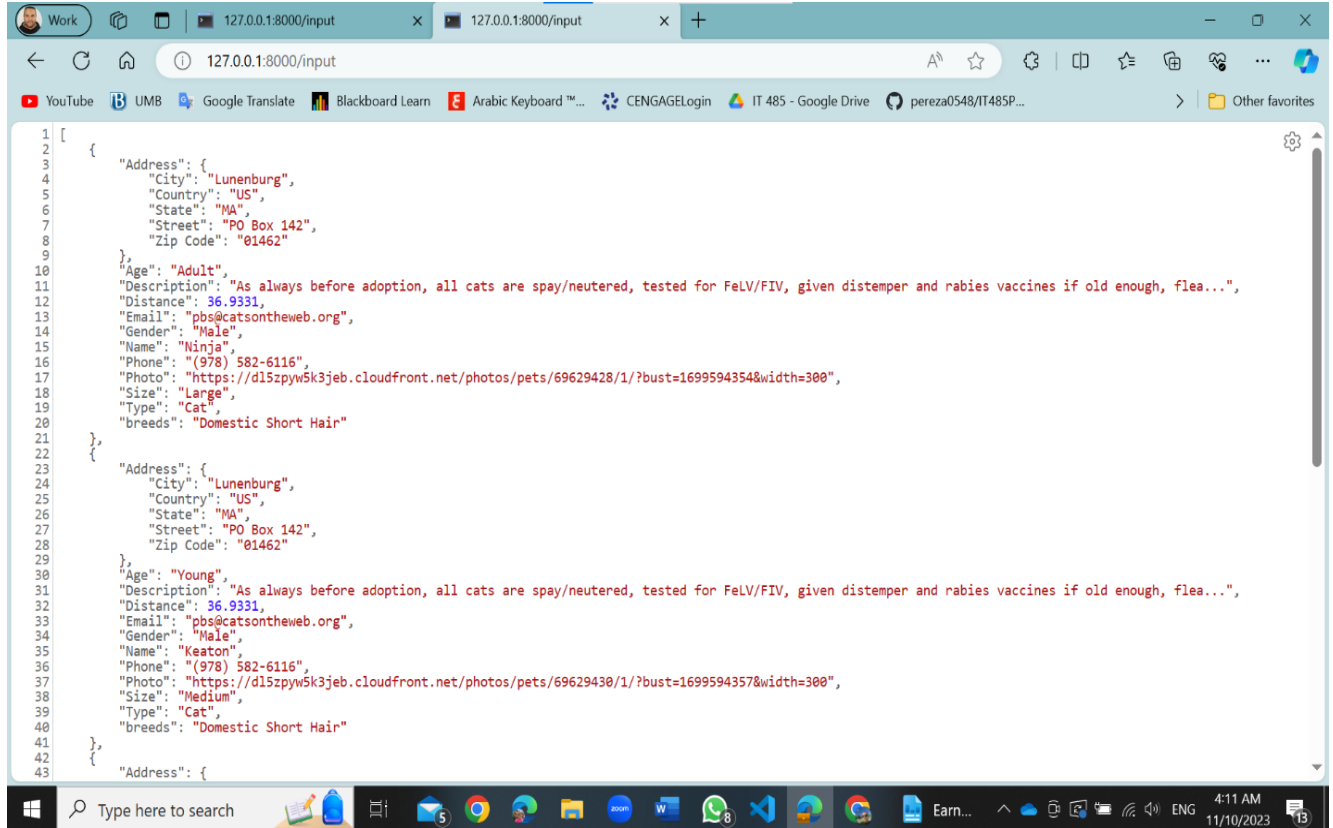
```
1  {
2      "Address": {
3          "City": "Lunenburg",
4          "Country": "US",
5          "State": "MA",
6          "Street": "PO Box 142",
7          "Zip Code": "01462"
8      },
9      "Age": "Young",
10     "Description": "As always before adoption, all cats are spay/neutered, tested for FeLV/FIV, given distemper and rabies vaccines if old enough, flea...",
11     "Distance": 38.3822,
12     "Email": "pbs@catsontheweb.org",
13     "Gender": "Male",
14     "Name": "Kaleb",
15     "Phone": "(978) 582-6116",
16     "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69629432/1/?bust=1699594358&width=300",
17     "Size": "Medium",
18     "Type": "Cat",
19     "breeds": "Domestic Short Hair"
20 }
```
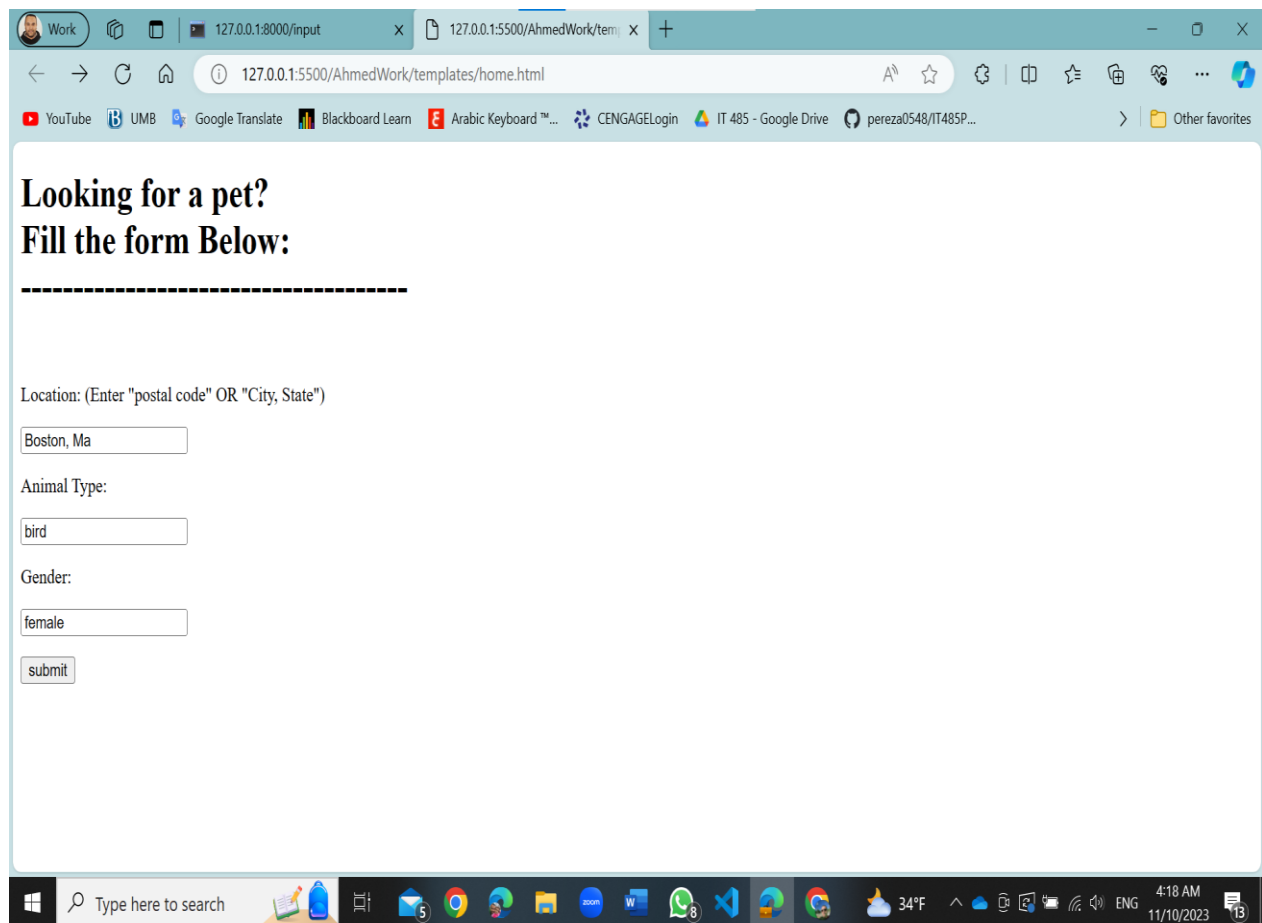
Example for displaying multiple results:

```
[
    {
        "Address": {
            "City": "Lunenburg",
            "Country": "US",
            "State": "MA",
            "Street": "PO Box 142",
            "Zip Code": "01462"
        },
        "Age": "Adult",
        "Description": "As always before adoption, all cats are spay/neutered, tested for FeLV/FIV, given distemper and rabies vaccines if old enough, flea...",
        "Distance": 36.9331,
        "Email": "pbs@catsontheweb.org",
        "Gender": "Male",
        "Name": "Ninja",
        "Phone": "(978) 582-6116",
        "Photo": "https://dl5zpyw5k3jeb.cloudfront.net/photos/pets/69629428/1/?bust=1699594354&width=300",
        "Size": "Large",
        "Type": "Cat",
        "breeds": "Domestic Short Hair"
    },
    {
        "Address": {
            "City": "Lunenburg",
            "Country": "US",
            "State": "MA",
            "Street": "PO Box 142",
            "Zip Code": "01462"
        },
        "Age": "Young",
        "Description": "As always before adoption, all cats are spay/neutered, tested for FeLV/FIV, given distemper and rabies vaccines if old enough, flea...",
        "Distance": 36.9331,
        "Email": "pbs@catsontheweb.org",
        "Gender": "Male",
        "Name": "Keaton",
        "Phone": "(978) 582-6116",
        "Photo": "https://dl5zpyw5k3jeb.cloudfront.net/photos/pets/69629430/1/?bust=1699594357&width=300",
        "Size": "Medium",
        "Type": "Cat",
        "breeds": "Domestic Short Hair"
    },
    {
        "Address": {
```

Trying different types of animals, a bird for example:

```
1  [
2      {
3          "Address": {
4              "City": "Methuen",
5              "Country": "US",
6              "State": "MA",
7              "Street": "400 Broadway",
8              "Zip Code": "01844"
9          },
10         "Age": "Baby",
11         "Description": null,
12         "Distance": 26.8169,
13         "Email": "methuen@mspca.org",
14         "Gender": "Female",
15         "Name": "PEONY",
16         "Phone": "978-687-7453",
17         "Photo": "https://dl5zpyw5k3jeb.cloudfront.net/photos/pets/69578811/1/?bust=1699301239&width=300",
18         "Size": "Medium",
19         "Type": "Bird",
20         "breeds": "Chicken"
21     },
22     {
23         "Address": {
24             "City": "Methuen",
25             "Country": "US",
26             "State": "MA",
27             "Street": "400 Broadway",
28             "Zip Code": "01844"
29         },
30         "Age": "Baby",
31         "Description": null,
32         "Distance": 26.8169,
33         "Email": "methuen@mspca.org",
34         "Gender": "Female",
35         "Name": "COLUMBIA",
36         "Phone": "978-687-7453",
37         "Photo": "https://dl5zpyw5k3jeb.cloudfront.net/photos/pets/69578812/1/?bust=1699301239&width=300",
38         "Size": "Medium",
39         "Type": "Bird",
40         "breeds": "Chicken"
41     },
42     {
43         "Address": {
44             "City": "Methuen",
45             "Country": "US",
46             "State": "MA",
47             "Street": "400 Broadway",
48             "Zip Code": "01844"
49         },
50         "Age": "Baby",
51         "Description": null,
52         "Distance": 26.8169,
53         "Email": "methuen@mspca.org",
54         "Gender": "Female",
55         "Name": "ASTER",
56         "Phone": "978-687-7453",
57         "Photo": "https://dl5zpyw5k3jeb.cloudfront.net/photos/pets/69578814/1/?bust=1699301240&width=300",
58         "Size": "Medium"
```