

Lab 11

1. Watch videos jQuery CORS 1,2,3) in the playlist

https://www.youtube.com/playlist?list=PLdKILfZbiX-J_JY5AZU1XIYYg49MNv6cU

2. Download startup code

<https://github.com/ManjulaChandirasekaran/IT2320StartupFiles/tree/master/Ajax%20CORS%20startup%20files>

3. Implement the following change:

For this assignment, you will implement an ajax call to another method in PetFinder API called "pet.find". See documentation below:

pet.find

Searches for pets according to the criteria you provide and returns a collection of pet records matching your search. The results will contain at most `count` records per query, and a `lastOffset` tag. To retrieve the next result set, use the `lastOffset` value as the offset to the next `pet.find` call.

NOTE: the total number of records you are allowed to request may vary depending on the type of developer key you have.

ARGUMENTS			
Name	Type	Required?	Description
key	string	required	your developer key
animal	string	optional	type of animal (barnyard, bird, cat, dog, horse, reptile, smallfurry)
breed	string	optional	breed of animal (use breed.list for a list of valid breeds)
size	string	optional	size of animal (S=small, M=medium, L=large, XL=extra-large)
sex	character	optional	M=male, F=female
location	string	required	the ZIP/postal code or city and state where the search should begin

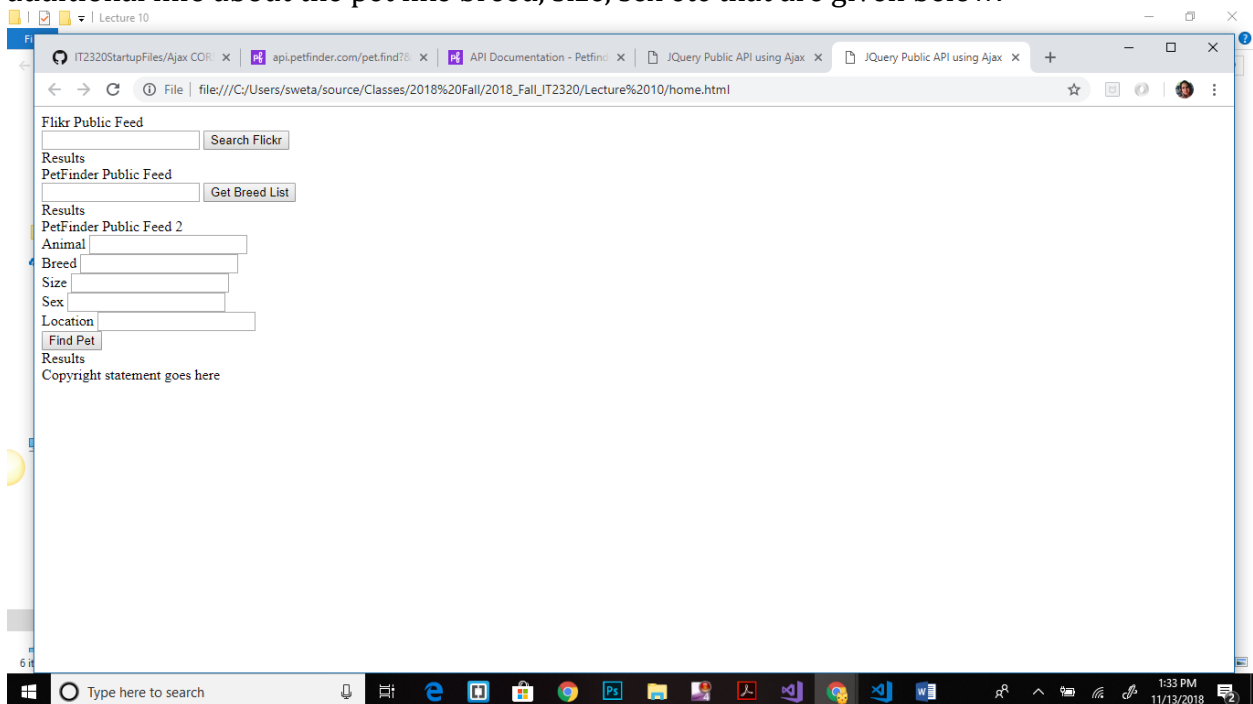
age	string	optional	age of the animal (Baby, Young, Adult, Senior)
offset	string	optional	set this to the value of <code>lastOffset</code> returned by a previous call to <code>pet.find</code> , and it will retrieve the next result set
count	integer	optional	how many records to return for this particular API call (default is 25)
output	string	optional (default=basic)	How much of each record to return: basic (no description) or full (includes description)
format	string	optional (default=xml)	Response format: xml, json

To do:

1. You need the api key. You can use the same api key if you had got one for trying out the `breed.list` method in my video. Create an account to get the api key.

<https://www.petfinder.com/developers/api-key>

2. In order to implement this method, you have to update the **home.html/css** to get additional info about the pet like breed, size, sex etc that are given below.



3. "location" parameter is mandatory so make sure to include this in your URL.

location	string	required	the ZIP/postal code or city and state where the search should begin
----------	--------	----------	---

4. In the URL you have to include pet.find instead of breed.list.

When the URL is formatted and ready to go it should look something like this.

http://api.petfinder.com/pet.find?callback=?&format=json&key=551b527add03634ac3a95a7a967367e6&location=Ohio&size=S&sex=F&breed=Australian%20Shepherd&animal=dog&_1541004833654

Pay attention to how each parameter is added to the url with an & sign. Pay attention to the API documentation to see what are valid values for sex, animal, size etc. Otherwise your code will not return the right data.

5. Write the returned data from ajax call to the console and examine it to see how the fields are presented.

This method returns data.petfinder.pets.pet as an array (See the data on the right side of the image). Inside this array you can see individual fields like name, id, description etc. Display the Name, Id, Description and Contact info for each pet as shown above .

Visual Studio Code interface showing a web browser (Chrome) displaying the PetFinder Public Feed and the console output of the JSON data.

Browser Tabs:

- IT2320StartupFiles/Ajax COR
- api.petfinder.com/petfinder
- API Documentation - Petfinder
- JQuery Public API using Ajax
- JQuery Public API using Ajax

Browser Address Bar: file:///C:/Users/sweta/source/Classes/2018%20Fall/2018_Fall_IT2320/Lecture%2010/home.html

Page Content:

Flickr Public Feed

Search Flickr

Results

PetFinder Public Feed

Get Breed List

Results

PetFinder Public Feed 2

Animal

Breed

Size

Sex

Location ohio

Find Pet

Cat

33414501

Joey is a sweet little girl found wandering in Newark, Ohio. She would love to have a "fur-ever" home with someone to love her. For information contact foster mom Katie at (740) 345-0033

Joey

Cat

41100288

Simba is a male striped cat. He is outside most of the time. But loves being inside. He meows and talks to you. Loves, of course, to be petted. For information contact foster mom, Linda, at (951) 322-0723 or Barbara at (740) 587-2817

Console Output:

```
{@encoding: "iso-8859-1", @version: "1.0", petfinder: {-}}
@encoding: "iso-8859-1"
@version: "1.0"
petfinder: {
  @xmlns:xsi: "http://www.w3.org/2001/XMLSchema-instance"
  @xsi:noNamespaceSchemaLocation: "http://api.petfinder.com/schemas/0.9/petfinder.xsd"
  header: {timestamp: {-}, status: {-}, version: {-}}
  lastOffset: {St: "25"}
  pets:
    pet: Array(25)
    0:
      age:
        St: "Young"
      __proto__: Object
      animal: {St: "Cat"}
      breeds: {breed: {-}}
      contact: {phone: {-}, state: {-}, address2: {-}, email: {-}, city: {-}, -}
      description: {St: "Joey is a sweet little girl found wandering in Newark, Ohio. She would love to have a \"fur-ever\" home with someone to love her. For information contact foster mom Katie at (740) 345-0033"}
      id: {St: "33414501"}
      lastUpdate: {St: "2015-09-30T23:33:05Z"}
      media: {photos: {-}}
      mix: {St: "no"}
      name: {St: "Joey"}
      options: {option: Array(3)}
      sex: {St: "F"}
      shelterId: {St: "OH616"}
```