**Lab 11**

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

<https://www.youtube.com/playlist?list=PLdKlLfZbiX-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 provde 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 lastOffset returned by a previous call to pet.find, 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 .