Pokemon List

03 AUGUST 2015 on Programming Principles (/tag/programming-principles/), Problem Solving
(/tag/problem-solving/)

The following exercise should be completed in vanilla JavaScript.

Use `https://api.vschool.io/pokemon` as your url for your XHR request to get
the big list of pokemon.

It will be easiest to do this is steps:

- Step one – get the data
- Step two – display the data

Step One

Write a function that gets the JSON and parses the JSON to create an array of objects that look like this:

```
{
    name: 'Charmander',
    resource_uri: 'api/v1/pokemon/8/'
},
{(Another pokemon object)},
{(Another pokemon object)},
{(Another pokemon object)},
...
etc.
```

You can see this using the console or the sources tab in the Chrome Developer Tools.

Step Two

Make each Pokemon's name show up on a separate line in an HTML document.

You will be using a for loop to iterate through each pokemon object, and some DOM mamnipulation to add nodes for each Pokemon.

Extra Credit

Display details about each pokemon

Hints

- You'll need to manually create an XML HTTP Request (http://www.w3schools.com/xml/dom_httprequest.asp) and handle the

`readyState` with `onReadyStateChange`.

- You'll need to use the built-in JavaScript `JSON` object to change the JSON into a useable JavaScript object. Check out the W3Schools JSON Howto (http://www.w3schools.com/json/json_eval.asp) for more information and examples.

- The data that comes from the url endpoint above is complex. Notice that the "objects" property is an array, so you'll need to index into it's 1st item in order to get any of the pokemon names (`data.objects[0]...`);

- You'll need to use pure JavaScript to create and add an element to your HTML (http://www.w3schools.com/jsref/met_document_createelement.asp).

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Star Wars Opening Credits ($http)

You are going to make a one page Angular application that shows

YOU MIGHT ENJOY

End of the world!

Create a web page with a timer that starts at 20 seconds and counts down to 0. When it...

the opening words
("opening crawl"...