JQUERY
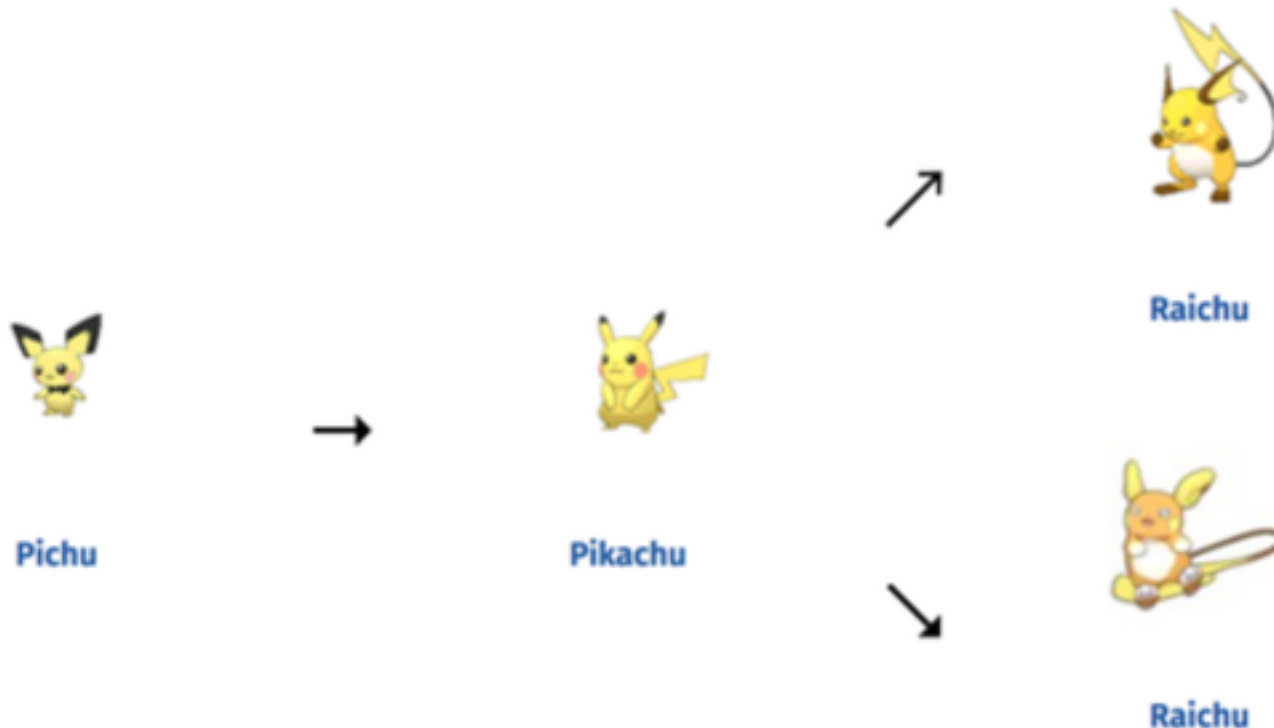
Pokemon Go Task

Ashok Dudhat

6th August 2018

Task

For this task, use the Pokeapi to create a Pokémon "app." Even if you already know about Pokémon, read the background section for information on data structures.

The purpose of this test is to evaluate your knowledge of JS/jQuery, your general coding practices, and your problem solving skills.

Background on Pokémon:

Pokémon is a video game where players move through a world, catching and training animals called Pokémon. Each Pokémon belongs to a **Poké mon species**, such as Charmander or Pikachu. Over the course of their lives, Pokémon of one species can strengthen and evolve into a Pokémon of a different species. For example, Charmander is a specific species that can evolve into the species Charmeleon and Charizard. Therefore all three of these Pokémon species have the same **evolution chain**.

Here's an illustrative depiction of four Pokémon species and their evolution chain:

Pichu → Pikachu → Raichu / Raichu

The app should have the following functionality:

The initial view shows a list of Pokémon species names. (Set the starting list any way you see fit, e.g. with a set number) Next to each Pokémon species name is a button labeled **Show Evolution Chain**.

Clicking this button displays a new view. This view has the same structure as the initial view. This list should show all the Pokémon species in the *same evolution chain* as the original clicked Pokémon.

General API documentation

Call for Pokémon species data: `api/v2/pokemon/{id or name}` (documentation)

for example https://pokeapi.co/api/v2/pokemon/1 (please show at least 200 pokemon out of 800+)

Call for Pokémon species data: `api/v2/pokemon-species/{id or name}` (documentation)

Call for Pokémon evolution chain data: `api/v2/evolution-chain/{id}` (documentation)

Take note of the nested nature of EvolutionChain and ChainLink data types.

Extras:

The API returns extra info about each Pokémon species (e.g., color, capture rate, names in various languages). Try to display them in the list in a way that makes sense.
If you like, add more API calls to display more information.
Bonus points for adding sorting, searching, or filtering functionality to the list.

Use

- Frameworks
  - Bootstrap or without bootstrap
  - jQuery
- Technique
  - Closure (Singleton)
  - IIF
  - Ajax

Pokemon Go Games

Pokémon Species List View

Sort By : [ID] Order By : [Ascending]

venomoth	machamp	chansey	hypno	wigglytuff	charizard	paras	kadabra
Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain
# 3	# 26	# 74	# 39	# 1	# 38	# 47	# 71

venusaur	raichu	geodude	jigglypuff	bulbasaur	ninetales	parasect	victreebel
Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain
# 42	# 56	# 95	# 43	# 67	# 80	# 51	# 102

golbat	mankey	onix	oddish	machoke	slowbro	dugtrio	exeggcute

Evolution Chain View

109

koffing

Show Evolution Chain

110

weezing

Show Evolution Chain

Pokemon Go Games

Pokémon Species List View

Sort By : ID ⬍ Order By : Ascending ⬍

venomoth	machamp	chansey	hypno	wigglytuff	charizard	paras	kadabra
Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain
# 3	# 26	# 74	# 39	# 1	# 38	# 47	# 71

Click here for more details							
venusaur	raichu	geodude	jigglypuff	bulbasaur	ninetales	parasect	victreebel
Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain
# 42	# 56	# 95	# 43	# 67	# 80	# 51	# 102

Pokemon Go Games

Pokémon Species List View

Sort By : [ID] Order By : [Ascending]

venomoth	machamp	chansey	hypno	wigglytuff	charizard	paras	kadabra
Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain
# 3	# 26	# 74	# 39	# 1	# 38	# 47	# 71

Pokémon Species Details

ID: 3
Name: venusaur
Capture Rate: 45
Base Happiness: 70
Color: green
Shape: quadruped

Click here for more details							
venusaur	raichu	geodude	jigglypuff	bulbasaur	ninetales	parasect	victreebel
Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain	Show Evolution Chain