

# Case Study for Pokédex JavaScript App

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## Overview

The Pokémon JS App is a simple JavaScript app that utilizes HTML, CSS and JavaScript to load Pokémon data from an external API to view data points in detail (such as type and size) via the use of modals.



## Home Page

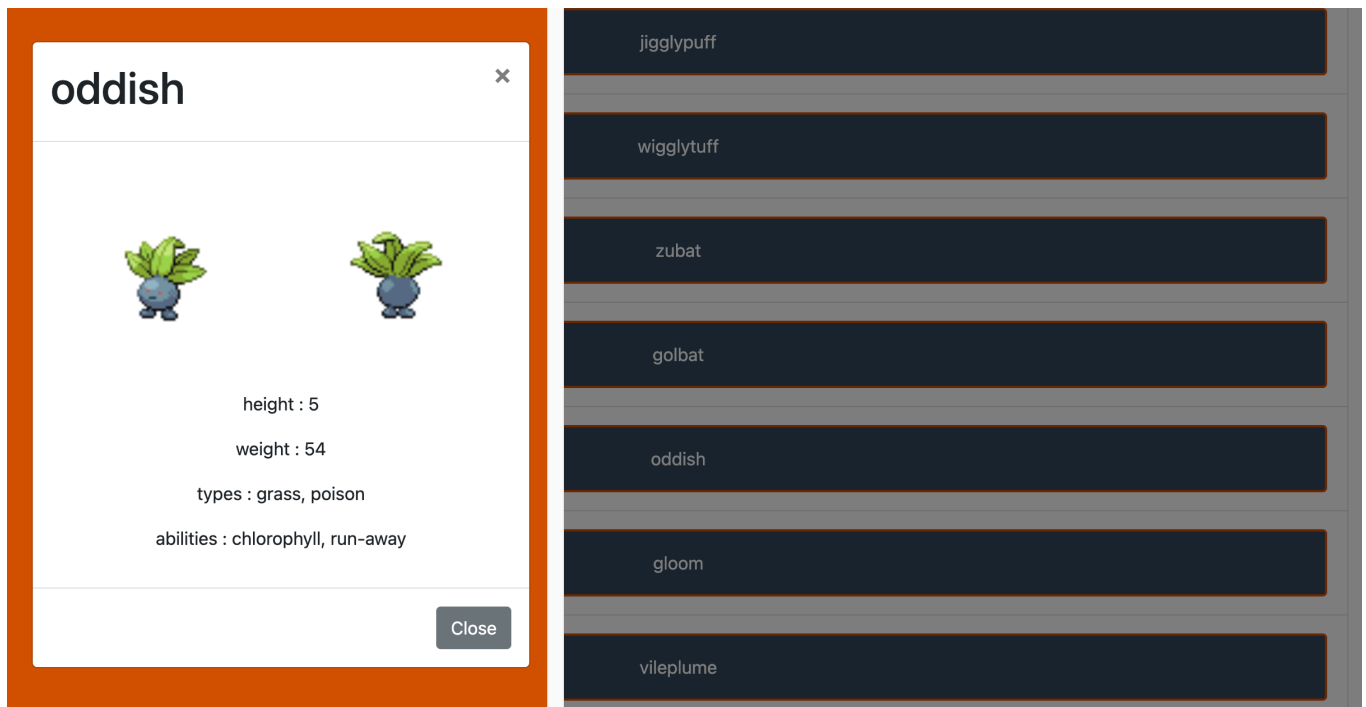
## Purpose & Context

The Pokémon JS App was a personal project I built as part of my web development course at CareerFoundry to begin learning the fundamentals of JavaScript



## Objective

The aim of the project was to have a project that I could add to my full-stack portfolio that demonstrated a facility with JavaScript. The problem I wanted to solve was to create a visually appealing interface that utilized modals to examine Pokémon data points in greater detail



Modal-detail View

## Approach

I used a fetch-polypill and an apiURL to to access the Pokèmon API and retrieve data on individual Pokèmon in JSON format. Then I used loadDetail(), loadList() and add() functions to display the information and included CSS and HTML to create modals.



```

2  let pokemonRepository = (function () {
3      let pokemonList = [];
4      //add pokemon API
5      let apiUrl = 'https://pokeapi.co/api/v2/pokemon/?limit=150';
6
7      //create a return for key-value pairs
8      function add(pokemon) {
9          pokemonList.push(pokemon);
10     }
11     function getAll() {
12         return pokemonList;
13     }

```

### apiURL and getAll()function

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```

function loadList() {
    return fetch(apiUrl).then(function (response) {
        return response.json();
    }).then(function (json) {
        json.results.forEach(function (item) {
            let pokemon = {
                name: item.name,
                detailsUrl: item.url
            };
            add(pokemon);
            // console.log(pokemon);
        });
    }).catch(function (e) {
        console.error(e);
    })
}

```

### loadList() and JSON conversion

```

function showModal(pokemon) {
    let modalBody = $(".modal-body");
    let modalTitle = $(".modal-title");
    let modalHeader = $(".modal-header");
    //Clear existing content of modal
    modalTitle.empty();
    modalBody.empty();

```

### Modal Code



## Challenges

It took me some time to differentiate between the functionality and coding requirements necessary from the server-side versus the methodology required to pull information from an API but I eventually got there through meticulous study and the help of my tutor

## Credits

Role: Lead Developer  
Tutor: Jason Early  
Mentor: Sophek Tounn

