**Description:**

The purpose of this document is to serve as your guide in building out the Pokedex of San Diego. Follow the requirements, guidelines, and designs as you get to showcase your abilities in building a web application.

**Technological Requirements:**

1. Create a modern web application.
2. Use the attached wireframes when creating the layout of the application.
   * Feel free to make changes if you see fit (Be ready to discuss the changes you might have made).
   * Use any color palette when designing the application (black and white is welcome).
   * Use any font (type, color, weight)
3. Technology – The goal of this Demo is to showcase your ability as a developer to rapidly develop a modern web application. We also want you to be able to show off your coding skills. So, when choosing a technological stack keep the following items in mind:
   * ReactJS is preferred (Feel free to use create-react app or this [**simple minimal react boilerplate**](https://github.com/rwieruch/minimal-react-webpack-babel-setup))
   * The use of a CSS preprocessor (SCSS or SASS) or styled-components is preferred.
   * For the actual UI components, please try to make sure you use your own.
   * Feel free to use any other library that you see fit (redux, relay, etc.), but be prepared to discuss the use of these libraries.
   * Use a build system (webpack preferred), and feel free to make any optimization, use any plugin that you see fit. (Be prepared to discuss the use of these libraries).
   * Incorporate a Unit test with at least 2 files and show why you tested them and how you tested them.
4. Think Performance. Show off any performance enhancements you have that can make this application load as fast possible, and as little as possible.

**Data sources:**

Use the following rest APIs when creating the application.

* <https://pokeapi.co/>
  + Use the v2 API when getting information regarding the list of Pokémon, their abilities, their names, their type, image sprites, etc.
  + The API is subject to 100 requests per IP address per minute, so please make sure you can cache as much as you can as possible.
  + Refer to the [documentation](https://pokeapi.co/docs/v2.html), for more information.
* https://api.craft-demo.net/pokemon
  + ​Use this API to get the Pokémon’s location within San Diego.
  + The API accepts Pokémon id (aka numeric order), as the requestId (NOTE: Not **all**Pokemon are currently supported yet)
    - Example: https://api.craft-demo.net/pokemon/1

{

"locations": [

"32.734778,-117.152630",

"32.734196,-117.139709",

"32.833744,-117.067149",

"32.819219,-117.029244",

"32.907707,-116.797917"

]

}

* + - Returns an array of coordinates that a Pokémon maybe located in within San Diego (latitude/longitude).
    - The request requires a API key in the header, **x-api-key. Please look in the invitation email for this API key.**

**Final Output:**

* Hosting the site is optional. Once you are done, please upload the complete folder as a zip file to the test.
* The zip file should be ready to run, on any machine, through NPM scripts. I should be able to download the zip file, npm install, then npm start.
* Upload your work to a public repo.
  + Commit Often, and make sure you have some useful notes in your commits.
  + Make sure the repo link is in the package.json.