Frontend developer assignment

Introduction

The purpose if this assignment is to show how you approach building a frontend application. This assessment is meant to take up to 5 hours. Make sure to have fun along the way!

The assignment

Create a single‐page web application which allows users to browse list all dog breeds. You can use the following open api: <https://dog.ceo/dog-api/>

Use a dashboard to show:

* List of all breads

Use the following url to list all breads <https://dog.ceo/api/breeds/list/all>

* List of Image from [https://dog.ceo/api/breed/{breed\_name}/images](https://dog.ceo/api/breed/%7bbreed_name%7d/images)
* Random Image of Each Particular Breed [https://dog.ceo/api/breed/{breed\_name}/images/random](https://dog.ceo/api/breed/%7bbreed_name%7d/images/random)
* There will be input box through which user can breed. You need to provide “breed name” functionality on input field. After selecting a breed, you need to show the images of the particular breed. The app will initially show random images of breed. Use API : [https://dog.ceo/api/breed/{breed\_name}/list](https://dog.ceo/api/breed/%7bbreed_name%7d/list) to get list of particular breed
* [https://dog.ceo/api/breed/{breed\_name}/images/random/20](https://dog.ceo/api/breed/%7bbreed_name%7d/images/random/20) use this API to get number of images you want to show

Other Requirements

The project is expected to be delivered as a GitHub (or something similar) repository URL or a zip file.

The following needs to be explained in a README file:

1. Instructions how to start the application
2. Architectural decisions (E.G. why did you choose a specific framework)
3. How the application can become production ready

All these application requirements need to be satisfied:

1. Application must be implemented using JavaScript;
2. Application must be a single‐page web application (containing the details mentioned above);
3. Application must be responsive and mobile friendly;
4. Use any frameworks of your choice;

Bonus

1. Create automated tests
2. Create an extra option to returns an array of all the sub-breeds from a breed
3. Implement pagination or endless scrolling to see more than 10 images