

REACT DEVELOPER TECHNICAL TEST

Task

The goal of this exercise is to create a small react app that satisfies the requirements below and matches the design provided. We have purposefully given you some freedom in regards to the implementation because we'd like to see how you approach problem solving.

Please read the entire document carefully before starting.

Requirements

- Use the open Dog API: <https://dog.ceo/dog-api/documentation>
 - Main screen: display the list of breed groups (e.g. Hound) and the number of breeds in each group
 - Allow the user to click to view a breed group
 - Secondary screen: Display 3 random images of the selected breed group and list all of the breed names in that breed group. These images should be cached
 - If the user selects the same breed group in the same session (i.e. before refreshing), the app should serve the images that were cached, **not** make another API call
 - The app's URL should update depending on the name of the breed, e.g. /hound
 - If the user refreshes the app when viewing dog breed images the app should remain on the page and fetch 3 new images, the use of a routing package is recommended
- You must use Redux to store the relevant information – we leave this to your discretion but you should assume this app will scale in the future
- The use of functional components is preferred
- Use any libraries / packages you consider to be beneficial, be ready to justify these later
- App must be responsive to work on desktop screen (1440px) and also iPhone (345px)
- App must match designs provided
- You may use whichever CSS styling framework you prefer
- You are encouraged to add comments where you see fit

Bonus

- Add sorting and filtering on the main screen for the list of dog breed groups
- Have a 'change pictures' button on the image view screen that grabs 3 more random images and clears the cached images for that breed in the process
- Add any loading indicators or other stylistic quality-of-life improvements you see fit
- Using Typescript even if just partially

Returning the project

To deliver the project to us, please create a GitHub or BitBucket repo and share the link with us, alternatively zip up the repository (remembering to remove the node_modules folder) and attach to the email.

Designs on page 2

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Designs

Design spec:

Brown: #773f0e

Black: #000000

Grey: #999999

Rounded corners: 2px

Inputs, buttons height: 40px

Images: 280px x 280px

Font sizes: 30px, 20px, 16px

Doggy McDogface

Breed group	Number of breeds	
Dog breed group 1	0	View
Dog breed group 2	12	View
Dog breed group 3	2	View

Doggy McDogface

Bullterrier

Sub breeds: boston, english, french

[Change pictures](#)

[image 1 goes here]

[image 2 goes here]

[image 3 goes here]

[< back](#)