Creative Technologist Coding Challenge

If you're reading this, it means you're now at the challenge step of the Creative Technologist hiring process for the Design Systems team. Congratulations! We're really happy you're here. The goal of this exercise is to help us understand how to best fit you into the team.

Time frame

We want to be respectful of your time, so we are asking you to complete this within 7 days. If you need more time, please reach out to the technical recruiter.

When submitting your challenge, <u>please submit your challenge as a zip file that we can run locally</u>, rather than a Github repository.

What we'll be assessing

- How you work with HTML, CSS, JS, (and ideally React)
- How you reproduce (and better yet, elevate) the provided design
- The quality and structure of your codebase

What you're building

You are a contractor and you've been asked by the CEO of Catopia to build their latest product: **Can My Cat Eat That?**™ Your mission is to build a small application that allows users to search and filter through common house plants to see if it's safe for their pet to take a nibble.

What we're expecting

Required features

The features we expect that your app to contain:

- ☐ Search for plants by name through use of a search bar
- ☐ Filter non-toxic and toxic plants by using a dropdown
- ☐ Change the view from either a grid or list

☐ Clicking on a plant image or name should show the plant's details
Important note: You can navigate to the plant's details however you'd like (ex: modal, page route, etc), as long as you provide the information that is in the details view design

Feel free to expand upon our challenge more if you'd like (we love tests, accessibility improvements, and microinteractions!), but how you execute on the required features will carry the most weight.

Technology

Our team uses React in our day-to-day (we recommend using [Create React App](#) for this project), but you are free to use whatever tech stack you'd like and any additional libraries you deem necessary.

However, we ask that you **do not use a CSS or UI component library** like Bootstrap, Tailwind, Chakra UI, etc., because a large part of this challenge is to see how you write CSS and components from scratch.

What we're providing

Designs and assets

We have provided three screens: a grid view, a list view, and a plant's details view. You can view these in both the Figma file and PDF we've sent with these instructions. We have purposefully not included *how* to view a plant's details because we want to see how you would approach this problem to better understand your interaction design skills. We also have included a folder with compressed images for your use.

Data

We have provided a simple JSON file that contains a list of plants and the following metadata:
- Names - Common and scientific
- Description
- Toxic properties and symptoms (if toxic)
- Care - light and water

If you have any questions don't hesitate to reach out to the technical recruiter or hiring manager.