

# Front End challenge

This is where you get to show us what you can do. Write us a single page app that fulfills the spec below and meets the criteria listed.

We know tech tests have a habit of taking a whole weekend, but that's not necessary here. You should spend a few hours on this (that's what we're expecting). Of course if you want to spend a weekend and build The World's Greatest Tech Test we'd be thrilled to review it.

We also use this same test for all of our developers - junior, senior, principal etc - and we'll be keeping the level of the role in mind when reviewing. So junior devs will get a little more slack, while principal devs should come prepared to make us wonder if we're even qualified to review your work.

## The Spec

So just what is it that this app should do?

It should just meet the following requirements:

1. You should be able to upload a new cat image
2. You should be able to view the cat images you uploaded
3. You should be able to favourite and unfavourite a cat
4. You should be able to vote a cat up or down
5. You should see a score on each cat based on the votes

## The Criteria

- The app should look professionally made. We're not expecting you to create your own Design System but the styling should stand up as a modern website to non technical users, and be ok at various screen sizes.
- Pick the front end framework relevant to the job you're applying for. This is most likely between React and Angular, but if the job description says Svelte....
- A lot of modern software development is about using 3rd party packages the right way, so pick your favourites and show us you know how to use them
- We're expecting the app to do things you'd expect of a modern website, and your understanding of what that means is part of the Test! Things like validation and error handling wouldn't be a bad place to start though..

# The API

The API that your web app should integrate with is thecatapi.com

## The Acceptance criteria

### Requirement 1: Uploading the Cats

Create a page at `/upload` that lets you upload a new cat image. The requirements are: 1.

- Allow a user to select a file from their PC to upload
2. Uploads the image to [this](#) API endpoint.
3. After uploading successfully it returns the user to the `/` page, otherwise it displays validation errors and errors returned from API.

### Requirement 2: Listing the Cats

Create a page at `/` that lists the cat images that you have uploaded using [this](#) API endpoint. 1.

Display in a responsive way, up to a maximum of 4 cat images per row, it should neatly scale down to a 340px wide viewport and ensure images are not stretched.

### Requirement 3: Favoriting the Cats

On the listing at `/` add a "favourite" / "unfavourite" button (it can also be a filled/unfilled heart if you desire) that allows the user to toggle saving the image as a favourite. The requirements are:

- Clicking "favourite", calls [this](#) API endpoint and changes text on button to be "unfavourite" (or heart to filled).
- Clicking "unfavourite", calls [this](#) API endpoint and changes text on the button to be "favourite" (or heart to unfilled).

### Requirement 4: Voting the Cats

On the listing at `/`:

- Add a "vote up" and a "vote down" below each of the Cat images that calls [this](#) API saving the vote made on the Cat

### Requirement 4: Scoring the Cats

- Display the score for each cat below the image using [this](#) API endpoint. The score is equal to (Number of up votes - Number of down votes)