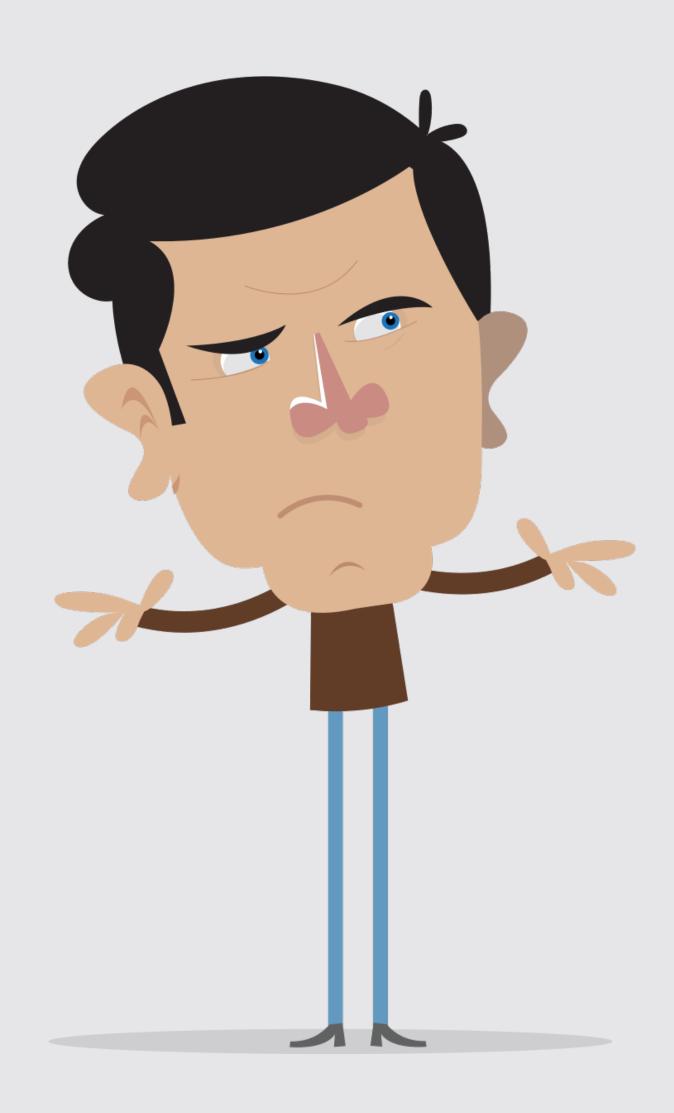
BUILDING WITH JAMSTACK WRANGLING APIS AND UIS

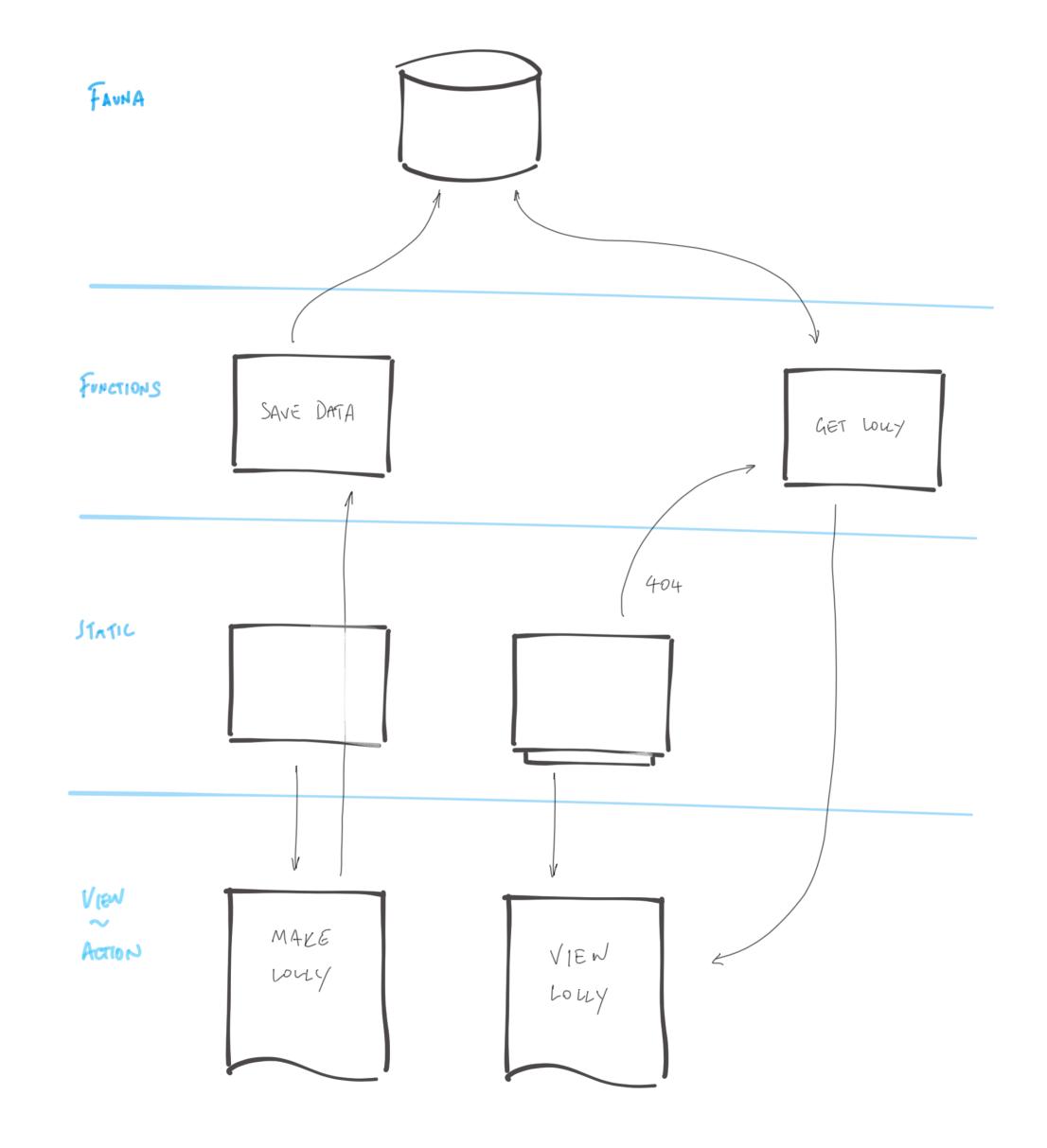
PHIL HAWKSWORTH

@PHILHAWKSWORTH





AND AND BOXES



yikes!

YIYING ME MARK

JAMSTACK JAMSTACK JAMSTACK SOMETHING SOMETHING SOMETHING JAMSTACK

PHIL, ALL THE TIME TO BE HONEST

ART IS ABOUT ASKING QUESTIONS, DESIGN IS ABOUT FINDING ANSWERS

BRENDAN DAWES, I THINK

TECHNICAL DESIGN



DESIGN TOO

SIMPLICITY





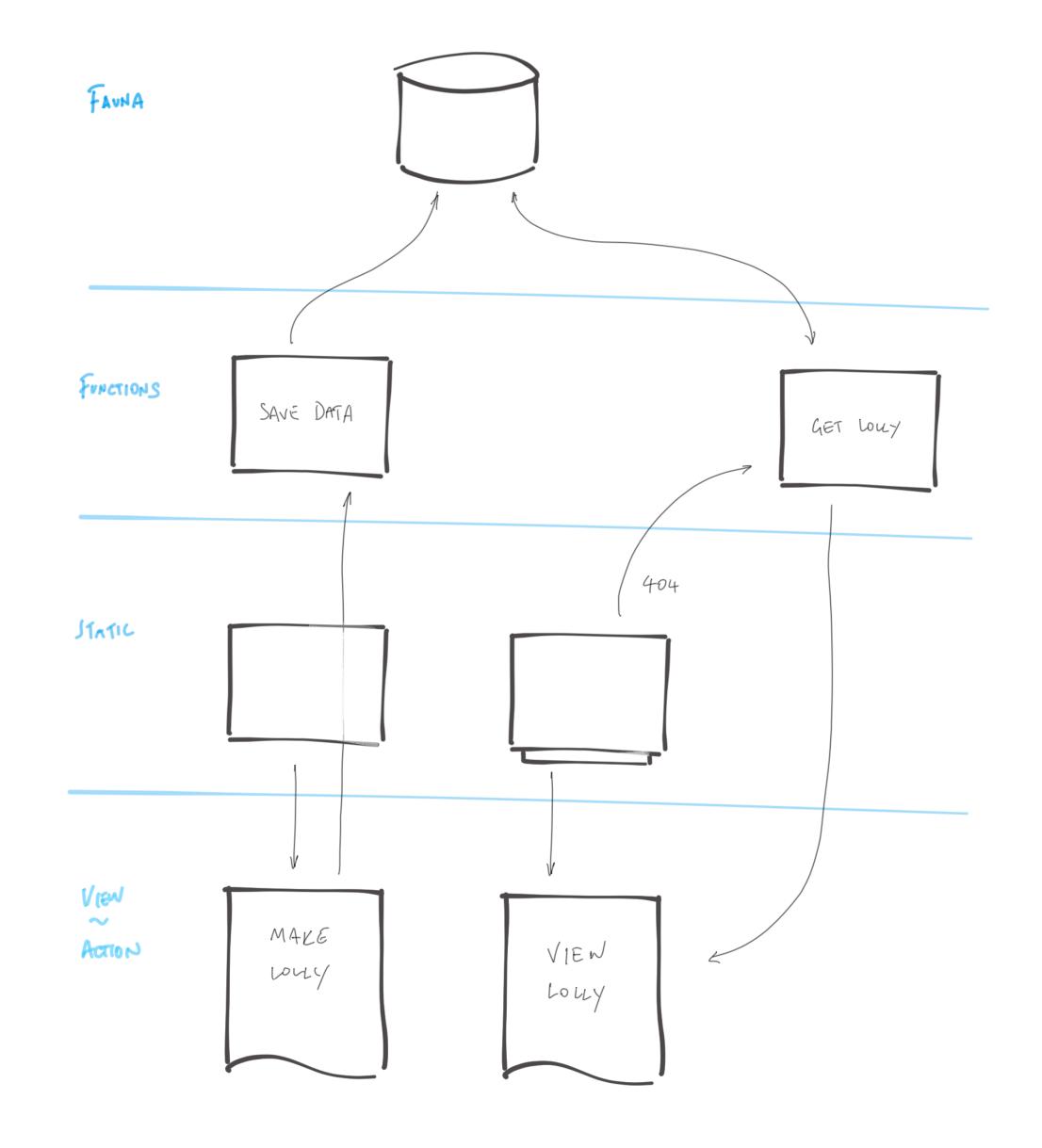
```
fetch('https://nice.api.com/things.json')
   .then(res ⇒ res.json())
   .then(json ⇒ console.log(json));
```

BUILDING ASISTEM can be HARD

SOFTWARE ENGINEER

TECHNICAL DIRECTOR DX ENGINEER

AND AND BOXES



WIEWING SITES "DOING" SITES

BUILDING WITH JAMSTACK WRANGLING APIS AND UIS

PHIL HAWKSWORTH

@PHILHAWKSWORTH

janustack

Fast and secure sites and apps delivered by pre-rendering files and serving them directly from a CDN, removing the requirement to manage or run web servers.



WIEWING SITES "DOING" SITES





ACCIONE FOR ALL DISCIPLINES





SEPARATION OF CONCERNS

janstack

MARKUP

JAVASCRIPT

API

AS MUCH AS POSSIBLE, GENERATED IN ADVANCE

USED AS A PROGRESSIVE ENHANCEMENT

IN THE BROWSER OR ELSEWHERE

API

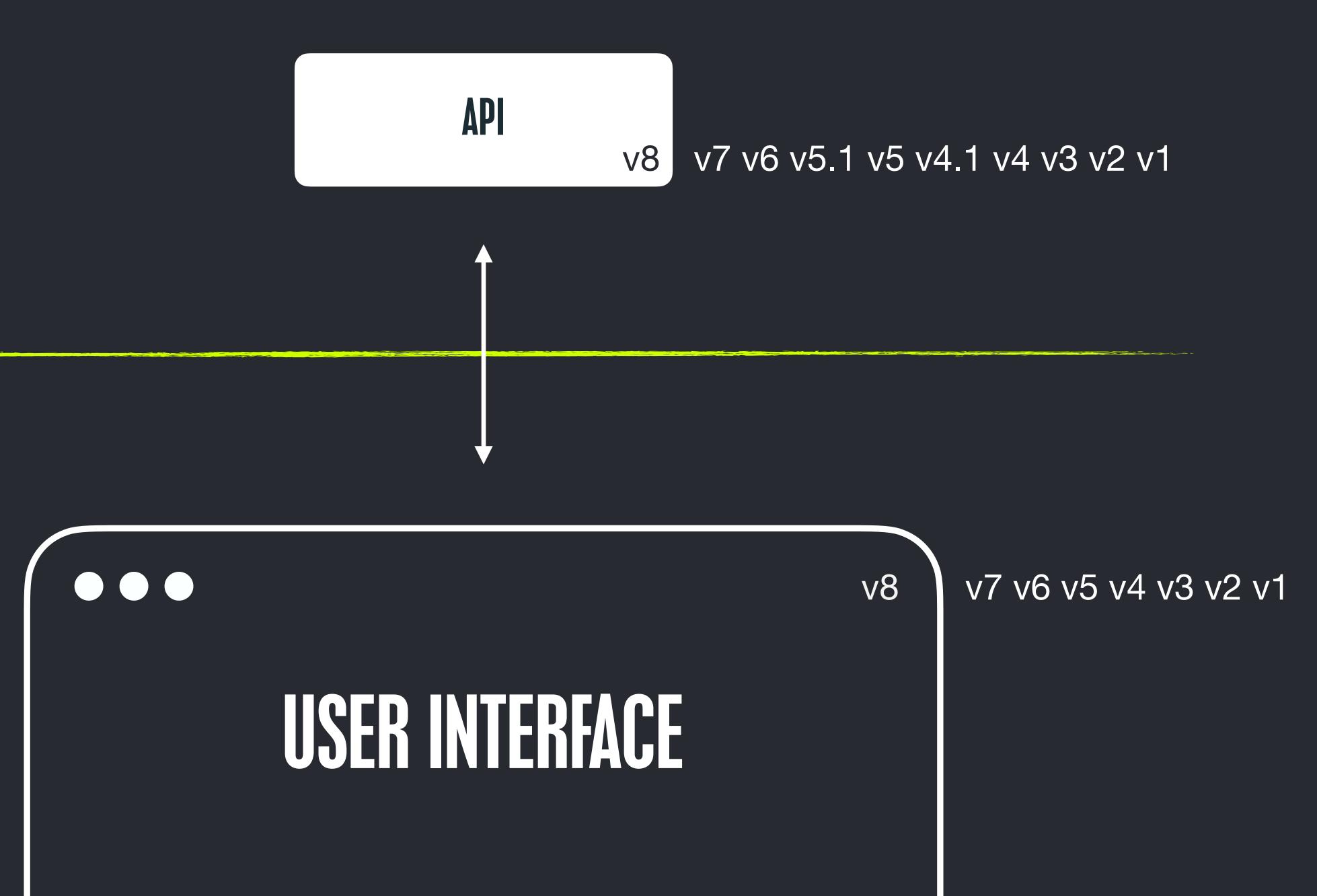


serverless jamstack

API



USER INTERFACE

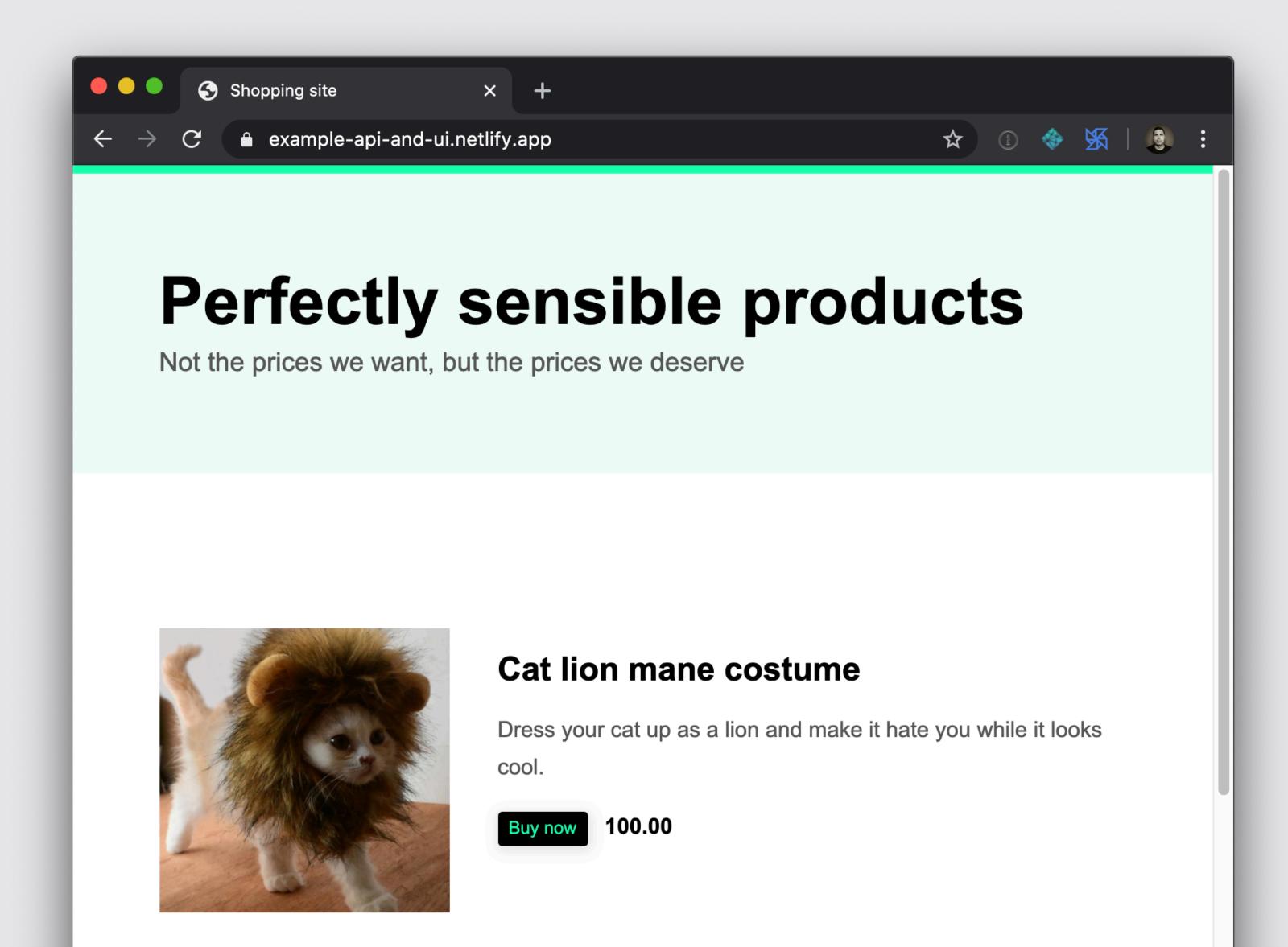


HOW ARE APIS AND UIS COUPLED /

URL / SIGNATURE / RESPONSE

EXAMPLE

FINDTHAT.AT/CATCOUTURE



```
"prod-cat-outfit-lion": {
  "name": "Cat lion mane costume",
 "rrp": "100.00",
 "image": "product-cat-lion.jpg",
 "description": "Dress your cat up as a lion and make
                  it hate you while it looks cool."
```



Jaunty cat pirate outfit

Dress your cat up as a pirate and make it hate you.

Just a few left! Buy now

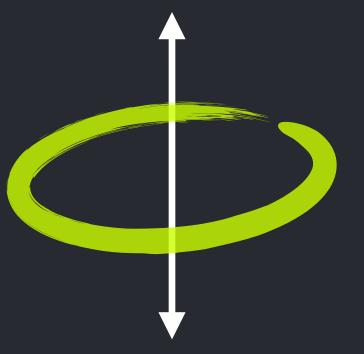
100.00



```
const productViews = document.querySelectorAll('.product');
productViews.forEach(element \Rightarrow \{
  fetch(`/api/stock/${element.dataset.productId}`)
     then(response \Rightarrow response.json())
    .then(data \Rightarrow \{
      // update the UI based on the
      // levels of available stock
```

CCUPLING — APIENDPOINT





USER INTERFACE



USER INTERFACE

```
[[redirects]]
  from = "/api/stock/:id"
  to = "/.netlify/functions/stock?productId=:id"
```

```
[[redirects]]
  from = "/api/stock/:id"
  to = "https://other.api.com/stock?productId=:id"
```

HOW ARE APIS AND UIS COUPLED /

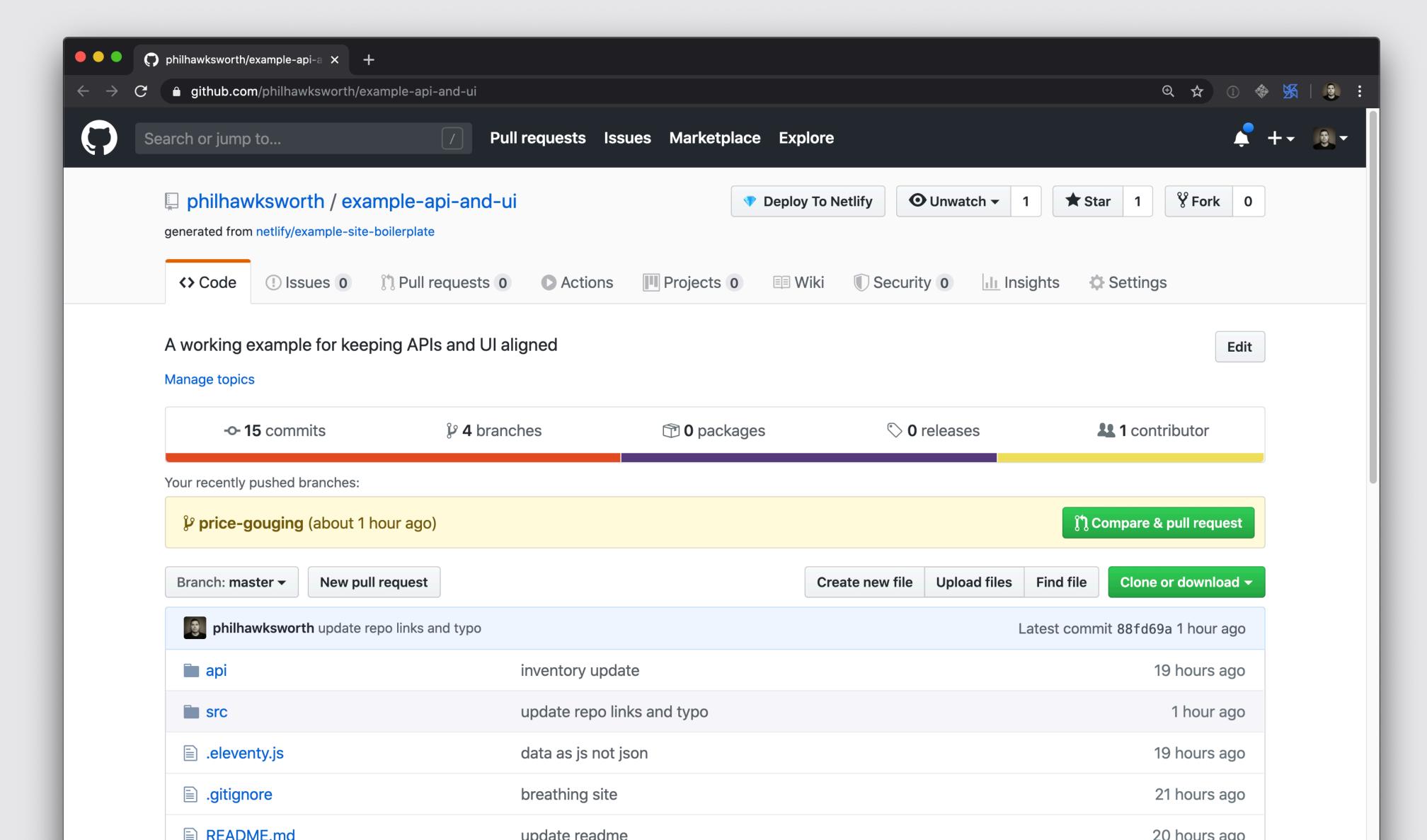
URL / SIGNATURE / RESPONSE

```
README.md
  api
      data
          catalogue.json
          inventory.json
      stock.js
  netlify.toml
  package.json
  src
      CSS
          style.css
      images
      index.njk
js
L shop.js
```

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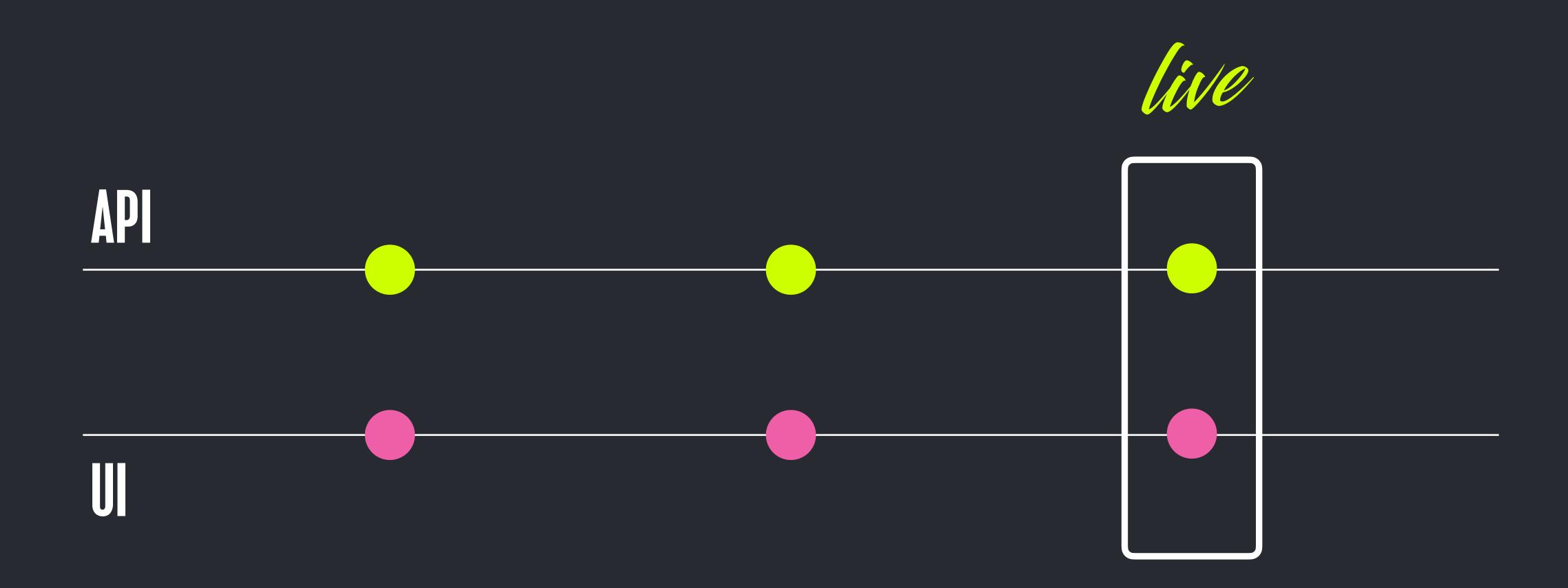
FINDTHAT.AT/CATCOUTURE/REPO

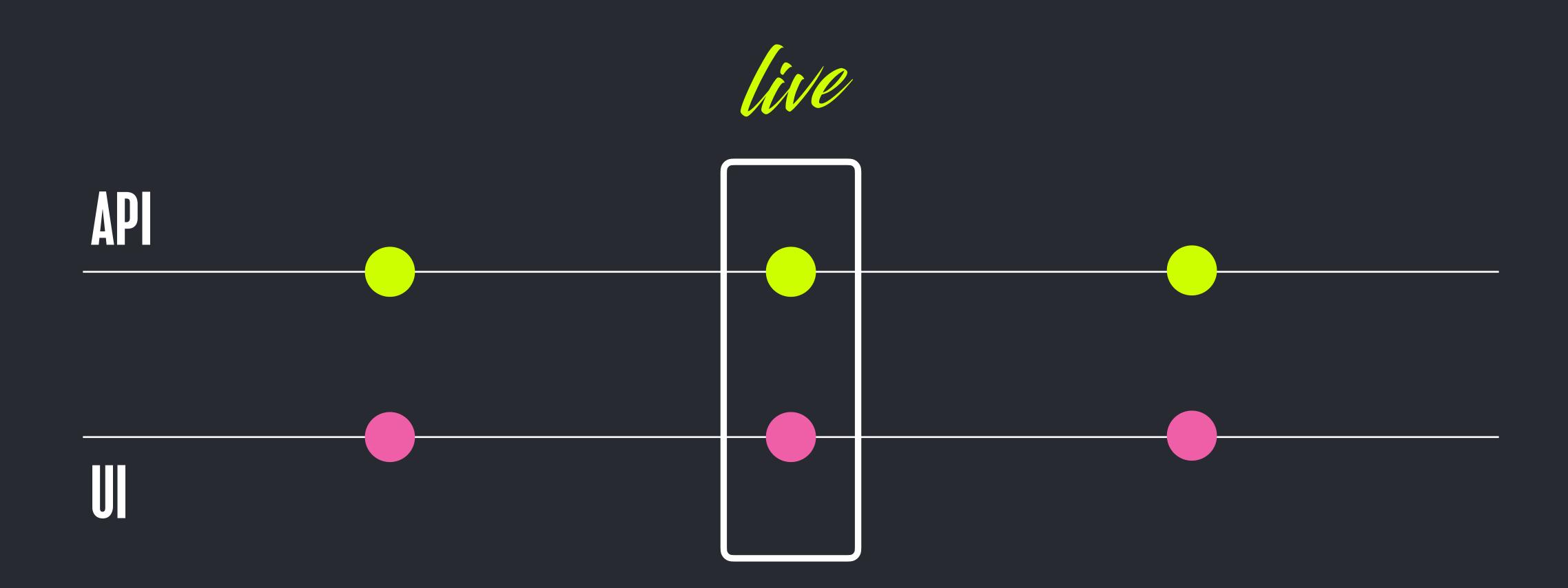


UMM... "PRICE GOUGING?"

SOME OF YOU, PERHAPS

ONE REPO ONE DEPLOYMENT





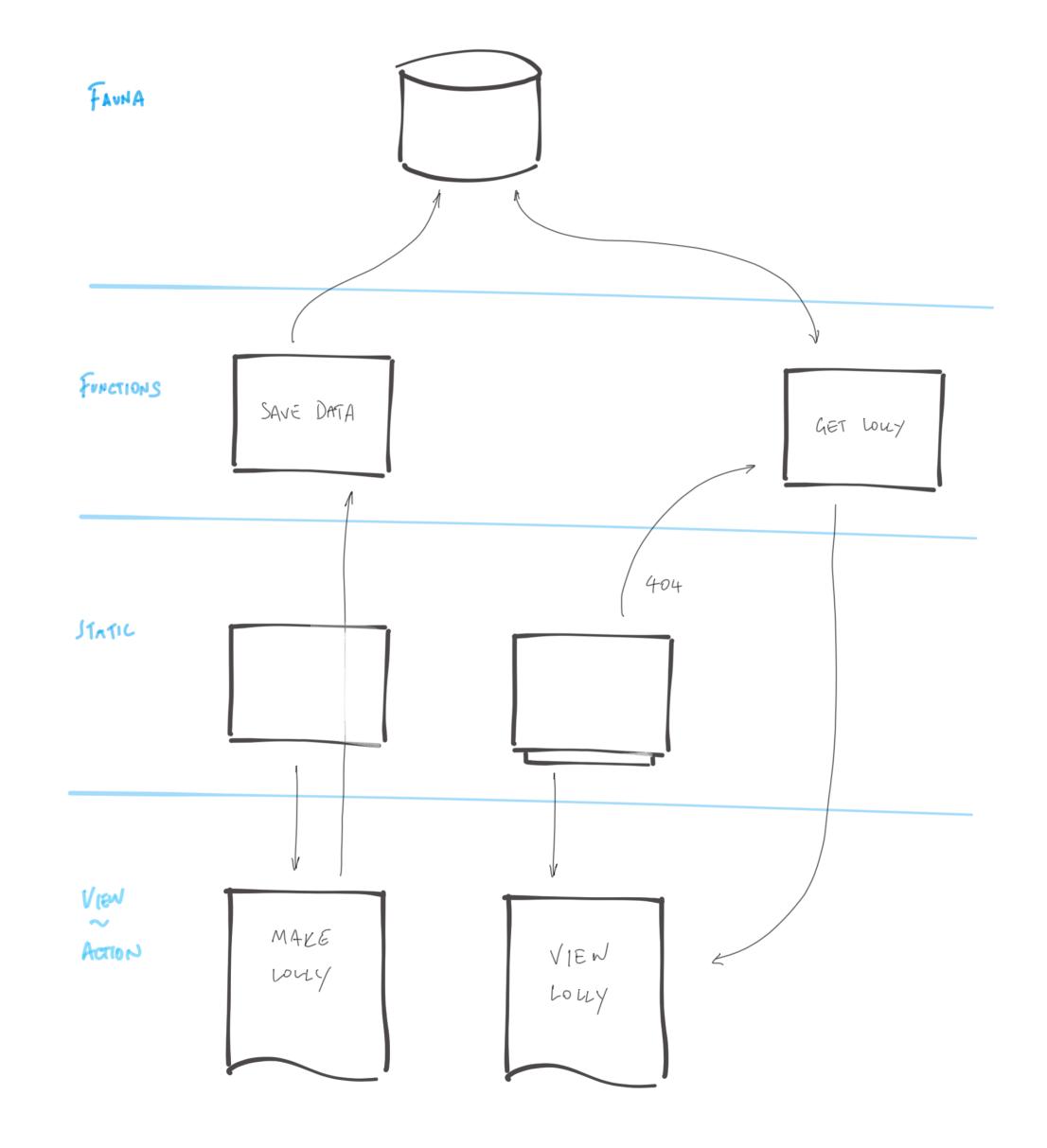
GIT WORKFLOWS ACROSS THE APPLICATION

HOW ARE APIS AND UIS COUPLED /

URL / SIGNATURE / RESPONSE

WRAPPING UP

AND AND BOXES



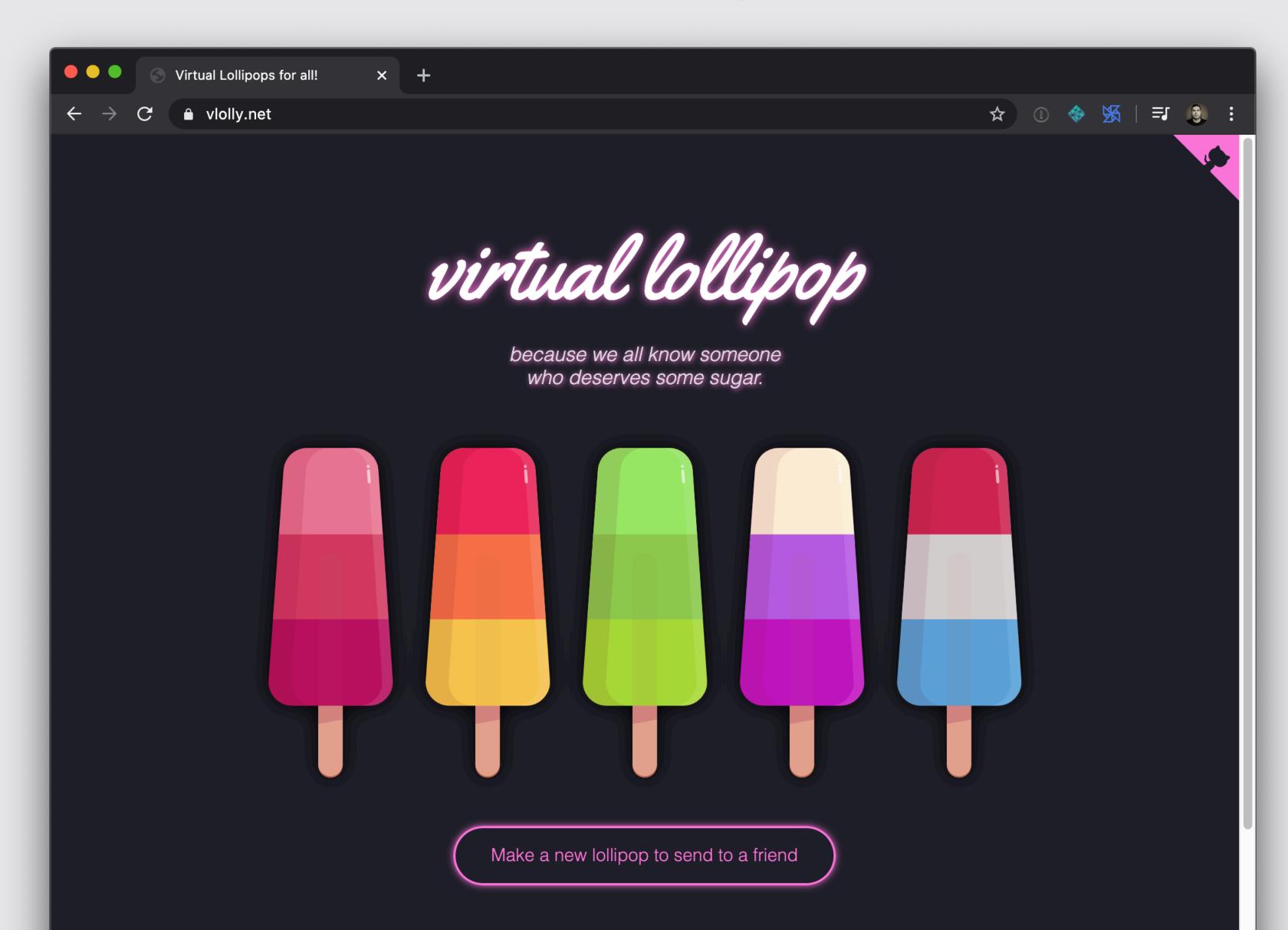
STATIC FIRST ENHANCING IF REQUIRED

KEEP COUPLING LOOSE

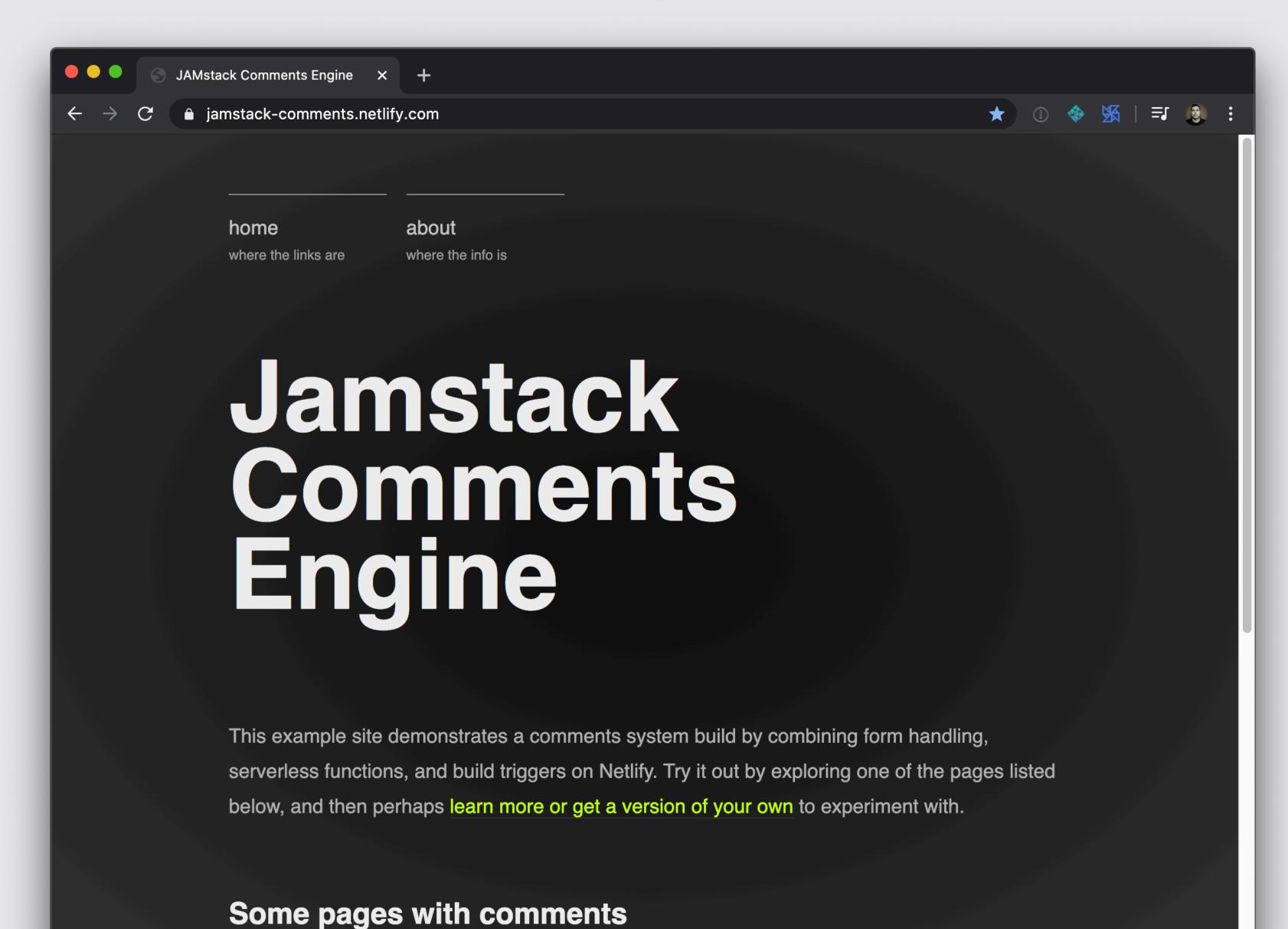
THE API ECONOMY IS BOOMING

JAMSTACK & SERVERLESS ARE BEST FRIENDS

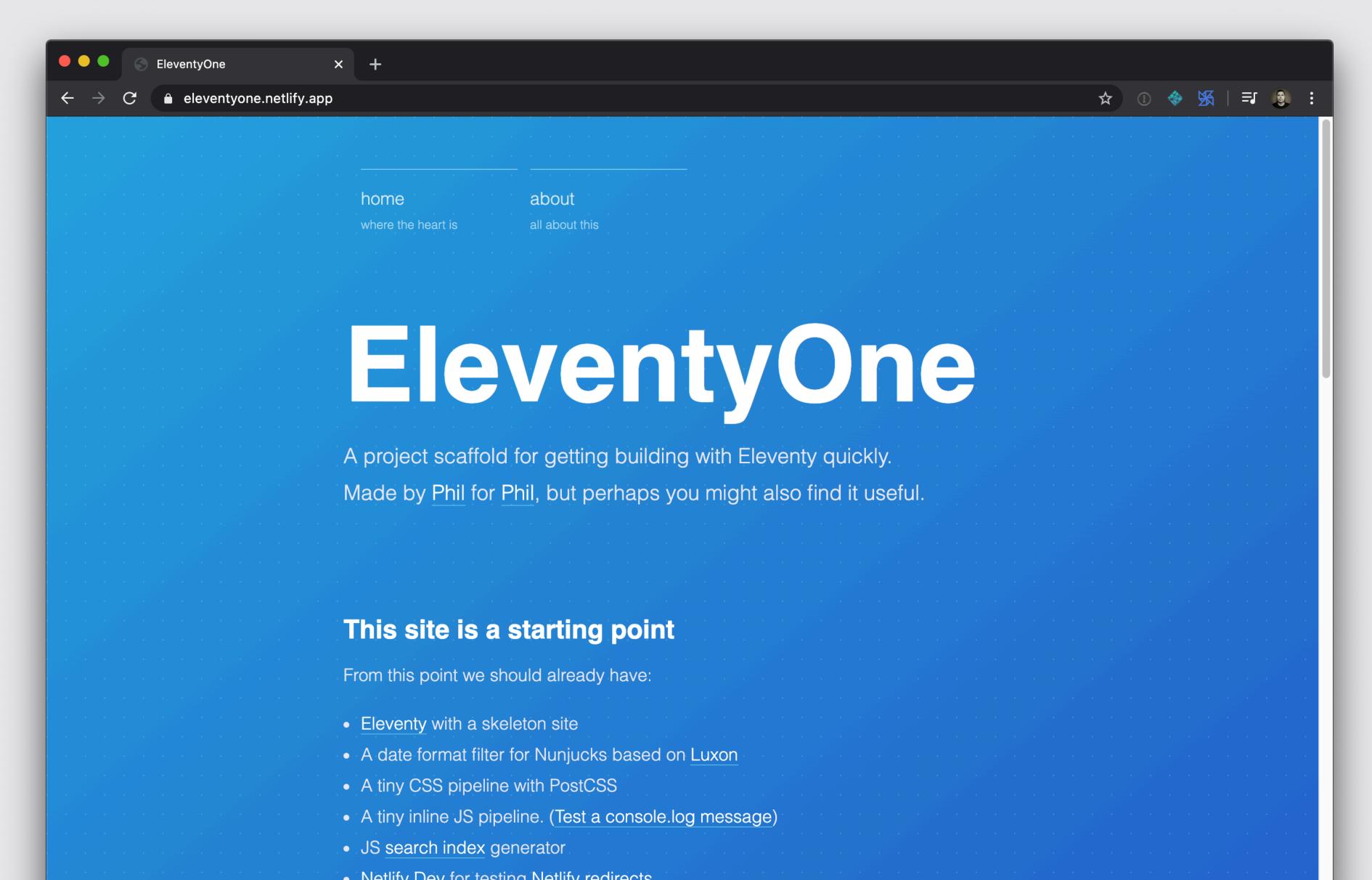
FINDTHAT.AT/LOLLY



FINDTHAT.AT/COMMENTS



FINDTHAT.AT/ELEVENTYONE



BOOK - MODERN WEB DEVELOPMENT ON THE JAMSTACK

findthat.at/jamstackbook

FREE CODE CAMP VIDEO

findthat.at/jamstack/fcc

JAMSTACK WHITEPAPER

findthat.at/jamstack-whitepaper

JAMSTACK COMMENTS EXAMPLE

findthat.at/comments

FINDTHAT.AT/SMASHINGJAM TT LLA A A A LLA S A LLA S THE SECOND TO THE S

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