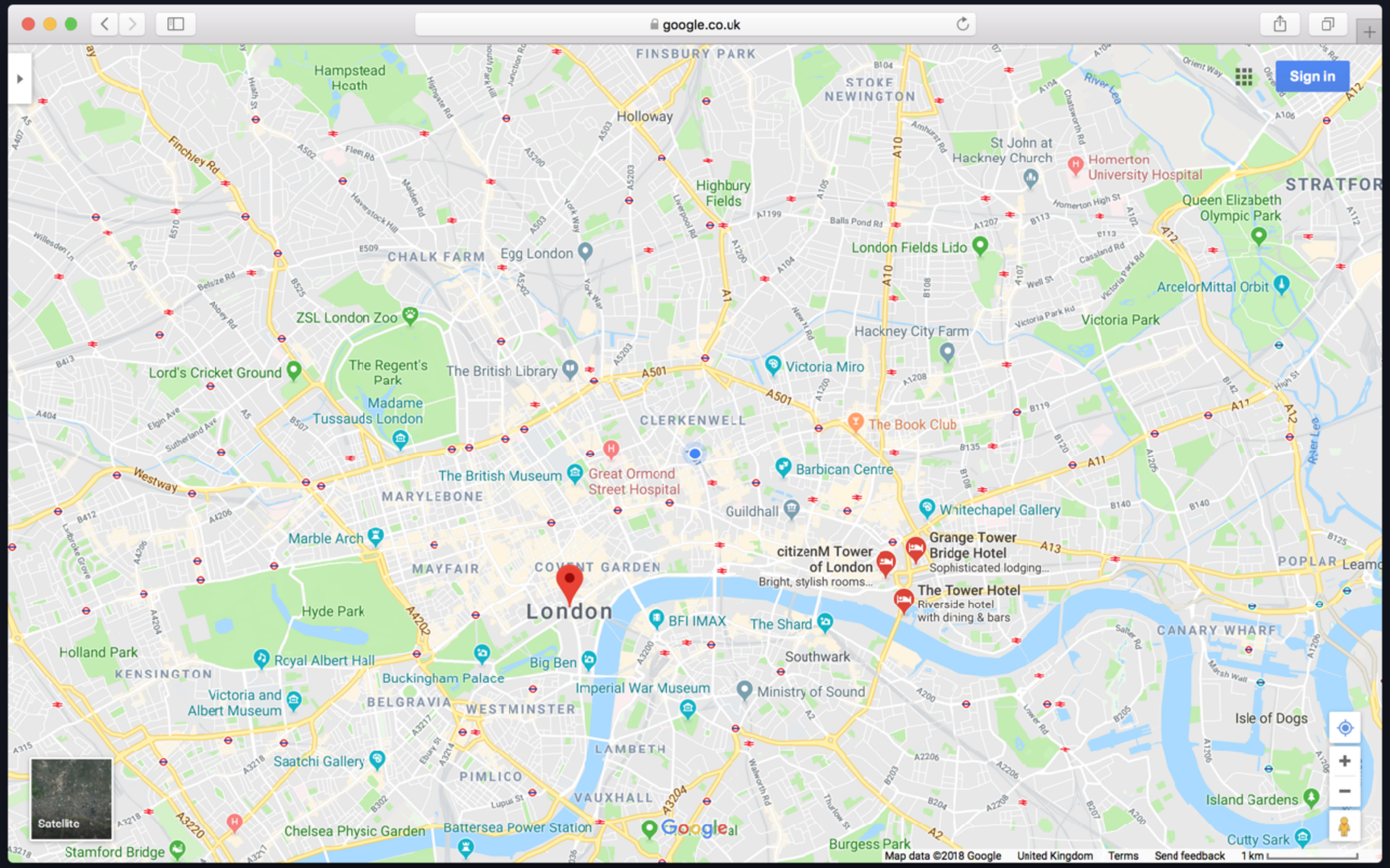
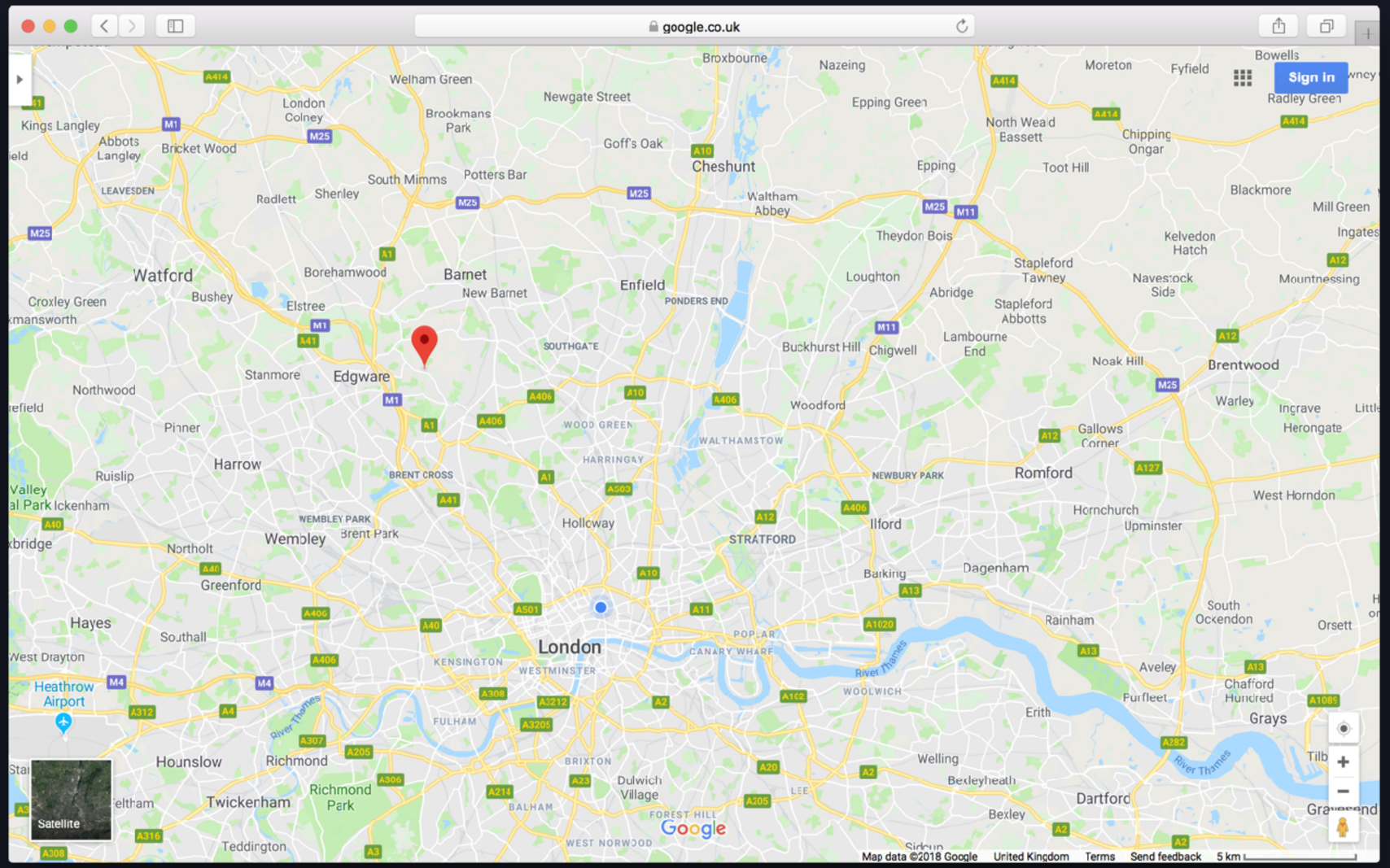

CSS is Hard
and how it relates
to an alley

A STORY

please pretend to care


google.co.uk
Sign in
FINSBURY PARK
Hampstead Heath
Holloway
STOKE NEWINGTON
St John at Hackney Church
Homerton University Hospital
Highbury Fields
Queen Elizabeth Olympic Park
London Fields Lido
CHALK FARM
Egg London
ZSL London Zoo
ArcelorMittal Orbit
Victoria Park
Hackney City Farm
Lord's Cricket Ground
The Regent's Park
The British Library
Victoria Miro
Madame Tussauds London
CLERKENWELL
The Book Club
The British Museum
Great Ormond Street Hospital
Barbican Centre
MARYLEBONE
Guildhall
Whitechapel Gallery
Marble Arch
Grange Tower Bridge Hotel
Sophisticated lodging...
citizenM Tower of London
Bright, stylish rooms...
MAYFAIR
COVENT GARDEN
The Tower Hotel
Riverside hotel with dining & bars
London
Hyde Park
BFI IMAX
The Shard
POPLAR
CANARY WHARF
Holland Park
Royal Albert Hall
Big Ben
Southwark
KENSINGTON
Buckingham Palace
Imperial War Museum
Ministry of Sound
Victoria and Albert Museum
BELGRAVIA
WESTMINSTER
Isle of Dogs
LAMBETH
Saatchi Gallery
PIMLICO
Island Gardens
VAUXHALL
Chelsea Physic Garden
Battersea Power Station
Cutty Sark
Stamford Bridge
Burgess Park
Satellite
Map data ©2018 Google
United Kingdom
Terms
Send feedback
1 km


google.co.uk
Sign in
London
Watford
Barnet
Enfield
Edgware
Harrow
Wembley
Hounslow
Richmond
Twickenham
Heathrow Airport
Romford
Ilford
Dartford
Grays
Brentwood
Satellite
Google
Map data ©2018 Google
United Kingdom
Terms
Send feedback
5 km


google.co.uk
Downhurst Ave
Edgware, England
Google, Inc.
Street View - Jun 2015
Expand
Google
Image capture: Jun 2015 © 2013 Google United Kingdom Terms Report a problem

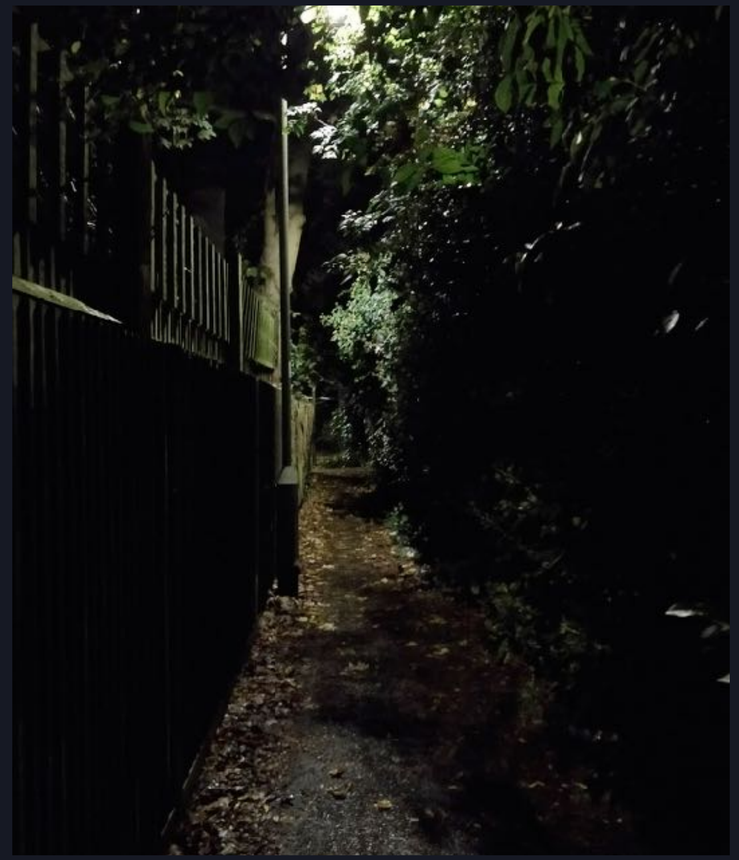
THERE WAS ANOTHER WAY

It just took 5 more minutes of walking

BUT APPARENTLY I PREFER TO LIVE IN FEAR OF BEING STABBED THAN WALK

THE SAME WITH CSS

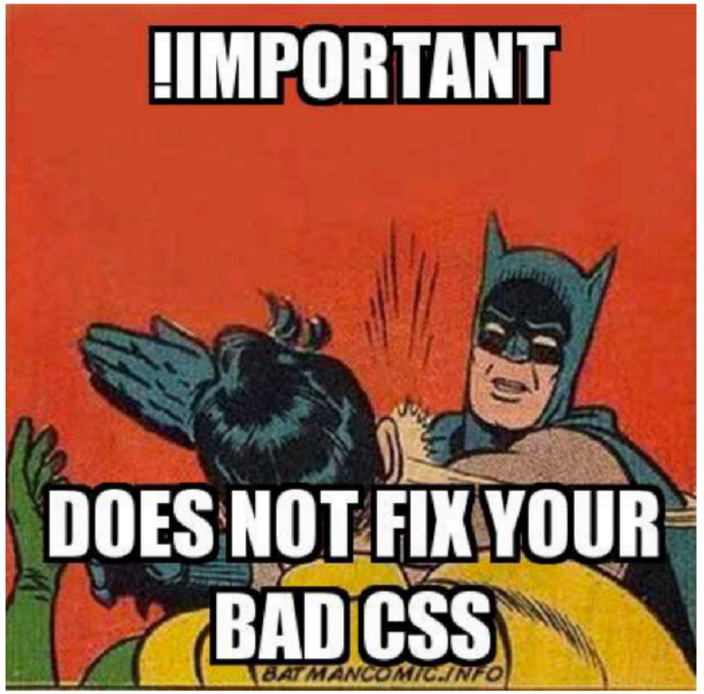
We can ship all our sites without any CSS at all but we would rather enter the alley and maybe get stabbed by position and z-index



CSS IS HARD!

Otis Wright Follow
Front end developer, Workflow enthusiast, Recreational fisherman. http://otiswright.nz/
Nov 8, 2016 · 5 min read

If CSS is so easy why does everyone suck?



YOU CAN MAKE AMAZING THINGS WITH CSS

lingscars.com

I live inside my car leasing website all day Monday to Friday 9am–6pm. I lease the cheapest PCP and contract hire cars in the UK! – I am Ling, accept no substitutes

LINGsCARS.com

Leader of the Pack – Guardian. UK fav car leasing co from Newcastle!

Contract hire cars from Ling Valentine, LINGsCARS is the UK's favourite car leasing website – On 2016 I leased over £85 million in cars! (RRP)

I AM LING YOU CAN TRUST ME

Menu

- Home
- Cars
- Customers
- About Ling
- Fun stuff
- Free stuff
- Live staff

CARS A-Z

ABARTH

WIN A LINGsCARS WAH! MUG

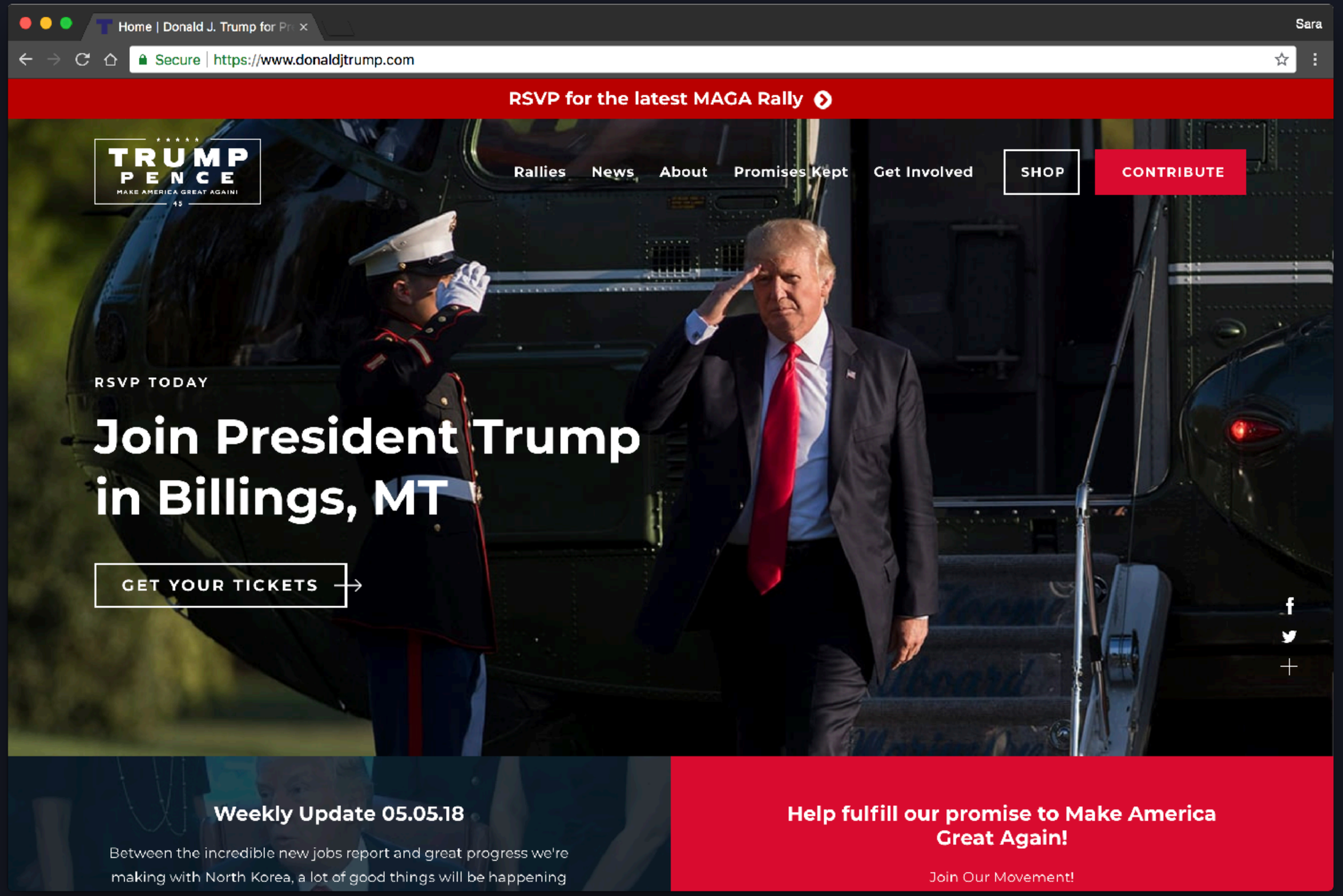
PLAY NOW!

CLICK HERE!

"GUESS THE CAR"

WIN!

BUT YOU CAN ALSO MAKE HORRIBLE THINGS


Home | Donald J. Trump for Pr
Sara
Secure | https://www.donaldjtrump.com
RSVP for the latest MAGA Rally
TRUMP PENCE
MAKE AMERICA GREAT AGAIN!
45
Rallies
News
About
Promises Kept
Get Involved
SHOP
CONTRIBUTE
RSVP TODAY
Join President Trump in Billings, MT
GET YOUR TICKETS
Weekly Update 05.05.18
Between the incredible new jobs report and great progress we're making with North Korea, a lot of good things will be happening
Help fulfill our promise to Make America Great Again!
Join Our Movement!

LET'S WALK THE ALLEY TOGETHER

We gonna be fine … Maybe

MY NAME IS SARA

THE DARK AND LONELY ROAD TO STYLING IN REACT

@NIkkitaFTW

Developer Advocate at YLD

please y'all need to watch troll 2

Really into shitty movies

Really into football

CSS

```
.css {
  margin-top:-2px
}
```

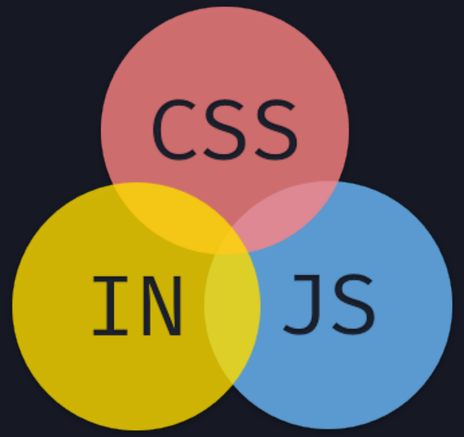
```
.preprocessors {
  .sass {
    &.less {
      .stylus {
        z-index: 9999!important;
      }
    }

  }
}
```

```
.page:before {
  content: 'KFC'
}
```

CSS MODULES

```
export default () => (
    <div className={styles.page}>
        Chicken Shortage
    </div>
)
```




.css {
margin-top:-2px
}
CSS

HOW?

LINK TAGS

```
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,initial-scale=1">
  <title>LOOK AT ME</title>
  <link href="/static/styles.css" rel="stylesheet">
</head>

<body>
  <div id="root"></div>
</body>
</html>
```

#NEVERFORGET

NEVER FORGET THAT 1500 LINES CSS FILE

BEM

THE IDEA

```
.article {} /* block */
.article__text {} /* element */
.article__title {} /* element */
.article__text--large {} /* modifier */
```

THE REALITY

```
.shoping__btn--disabled--primary--large--has-icon--i-ran-out-of-classes:before {
  content: "Wat ?"
}
```

PROS

- Easy to set up
- Framework/Library agnostic
- Fixes some specificity problems
- Rigid Structure

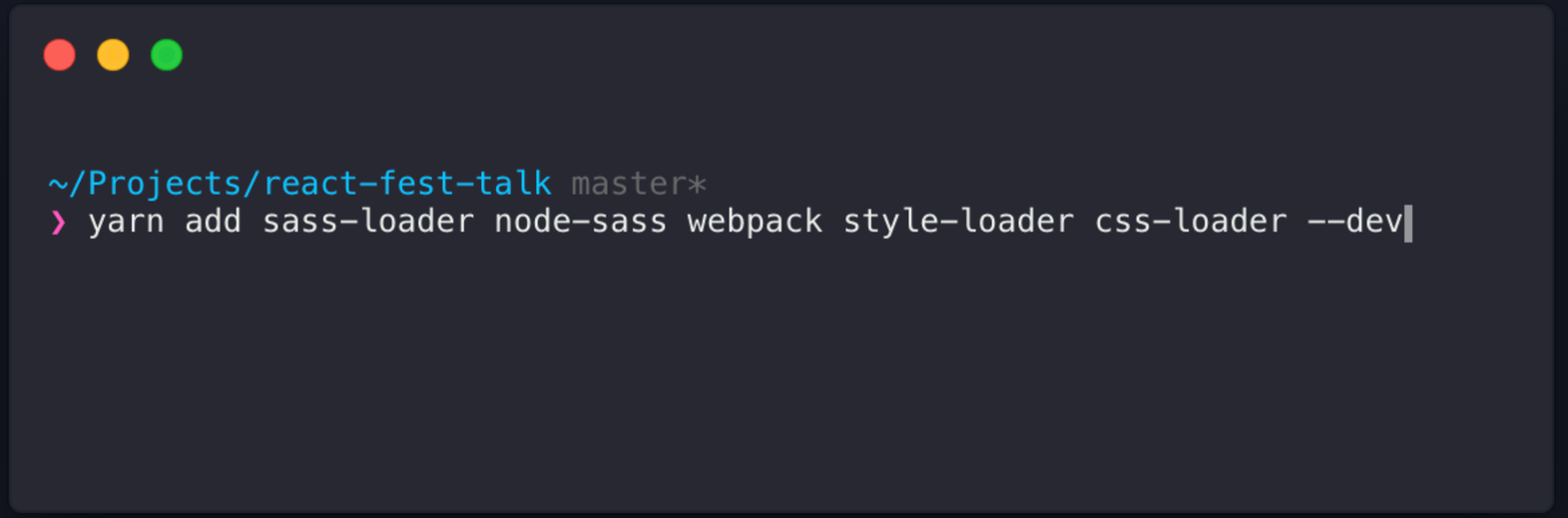
CONS

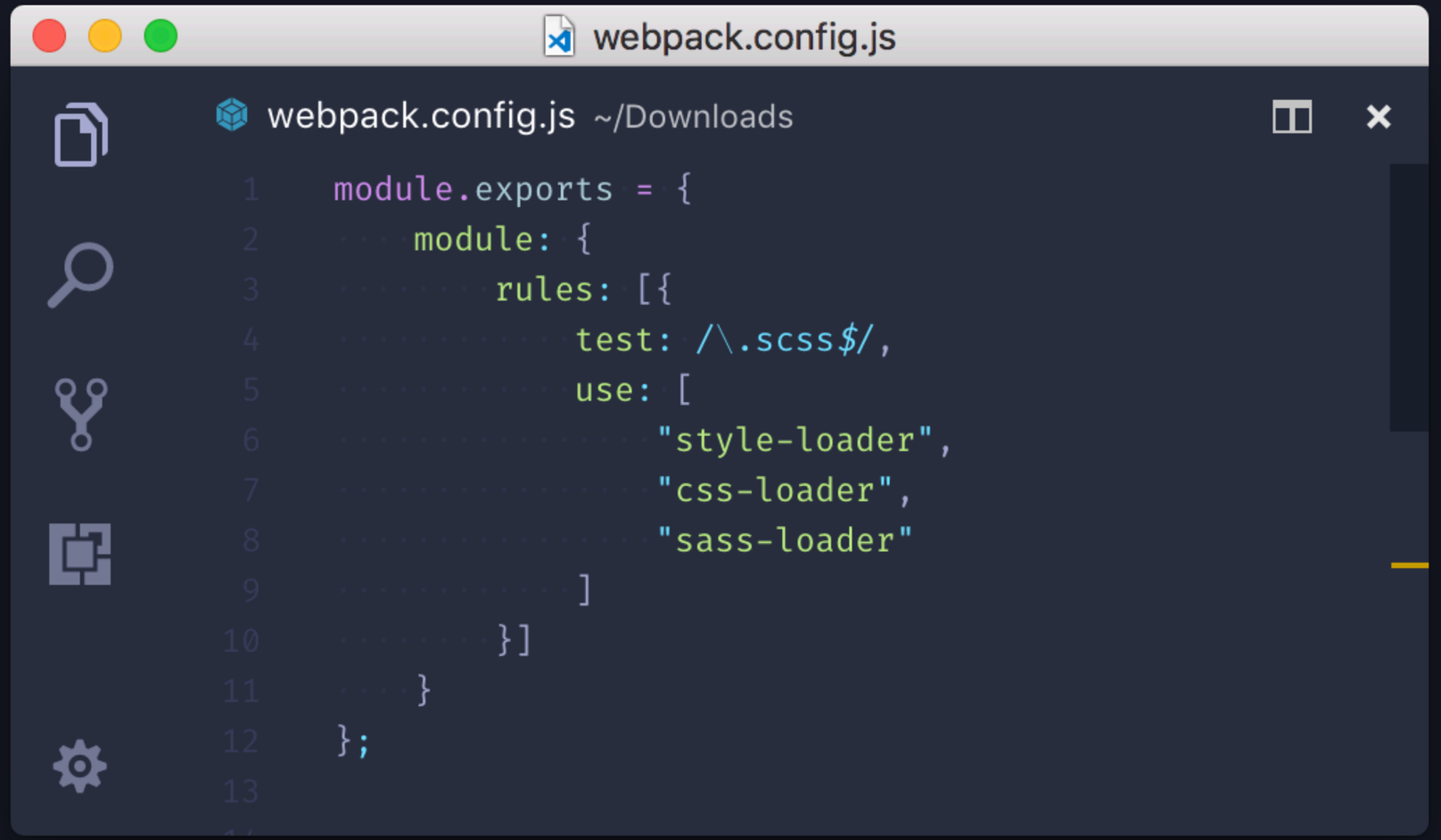
- Naming is hard
- REALLY FUCKING HARD
- I can’t memorise all those rules fam…
- We deserve better

```
.preprocessors {
   .sass {
      &.less {
         .stylus {
            z-index: 9999!important;
         }
      }

   }
}
```

HOW?


~/Projects/react-fest-talk master*
❯ yarn add sass-loader node-sass webpack style-loader css-loader --dev


webpack.config.js
webpack.config.js ~/Downloads
module.exports = {
module: {
rules: [{
test: /\.scss$/,
use: [
"style-loader",
"css-loader",
"sass-loader"
]
}]
}
};

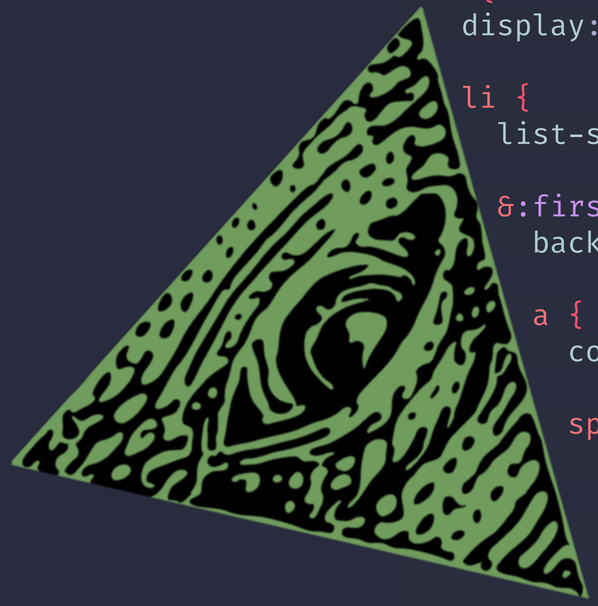
THE IDEA

```
section {
  display: block;

  ul {
    display: flex;

    li {
      list-style: none;
    }
  }
}
```

THE REALITY



```
section {
  display: block;

  ul {
    display: flex;

    li {
      list-style: none;

      &:first-child {
        background: red;

        a {
          color: blue;

          span {
            text-decoration: none;

            &:after {
              content: 'What'
            }
          }
        }
      }
    }
  }
}
```

PROS

- Nesting is dope
- Also are variables
- Server side renderer after webpack does his thing
- Combine with BEM for super dopeness

CONS

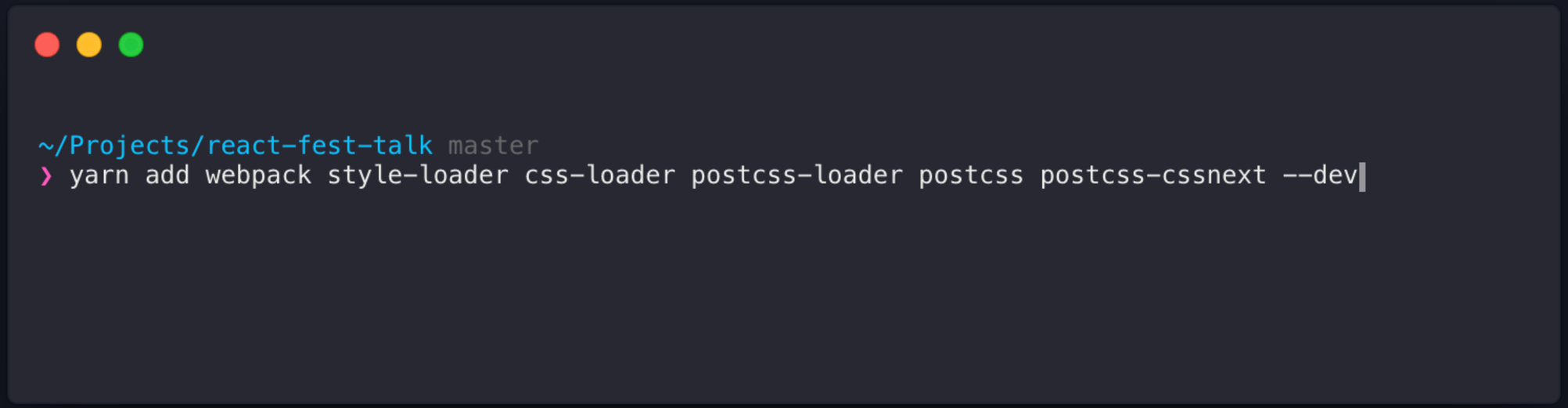
- More dependencies to handle
- It’s hard for library authoring
- Not componetized by default
- No JS magic in your CSS

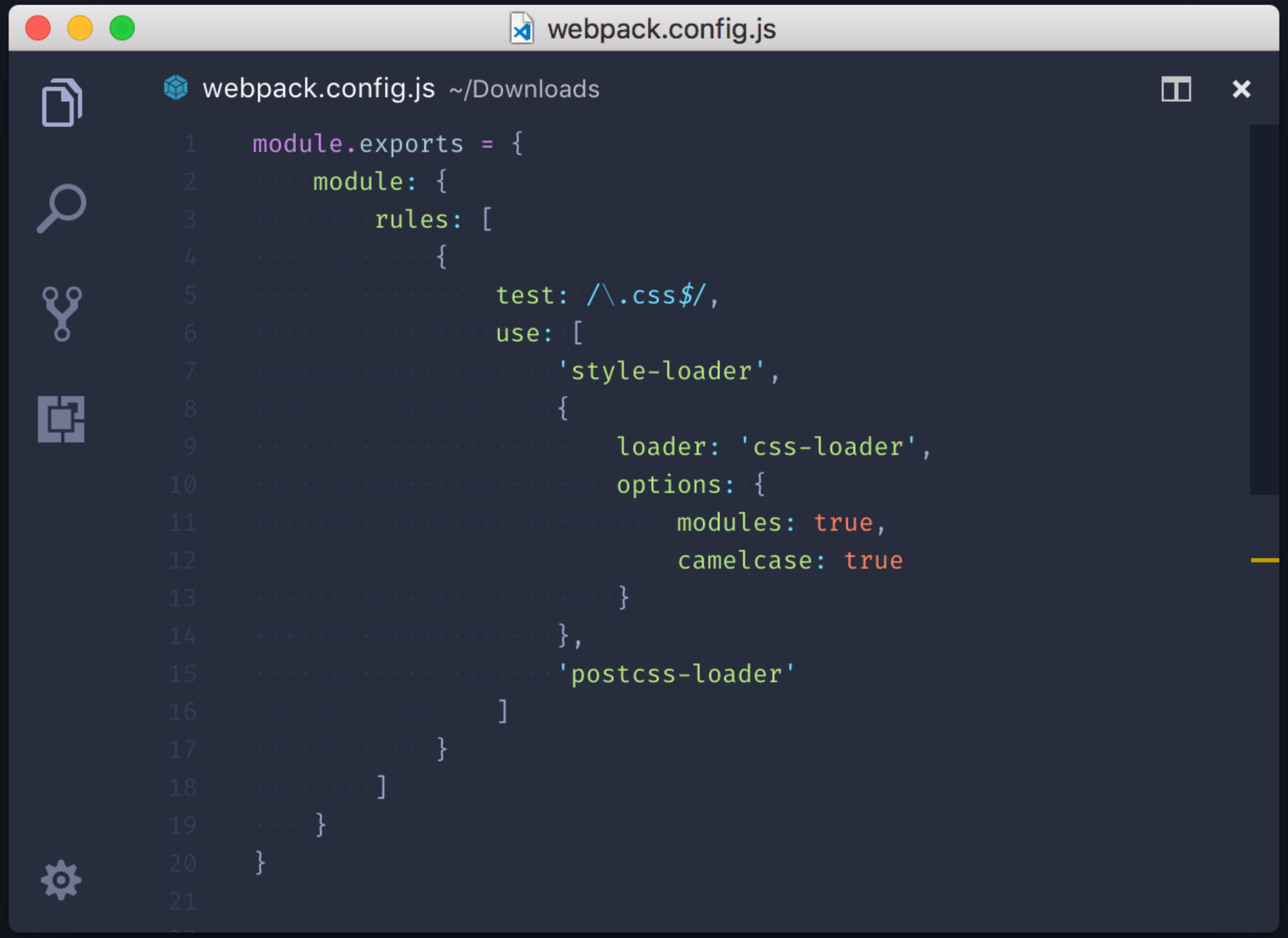
```
.page:before {
  content: ‘KFC’
}
```

CSS MODULES

```
export default () => (
    <div className={styles.page}>
        Chicken Shortage
    </div>
)
```

HOW?


~/Projects/react-fest-talk master
❯ yarn add webpack style-loader css-loader postcss-loader postcss postcss-cssnext --dev


webpack.config.js
webpack.config.js ~/Downloads
module.exports = {
module: {
rules: [
{
test: /\.css$/,
use: [
'style-loader',
{
loader: 'css-loader',
options: {
modules: true,
camelcase: true
}
},
'postcss-loader'
]
}
]
}
}

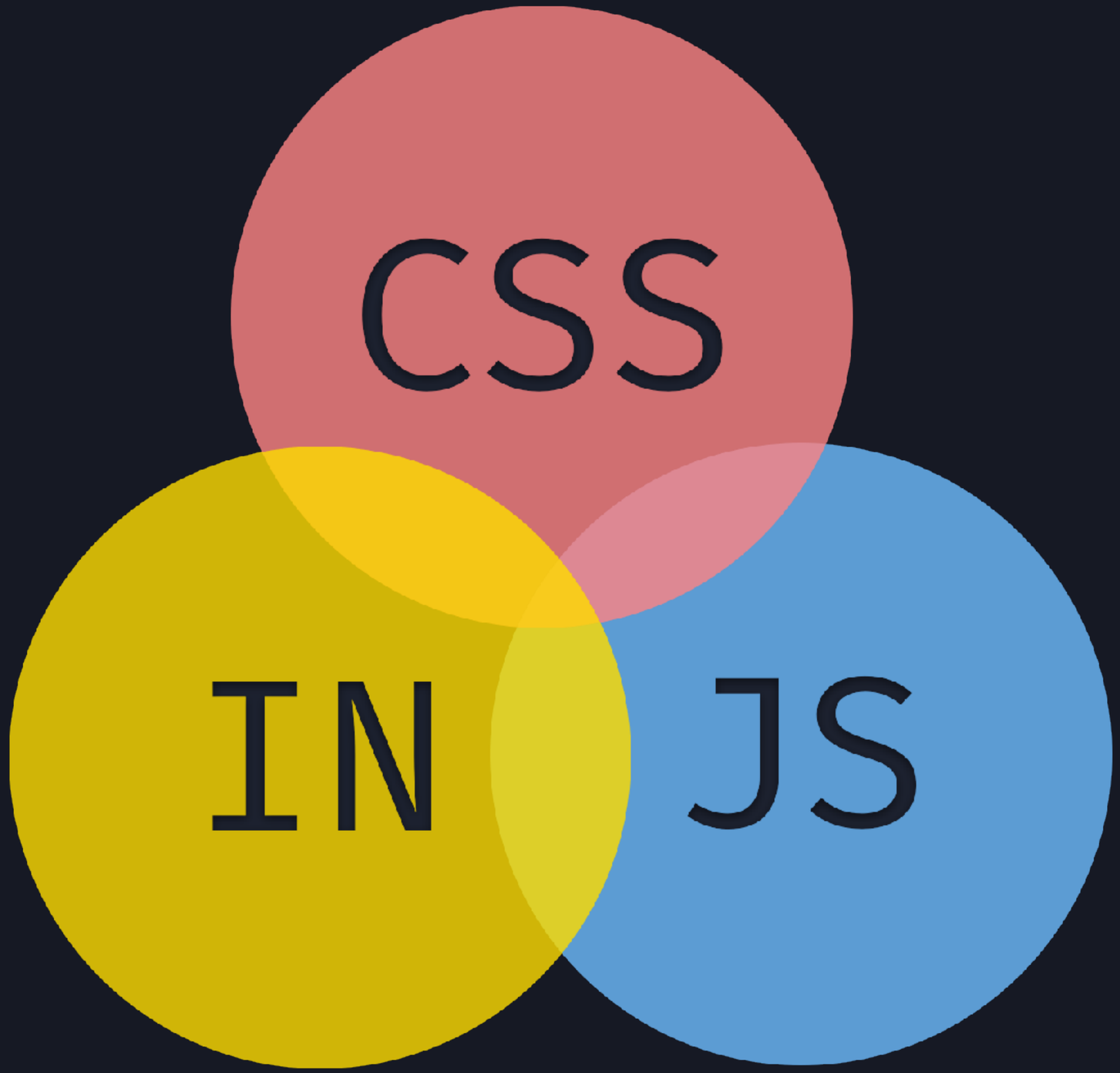

postcss.config.js
JS postcss.config.js ~/Downloads
module.exports = {
plugins: {
'postcss-cssnext': {}
}
}

PROS

- Use all the new CSS things
- Variables and nesting are still dope
- Server side renderer after webpack does his thing
- More component based so it’s more maintainable
- Pretty sweet honestly

CONS

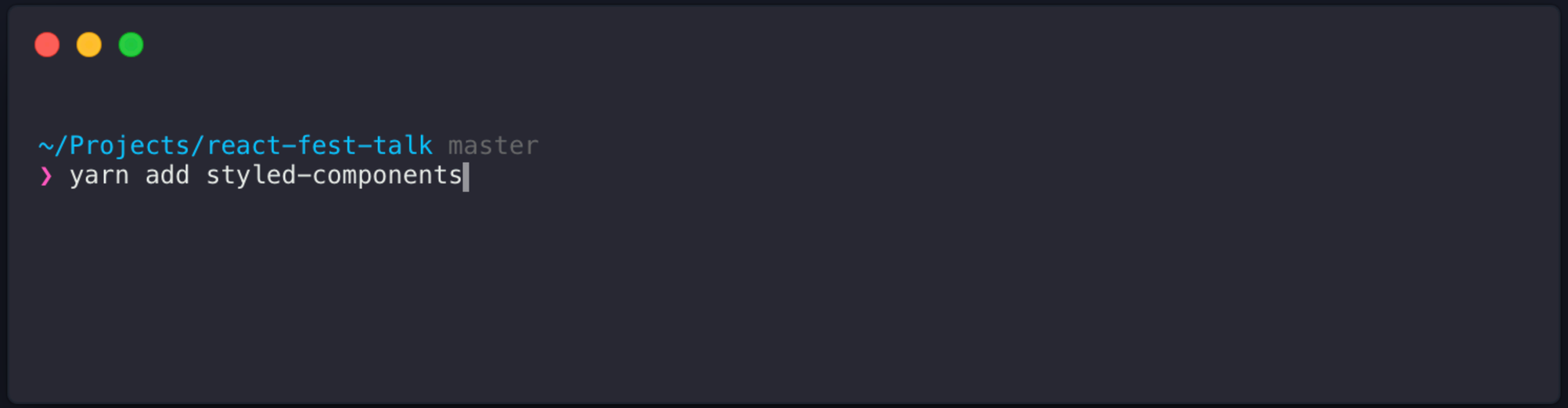
- Unreadable class names
- More dependencies again
- Needs to be paired with postCSS or Pre Processors for a good experience
- You can abuse global class names

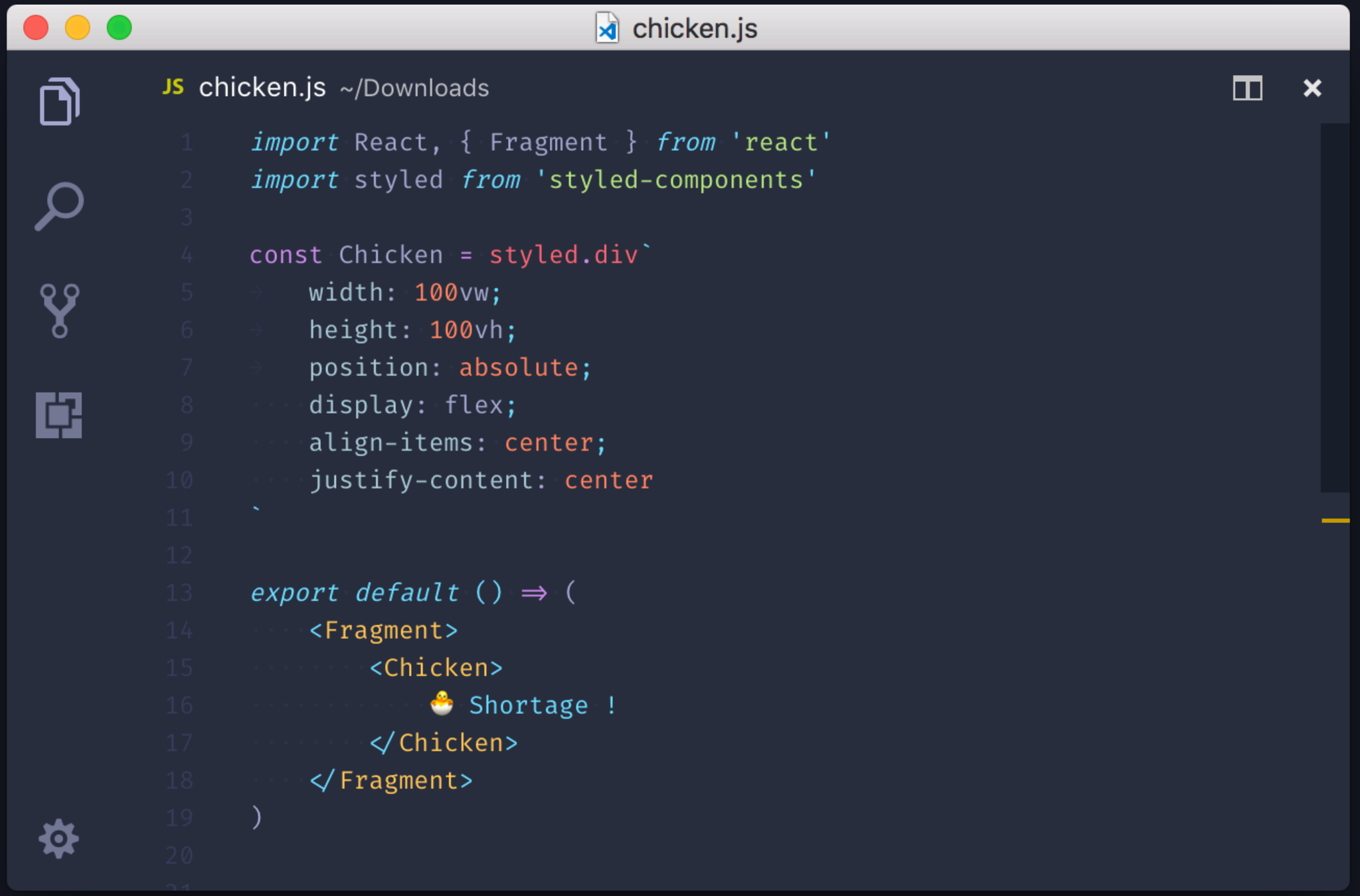

CSS
IN
JS

I WILL FOCUS ON STYLED-COMPONENTS

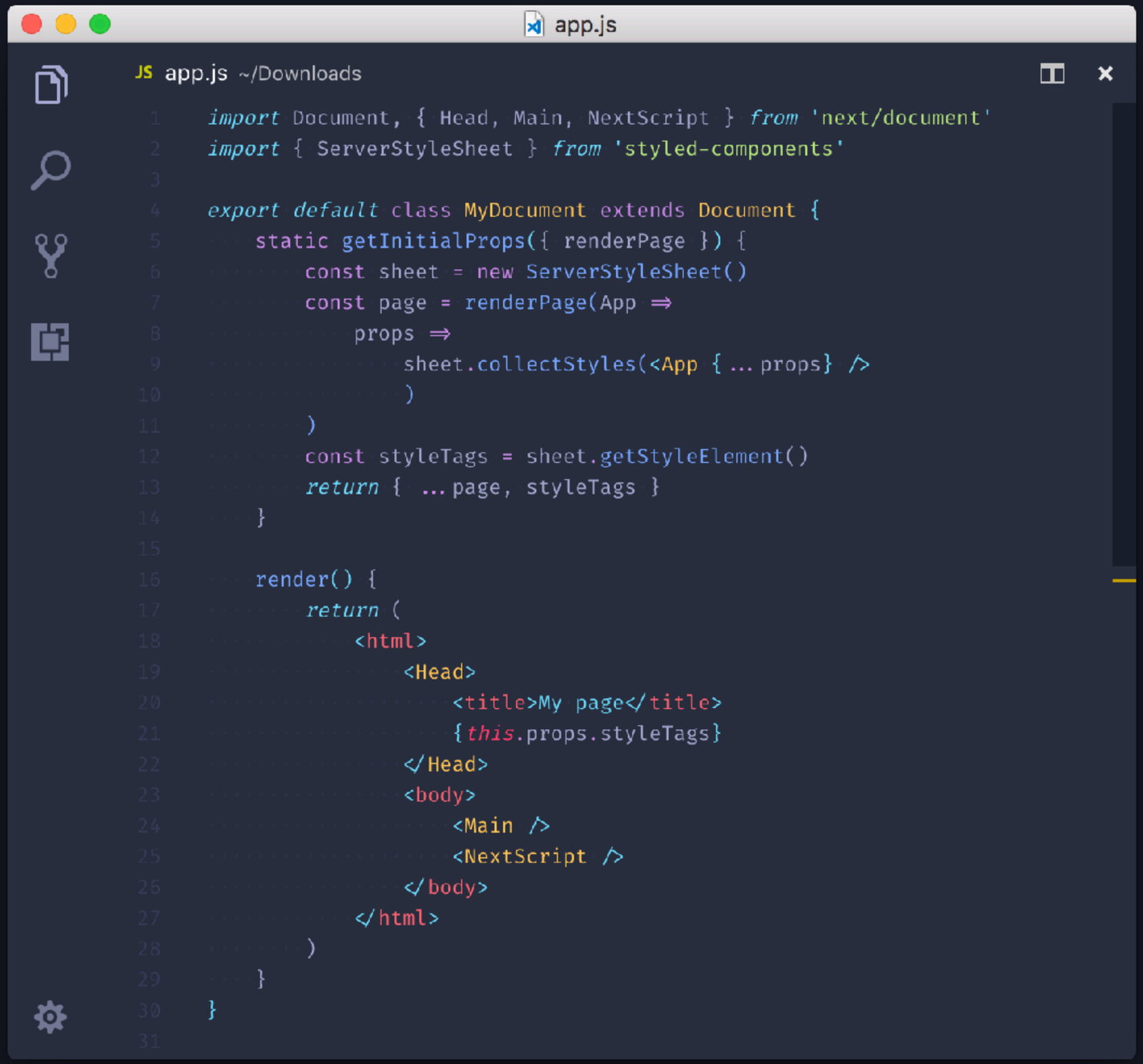
It's the one library I am most familiar with but there are many more options

HOW?


~/Projects/react-fest-talk master
❯ yarn add styled-components


chicken.js
JS chicken.js ~/Downloads
import React, { Fragment } from 'react'
import styled from 'styled-components'
const Chicken = styled.div`
width: 100vw;
height: 100vh;
position: absolute;
display: flex;
align-items: center;
justify-content: center
`
export default () => (
<Fragment>
<Chicken>
Shortage !
</Chicken>
</Fragment>
)

SERVER SIDE RENDERING?


app.js
app.js ~/Downloads
import Document, { Head, Main, NextScript } from 'next/document'
import { ServerStyleSheet } from 'styled-components'
export default class MyDocument extends Document {
static getInitialProps({ renderPage }) {
const sheet = new ServerStyleSheet()
const page = renderPage(App =>
props =>
sheet.collectStyles(<App {...props} />
)
)
const styleTags = sheet.getStyleElement()
return { ...page, styleTags }
}
render() {
return (
<html>
<Head>
<title>My page</title>
{this.props.styleTags}
</Head>
<body>
<Main />
<NextScript />
</body>
</html>
)
}
}

PROS

- Conditionals in CSS ! #TheDream
- Theming is super easy
- No more specificity problems
- Autoprefix ALL the things
- Naming things is not so hard anymore

CONS

- It forces you think about CSS in a different way which may take longer for you to start feeling comfortable
- Another thing to teach everyone
- Depending on the CSS-in-JS library you may have to use object based CSS
- If your app is SSR and your styles are not you will see a flash of unstyled content

NO ONE IS WRONG

NO ONE IS RIGHT

IT ALL DEPENDS ON WHAT IT'S USED FOR

USE WHAT MAKES YOU CODE FASTER AND BETTER

LET'S BRING GEOCITIES BACK !


THANK YOU 🇪🇸
https://dark-css.now.sh/