

PUT DOWN THE JAVASCRIPT

Level Up with the Fundamentals of
Web Development

PUSH START

@colbyfayock

Colby Fayock

Lead UX & Front End Engineer

Element	84
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@colbyfayock





Mark



Luke



Mark

Bootcamp A

4 week crash course

Become a Javascript ninja

Hot and popular libraries and frameworks like React & Redux



Luke



Bootcamp B

8 week intensive course

Build a website from scratch
with HTML and CSS

Learn about how Javascript
works and using it to make your
website dynamic

1up, Inc

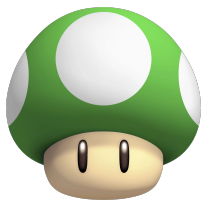


Jr Front End Dev

Work with the engineering team to create and maintain websites

Technologies: HTML, CSS, JS, React, Redux, CSS-in-JS

Experience: 1+ years



1up, Inc

About Services



We 1up the competition

We at 1up, Inc care deeply about our customer's needs. We guarantee satisfaction with all of our ups.

Mark



Solution A

Bootstrap a new app

Use React as the framework

CSS-in-JS for styling

Luke



Solution B

Create an HTML file

Put together the page with HTML

Style everything with CSS

Solution A

Mark



Solution B

Luke



1up, Inc



1up, Inc

[About](#) [Services](#)



We 1up the competition

We at 1up, Inc care deeply about our customer's needs. We guarantee satisfaction with all of our ups.

```
→ my-test-app npm install react
```

```
npm WARN saveError ENOENT: no such file or directory, open '/Users/colby/package.json'
```

```
npm WARN enoent ENOENT: no such file or directory, open '/Users/colby/package.json'
```


→ my-test-app npm install react

npm WARN saveError ENOENT: no such file or directory, open '/Users/colby/package.json'

```
10 <div id="root"></div>
11
12 <script src="https://unpkg.com/react@16/umd/react.development.js" crossorigin></script>
13 <script src="https://unpkg.com/react-dom@16/umd/react-dom.development.js" crossorigin></script>
14 <script>
15   const MyApp = () => {
16     return (
17       <div>
18         Hello world!
19       </div>
20     );
21   }
22   const domContainer = document.querySelector('#root');
23   ReactDOM.render(MyApp, domContainer);
24 </script>
```

→ my-test-app npm install react

npm WARN saveError ENOENT: no such file or directory, open '/Users/colby/package.json'

```
10 <div id="root"></div>
11
12 <script src="https://unpkg.com/react@16/umd/react.development.js" crossorigin></script>
13 <script src="https://unpkg.com/react-dom@16/umd/react-dom.development.js" crossorigin></script>
14 <script>
15   const MyApp = () => {
16     return (
17       <div>
18         Hello world!
19       </div>
20     );
21   }
22   const domContainer = document.querySelector('#root');
23   ReactDOM.render(MyApp, domContainer);
24 </script>
```

✖ Uncaught SyntaxError: Unexpected token '<'

index.html:17

```
→ my-test-app npm install react
```

```
npm ERR! saveError ENOENT: no such file or directory, open '/Users/colby/package.json'
```

```
10 <div id="root"></div>
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```

```
14 <script src="https://unpkg.com/babel-standalone@6/babel.min.js"></script>
```

```
15 <script type="text/babel">
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```
16 const MyApp = () => {
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17   return (  
18     <div>
```

```
19     Hello world!
```

```
20     </div>
```

```
21   );
```

```
22 }
```

```
23 const domContainer = document.querySelector('#root');
```

```
24 ReactDOM.render(MyApp, domContainer);
```

```
→ my-test-app npm install react
```

```
npm ERR! saveError ENOENT: no such file or directory, open '/Users/colby/package.json'
```

```
10 <div id="root"></div>
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14 <script src="https://unpkg.com/babel-standalone@6/babel.min.js"></script>
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```
15 <script type="text/babel">
```

```
16 const MyApp = () => {
```

```
17   return ()
```

```
18   <div>
```

```
19     Hello world!
```

```
20   </div>
```

```
21   );
```

```
22 }
```

```
23 const domContainer = document.querySelector('#root');
```

```
24 ReactDOM.render(MyApp, domContainer);
```

precompile your scripts for production - <https://babeljs.io/docs/setup/>

⊗ ▶ Warning: Functions are not valid as a React child. [react-dom.development.js:82](#)
This may happen if you return a Component instead of `<Component />` from render.
Or maybe you meant to call this function rather than return it.

```
→ my-test-app npm install react
```

```
npm WARN saveError ENOENT: no such file or directory, open '/Users/colby/package.json'
```

```
10   <div id="root"></div>
```

```
11
```

```
14   <script src="https://unpkg.com/babel-standalone@6/babel.min.js"></script>
```

```
15   <script type="text/babel">
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```
15   <script type="text/babel">
```

```
16   const MyApp = () => {
```

```
17     return (
```

```
18       <div>
```

```
19         Hello world!
```

```
20       </div>
```

```
21     );
```

```
22   }
```

```
23   const domContainer = document.querySelector('#root');
```

```
24   ReactDOM.render(React.createElement(MyApp), domContainer);
```

```
25 </script>
```

← → ↻ ⓘ File | /Users/colby/Code/my-test-app/index.html

Hello world!

```
→ my-test-app npm install react
```

```
npm ERR! saveError ENOENT: no such file or directory, open '/Users/colby/package.json'
```

```
10 <div id="root"></div>
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14 <script src="https://unpkg.com/babel-standalone@6/babel.min.js"></script>
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15 <script type="text/babel">
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16 <script type="text/babel">
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```
17 const MyApp = () => {
```

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18   return (
```

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19     <div>
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```
20       <div className="nav">
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```
21         <h1>1up, Inc</h1>
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22       </div>
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23     </div>
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24   );
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25 }
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```

Oh, no!

```
→ my-test-app npm install react
npm ERR! saveError ENOENT: no such file or directory, open '/Users/colby/package.json'
10 <div id="root"></div>
11
14 <script src="https://unpkg.com/babel-standalone@6/babel.min.js"></script>
15 <script type="text/babel">
16 <script type="text/babel">
17 const MyApp = () => {
18   return (
19     <div>
20       <div className="nav">
21         <h1>lup, Inc</h1>
22       </div>
23     </div>
24   );
25 }
```



<> <!DOCTYPE html> Untitled-1 ●

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Document</title>
7  </head>
8  <body>
9    |
10 </body>
11 </html>
```


<> <!DOCTYPE html> Untitled-1 ●

1 <!DOCTYPE html>

<> <!DOCTYPE html> Untitled-1 ●

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9
10 <header>
11   <p>
12     
13     lup, Inc
14   </p>
15   <nav>
16     <ul>
17       <li>
18         <a href="/about">About</a>
19       </li>
20       <li>
21         <a href="/services">Services</a>
22       </li>
23     </ul>
24   </nav>
25 </header>
```

```
<> <!DOCTYPE html> Untitled-1 ●
```

```
1 <!DOCTYPE html>
```

```
<> <!DOCTYPE html> Untitled-1 ●
```

```
1 <!DOCTYPE html>
```

```
2 <html lang="en">
```

```
<main>
```

```

```

```
<section>
```

```
<h1>We lup the competition</h1>
```

```
<p>
```

```
We at lup, Inc care deeply about our customer's needs. We guarantee satisfaction with all of our ups.
```

```
</p>
```

```
</section>
```

```
</main>
```

<!DOCTYPE html> Untitled-1

1 <!DOCTYPE html>

<!DOCTYPE html> Untitled-1

1 <!DOCTYPE html>

2 <html lang="en">

26

27 <main>

28

29 </main>

```
11 header {
12   display: flex;
13   align-items: center;
14   justify-content: space-between;
15 }
16 header p {
17   display: flex;
18   align-items: center;
19 }
20 header img {
21   display: block;
22   width: 5em;
23 }
24 header ul {
25   display: flex;
26   align-items: center;
27   list-style: none;
28   padding: 0;
29   margin: 0;
30 }
```

Solution A

Mark



Solution B

Luke



1up, Inc



1up, Inc

[About](#) [Services](#)

@colbyfayock

We 1up the competition

Solution B

Luke



1up, Inc

About Services

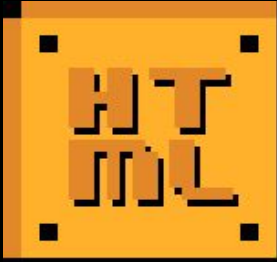


We 1up the competition

We at 1up, Inc care deeply about our customer's needs. We guarantee satisfaction with all of our ups.



What can we learn from this?



Starting with the basics

HTML

Hypertext Markup Language

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7    </head>
8    <body>
9      <h1>Hello, world. It's a me!</h1>
10   </body>
11 </html>
```

React / JSX

```
1  import React from 'react';
2
3  const MyPage = () => {
4    return (
5      <h1>Hello, world. It'sa me!</h1>
6    )
7  }
8
9  export default MyPage;
```

```
1  import React from 'react';
2
3  const MyPage = () => {
4    return (
5      <main>
6        <h1>Hello, world. It'sa me!</h1>
7        <h2>My Wishlist</h2>
8        <p>Things I want to find:</p>
9        <ul>
10         <li>Coins</li>
11         <li>Stars</li>
12         <li>Mushrooms</li>
13       </ul>
14     </main>
15   )
16 }
17
18 export default MyPage;
```

Compiled HTML

```
gtag('js', new Date());</script><style>.async-hide { opacity: 0 !important }</style><script>(fun
{s.className+=' '+y;h.start=1*new Date;
h.end=function(){s.className=s.className.replace(RegExp(' ?'+y),'')};
(a[n]=a[n]||[]).hide=h;setTimeout(function(){i();h.end=null,c);h.timeout=c;
})(window,document.documentElement,'async-hide','dataLayer',500,{ 'GTM-NJ75NM':true});</script><s
28076707-1', {'optimize_id':'GTM-MF4ZKBR'});</script><script>(function(w,d,s,l,i){w[l]=w[l]||[];
new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)[0],
j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
https://www.googletagmanager.com/gtm.js?id='+i+dl+'&gtm_cookies_win=x';f.parentNode.insertBefore
})(window,document,'script','dataLayer','GTM-NJ75NM');</script><link as="script" rel="preload"
b319c86f02de5ec43924.js"/><link as="script" rel="preload" href="/framework-8e210829bcc33c32949c.
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rel="preload" href="/37272d1faf3f5a324dd7a8eed57e2d6b70c2dab2-763d03f360d41cd8a342.js"/><link as
href="/component---src-pages-index-js-ccb8ffb8baa20a7c0764.js"/><link as="fetch" rel="preload" h
data.json" crossorigin="anonymous"/><link as="fetch" rel="preload" href="/page-data/app-data.js
</head><body class="home"><noscript><iframe
src="https://www.googletagmanager.com/ns.html?id=GTM-NJ75NM&gtm_cookies_win=x"
height="0"
width="0"
style="display: none; visibility: hidden"
></iframe><noscript><div id="__gatsby"><div style="outline:none" tabindex="-1" id="gatsby-focu
class="header container" role="navigation"><div class="content"><div class="row"><div class="hea
current="page" class="" href="/">Colby Fayock</a><span class="tagline">A UX Designer & Front
</div><div class="header-social"><ul class="social-icons"><div><li class="social-icons-twitter">
href="http://twitter.com/colbyfayock" rel="me"><svg stroke="currentColor" fill="currentColor" st
512" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M459.37 151.716c.325 4
138.72-105.583 298.558-298.558 298.558-59.452 0-114.68-17.219-161.137-47.106 8.447 9.74 16.568 1.
16.568 130.274-44.832-46.132-97.5-84.792-31.188-98.112-72.772 6.498 974 12.995 1.624 19.818 1.62
3.573-48.081-9.747-84.143-51.98-84.143-102.985v-1.299c13.969 7.797 30.214 12.67 47.431 13.319-28
87.391 0-19.492 5.197-37.36 14.294-52.954 51.655 63.675 129.3 105.258 216.365 109.807-1.624-7.79
57.828 46.782-104.934 104.934-104.934 30.213 0 57.502 12.67 76.67 33.137 23.715-4.548 46.456-13.
24.366 44.833 46.132 57.827 21.117-2.273 41.584-8.122 60.426-16.243-14.292 20.791-32.161 39.308-
er</span></a></li><li class="social-icons-youtube"><a href="https://youtu
fill="currentColor" stroke-width="0" viewBox="0 0 576 512" height="1em" wi
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```
<body class="home">
<noscript>
<iframe src="https://www.googletagmanager.com/ns.html?id=GTM-NJ75NM&gtm_cookies_win=x"
</noscript>
<div id="__gatsby">
<div style="outline:none" tabindex="-1" id="gatsby-focus-wrapper">
<div>
<nav class="header container" role="navigation">
<div class="content">
<div class="row">
<div class="header-logo">
<h1 class="h1">
<a aria-current="page" class="" href="/">Colby Fayock</a>
<span class="tagline">A UX Designer & Front End Engineer
</h1>
</div>
<div class="header-social">
<ul class="social-icons">
<div>
<li class="social-icons-twitter">
<a href="http://twitter.com/colbyfayock" rel="me">
<svg stroke="currentColor" fill="currentColor"
<path d="M459.37 151.716c.325 4.548.325 9.0
</svg>
<span class="ir">Twitter</span>
</a>
</li>
<li class="social-icons-youtube">
<a href="https://youtube.com/colbyfayock" rel="me">
<svg stroke="currentColor" fill="currentColor"
<path d="M549.655 124.083c-6.281-23.65-24.7
</svg>
<span class="ir">Youtube</span>
</a>
</li>
<li class="social-icons-eggheadio">
<a href="https://egghead.io/instructors/colbv-fayoc
```

CSS

Cascading Style Sheets

```
7  <style>
8    h1 {
9      color: red;
10     font-size: 30px;
11     text-transform: uppercase;
12   }
13 </style>
14 </head>
15 <body>
16 <h1>Hello, world. It'sa me!</h1>
```

React + CSS

```
import 'assets/stylesheets/application.scss';
```

```
const MyPage = () => {  
  return (  
    <>  
      <h1>Hello, world. It'sa me!</h1>  
    </>  
  )  
}
```

```
const useStyles = createUseStyles({  
  h1: {  
    color: 'red',  
    fontSize: 30,  
    textTransform: 'uppercase'  
  }  
})
```

```
<style jsx global>{`  
  h1 {  
    color: red;  
    font-size: 30px;  
    text-transform: uppercase;  
  }  
`}</style>  
<h1>Hello, world. It'sa me!</h1>
```

```
const Title = styled.h1`  
  color: red;  
  font-size: 30px;  
  text-transform: uppercase;  
`;  
  
const MyPage = () => {
```


Compiled CSS

```
fa-thumbs-o-up,.article-list-more .fa-hand-o-down{display:none}.article-excerpt-more a,:
down,.article-list-more a:hover .fa-hand-o-down{display:none}.article-excerpt-more a:hover :
sizing:border-box}body{color:#2b2e30;font-family:Source Sans Pro,Helvetica,Arial,sans-serif;
color:#fff}@media (max-width:37.5em){.row(padding:1em)}.page-title{margin:0}.article-list-mo
o-down{display:none}.article-excerpt{margin-bottom:4em}@media (max-width:37.5em){.article-ex
p{margin:0 0 .8em}.article-excerpt p:last-child{margin-bottom:0}.article-excerpt .article-me
excerpt-header-title{margin:0 0 .4em}.article-excerpt-more{font-size:1em;font-weight:600}.ar
0}.pagination ul{list-style:none;text-align:center;padding:0;margin:0}.pagination li{display:
4em}.pagination a{text-decoration:none}.pagination a:hover{text-decoration:underline}.pagin
style:none;padding:0;margin:0}.social-icons li{display:inline-block;margin:0 .5em}.social-ic
icons li{margin:0}.social-icons a{display:block;width:2em;height:2em;line-height:2em;text-al
polygon{color:#007079}.social-icons a,.social-icons path,.social-icons polygon{color:#505458
eggheadio{transform:translateY(1px)}.article-content iframe{display:block;margin:0 auto}.ar
content:center;list-style:none;padding:0;margin:0}.article-links li{margin:0 .8em}.article-l
items:center;text-decoration:none}.article-links svg{font-size:.9em;margin-right:.5em}.artic
direction:row;justify-content:center;align-items:center}.article-tweet a{font-size:1.4em;text
header{padding:3em 0 4em}@media (max-width:37.5em){.article-header(padding:0 0 4em)}.article
}.article-header h1{font-size:3em)}.article-content-body{margin-bottom:2em}.article-content-l
h4:first-child,.article-content-body h5:first-child,.article-content-body h6:first-child{mar
right:auto}.article-meta{color:#747a80;list-style:none;text-align:center;padding:0;margin:2e
child{margin-left:0}.article-meta li:last-child{margin-right:0}.article-meta a{color:inherit
decoration:underline}.article-meta span{margin-right:.2em}.article-meta span:after{content:"
child:after{content:none}.article-meta .categories-list{color:#070708;font-weight:600}.home
(max-width:37.5em){.home .header{margin:4em auto}.home .react-tabs_tab-list{display:flex;j
style:none;padding:0;margin:0 0 4em}.home .react-tabs_tab{color:#747a80;padding:.4em;margin
selected{color:#070708;border-bottom:3px solid #007079}.page-about h3{margin-bottom:.8em}.pa
size:1em;margin-top:0}.header{text-align:center}.header .row{display:flex;width:100%;margin-l
a{font-weight:700}.home .header .h1{text-align:center}.home .header .h1 a{font-size:1.6em}@m
.h1{font-size:1em}.header .tagline{display:block;color:#747a80;font-weight:400;font-size:1.5e
grow:1}body:not(.home) .header .header-logo{font-size:1.4em;text-align:left}body:not(.home)
height:2em}body:not(.home) .header .header-logo a:hover{color:#007079}@media (max-width:37.5
icons{display:flex;font-size:1.6em;flex-flow:wrap;justify-content:center;margin-top:.3em}@me
.row(padding:0;margin-bottom:0).footer .container{margin:8em auto}@media (max-width:37.5em){
@colbyfayock .boundary{color:#747a80;font-size:1em;text-align:center}@media (max-width:
.5em).footer-secondary .emoji{font-size:2.5em;margin-bottom:.2em}.foot
```

```
@media (max-width: 37.5em) {
  .article-header {
    padding: 0 0 4em
  }
}

.article-header h1 {
  font-size: 4.08em;
  text-align: center;
  margin-bottom: 0
}

@media (max-width: 37.5em) {
  .article-header h1 {
    font-size: 3em
  }
}

.article-content-body {
  margin-bottom: 2em
}

.article-content-body h2:first-child,.article-content-body h3:first-child,.article-content-body h4:first-child {
  margin-top: 0
}

.article-content-body img {
  display: block;
  margin-left: auto;
  margin-right: auto
}

.article-meta {
  color: #747a80;
}
```


Understanding Your Tools

HTML in the Browser

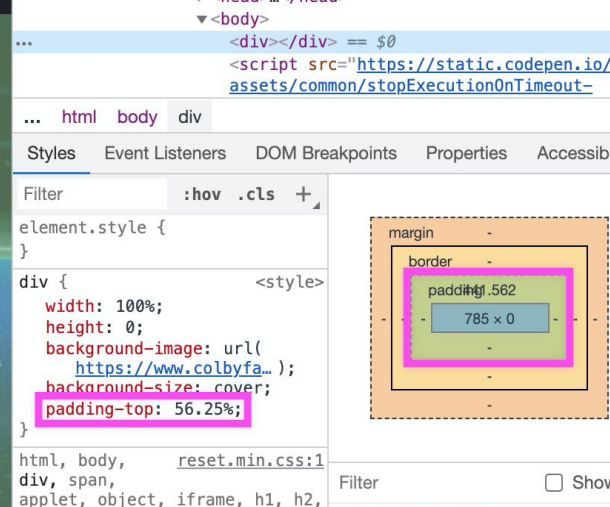
My Cool Page

Some cool stuff

Is this still cool?

```
Elements Memory
<html>
  <head>
    <style>
      p {
        color: purple;
      }
    </style>
  </head>
  <body>
    <h1>My Cool Page</h1>
    ... <p>
      Some cool stuff
      </p> == $0
    <div>Is this still cool?</div>
    <p></p>
  </body>
</html>
```

```
1 <html>
2 <head>
3   <style>
4     p {
5       color: purple;
6     }
7   </style>
8 </head>
9 <body>
10  <h1>My Cool Page</h1>
11  <p>
12    Some cool stuff
13    <div>Is this still cool?</div>
14  </p>
15 </body>
16 </html>
17
```



CSS Relativity



LEVEL UP

\$EO

Search Engine Optimization



colby fayock



All

Maps

Videos

Images

News

More

Settings

Tools

About 5,760 results (0.37 seconds)

www.colbyfayock.com ▾

Colby Fayock - A UX Designer & Front-end Developer Blog

Blog, notes, projects, and such.

https://twitter.com/colbyfayock

Colby Fayock (@colbyfayock) · Twitter

What is @gatsbyjs and why it's time to get on the #hype train on #javascript #webdev
www.freecodecamp.org/ne
...

i wonder if comb and hair brush sales are down 🤔

set up a custom hook template to easily put one together. basically clone, update all the names, do your thing, and publish. even has an example website ready to use
github.com/colbyfayock/...



Google Account

Where you'll find tools to secure and manage your Google Account and control your data



GO TO GOOGLE ACCOUNT



From Google Contacts

Only you can see this result

Colby Fayock

Update your profile

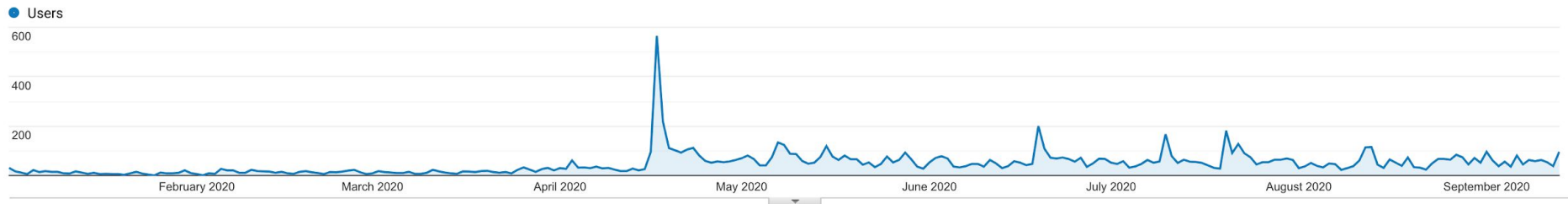
Sr UX & Front End Engineer at Element 84



@colbyfayock

Why is it important?

Jan 1, 2020 - Sep 13, 2020 ▼



Primary Dimension: **Source / Medium** Source Medium Keyword Other ▼

Plot Rows Secondary dimension ▼ Sort Type: Default ▼

advanced      

Source / Medium ?		Acquisition			Behavior			Conversions		
		Users ? ↓	New Users ?	Sessions ?	Bounce Rate ?	Pages / Session ?	Avg. Session Duration ?	Goal Conversion Rate ?	Goal Completions ?	Goal Value ?
<input type="checkbox"/>		10,135 % of Total: 100.00% (10,135)	10,129 % of Total: 100.02% (10,127)	13,129 % of Total: 100.00% (13,129)	82.50% Avg for View: 82.50% (0.00%)	1.30 Avg for View: 1.30 (0.00%)	00:01:00 Avg for View: 00:01:00 (0.00%)	0.00% Avg for View: 0.00% (0.00%)	0 % of Total: 0.00% (0)	\$0.00 % of Total: 0.00% (\$0.00)
<input type="checkbox"/>	1. freecodecamp.org / referral	2,952 (28.35%)	2,901 (28.64%)	3,921 (29.87%)	79.06%	1.35	00:01:21	0.00%	0 (0.00%)	\$0.00 (0.00%)
<input type="checkbox"/>	2. google / organic	2,440 (23.43%)	2,409 (23.78%)	2,801 (21.33%)	88.54%	1.15	00:00:44	0.00%	0 (0.00%)	\$0.00 (0.00%)
<input type="checkbox"/>	3. (direct) / (none)	2,277 (21.87%)	2,272 (22.43%)	2,862 (21.80%)	85.64%	1.27	00:00:40	0.00%	0	@colbyfayock

@colbyfayock

What can we do better?

HTML Page Outline

* Super Mario Bros. Switch Games

`<h1>Super Mario Bros. Switch Games</h1>`

* Mario

`<h2>Mario</h2>`

* Mario Karty 8 Deluxe

`<h3>Mario Karty 8 Deluxe</h3>`

* Super Mario Party

`<h3>Super Mario Party</h3>`

* Mario Tennis Aces

`<h3>Mario Tennis Aces</h3>`

* Luigi

`<h2>Luigi</h2>`

* Luigi's Mansion 3

`<h3>Luigi's Mansion 3</h3>`

Image Alt

```

```

```

```

Anchor Text

We at 1up, Inc care deeply about our customer's needs. We guarantee satisfaction with all of our ups.

[Read More](#)

We at 1up, Inc care deeply about our customer's needs. We [guarantee satisfaction with all of our ups](#).

```
<a href="/my-page">  
all of our ups  
</a>
```

<title>

<title>My Cool Webpage</title>



My Cool Webpage



www.colbyfayock.com › 2014/07 › interesting-blog

My Cool Web Page

Jul 8, 2014 - This is a blog post that's really interesting and has many interesting things.

<title>Interesting Blog Post – My Cool



Interesting Blog Post - My Cool



www.colbyfayock.com › 2014/07 › interesting-blog

Interesting Blog Post - My Cool W

Jul 8, 2014 - This is a blog post that's really interesting and has many interesting things.

ACCESSIBILITY

Accessibility

No Simulation

Yellow-Blue Color Blindness

Red-Green Color Blindness

Total Color Blindness



We 1up the competition

We at 1up, Inc care deeply about our customer's needs. We guarantee satisfaction with all of our ups.

Why is it important?

Image_01483108340813509450915409135
09135901309510935.jpg

We 1up the competition

What can we do better?

HTML Page Outline

* Super Mario Bros. Switch Games

`<h1>Super Mario Bros. Switch Games</h1>`

* Mario

`<h2>Mario</h2>`

* Mario Karty 8 Deluxe

`<h3>Mario Karty 8 Deluxe</h3>`

* Super Mario Party

`<h3>Super Mario Party</h3>`

* Mario Tennis Aces

`<h3>Mario Tennis Aces</h3>`

* Luigi

`<h2>Luigi</h2>`

* Luigi's Mansion 3

`<h3>Luigi's Mansion 3</h3>`

Image Alt

```

```

```

```


Buttons

```
<div class="action-throw-fireball">
```

```
  Throw Fireball
```

```
</div>
```

```
<button class="action-throw-fireball">
```

```
  Throw Fireball
```

```
</button>
```

Throw Fireball



Throw Fireball



SIMPLICITY

```

const MyComponent = () => {
  const defaultWidth = 800;
  const defaultHeight = 600;
  const ratio = defaultHeight / defaultWidth;

  const [dimensions, setDimensions] = useState({
    width: defaultWidth,
    height: defaultHeight
  });

  function handleOnWindowResize() {
    const width = window.innerWidth;
    const height = width * ratio;
    setDimensions({
      width,
      height
    });
  }

  useEffect(() => {
    window.addEventListener('resize', handleOnWindowResize);
    return () => {
      window.removeEventListener('resize', handleOnWindowResize);
    }
  }, []);

  const styles = {
    backgroundImage: url('/my-image.jpg'),
    ...dimensions
  }

```

Simplicity

```

const MyComponent = () => {
  const styles = {
    width: '100%',
    height: 0,
    backgroundImage: url('/my-image.jpg'),
    backgroundSize: 'cover',
    paddingTop: `${(800/600)*100}%`
  }

  return <div style={styles} />;
}

export default MyComponent;

```

@colbyfayock f={ref} style={styles} />;

Why is it important?



Mark Dalgleish
@markdalgleish



What can we do better?

Get Interactive with Native HTML

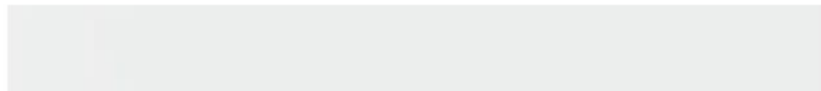
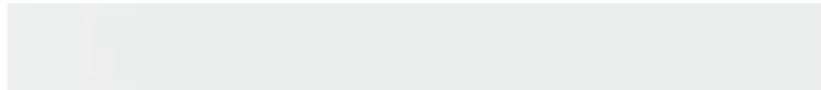
```
<label>My Favorite Color</label>  
<input type="text" name="color" list="colors" />  
<datalist id="colors">  
  <option value="Magenta" />  
  <option value="Purple" />
```

My Favorite Color

Loading Without the Load

```
.loading {  
  background: linear-gradient(90deg, ■ #eff1f1 30%,  
    background-size: 400%;  
  animation: loading 1.2s ease-in-out infinite;  
}
```

```
@keyframes loading {  
  0% {  
    background-position: 100% 50%;  
  }  
  100% {  
    background-position: 0 50%;  
  }  
}
```



Checkbox State

```
<style>
.is-checked {
  display: none;
}

#my-checkbox:checked + span .is-checked {
  display: inline;
}

#my-checkbox:checked + span .not-checked {
  display: none;
}
</style>

<label for="my-checkbox">
  <input id="my-checkbox" type="checkbox" />
  <span>
    <span class="not-checked">Not Checked</span>
    <span class="is-checked">Checked</span>
  </span>
</label>
```

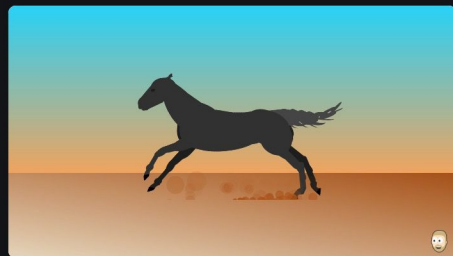


Responsive Text



**SOME
AWESOME**

Why is it important?



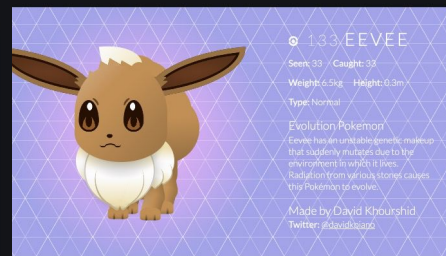
Clip Clop Clippity Clop [CSS ...

Steve Gardner **PRO**



Pure CSS (Sass) Carnival Ga...

Una Kravets **PRO**



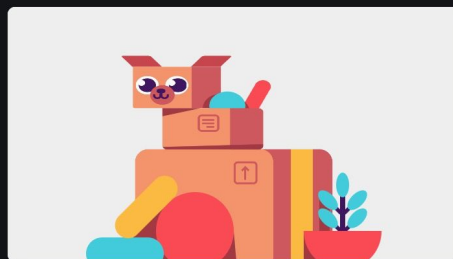
CSS Eevee

David Khourshid **PRO**



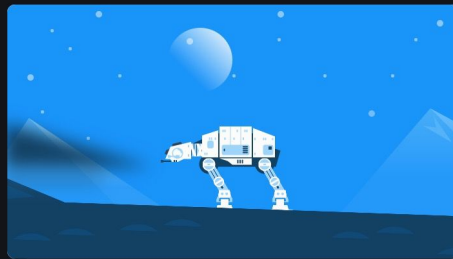
macintosh.css

Sarah Fossheim



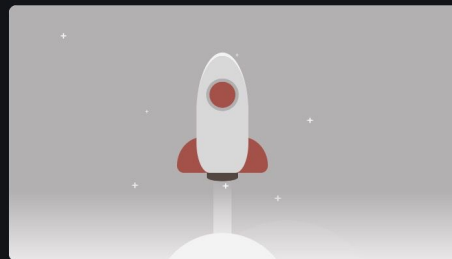
CSS Box Dog

agathaco



STAR WARS AT-AT Walker

r4ms3s



CSS only animated rocket

Eva Lettner **PRO**



Free Radicals

Noah Blon **PRO**

@colbyfayock

```
HTML (Haml)
7
8
9 %svg{:version => "1.1", :xmlns =>
  "http://www.w3.org/2000/svg"}
10 %defs
11 %filter#filter
12
  %feturbulence#turbulence{:basefrequ
    ency => "0.05 0.0015", :numoctaves

CSS (SCSS)
86
87 &:before{
88   content:'';
89   position:absolute;
90   width:200px;
91   height:100%;
92   left:calc(50% - 100px);
93   backdrop-filter:url(#filter);
94   z-index:9;
95   transform:scaleX(0);

JS
1 "use strict";
2 function dragNdrpp(event) {
3   var fileName =
  URL.createObjectURL(event.target.files
    [0]);
4   document.body.style.setProperty('--
```



@cobra_winfrey https://codepen.io/cobra_winfrey/pen/abdjReO

@colbyfayock

```

HTML
1 <div class="cabinet">
2   <div>
3     <div class="mirror"></div>
4     <div class="bottle-amber"></div>
5     <div class="skull"></div>
6   </div>
7   <div>
8     <div class="abacus"></div>
9     <div class="clock"></div>
10    <div class="rubiks-cube"></div>
11  </div>
12 </div>

CSS (Stylus)
1 white(alpha)
2   rgba(255,255,255,alpha)
3 black(alpha)
4   rgba(0,0,0,alpha)
5
6 $gold-l = #DBB25E
7 $gold-m = #907335
8 $gold-d = darken(#836930,8)
9
10 $wallpaper-pattern = repeating-linear-gradient(45deg, transparent, transparent 2px, $gold-l 2px, $gold-l 4px), repeating-linear-gradient(-45deg, transparent, transparent 2px, $gold-m 2px, $gold-m 4px), repeating-linear-gradient(45deg, transparent, transparent 2px, $gold-d 2px, $gold-d 4px)

JS
1 // @lynnandtonic
2 // a.singlediv.com
    
```



@lynnandtonic <https://codepen.io/lynnandtonic/pen/LYGjqOo>

@colbyfayock



HTML (Pug)

```
1 input(type="checkbox" id="toggleGame"
  class="logic-checkbox")
2 input(type="checkbox" id="HowToPlayPopup"
  class="logic-checkbox")
3 input(type="checkbox" id="whoAmIPopup"
  class="logic-checkbox")
4 input(type="checkbox" id="GraphicsLevel"
  class="logic-checkbox")
5 section(class="game-menu-frame")
```

CSS (SCSS)

```
1 /***** More of My Resets *****/
2 *,
3 *::before,
4 *::after{box-sizing:border-box;}
5 /** global variables **/
6 $amountOfVirus:100;
7 :root{
8   --common-color1:#c72113;
9   --common-color2:#2674c3;
```

JS

```
1 /* No JS!! 🙄 */
2
3 /*
4   I'm CSS Architect and code
   evangelist at AnimaApp.com
5
6   You can see more of my stuff on my
```

77

Score: 5/100



@eladsc <https://codepen.io/elad2412/pen/wvabjXy>



HTML (Haml)

```
1 .alien
2   .b
3   %img{:src =>
4     "http://fay.io/e/alien.jpg"}
5   .a
6   .aa
7   .aa
8   .aa
```

CSS (SCSS)

```
1 @import "compass/css3";
2
3 ~ body {
4   max-width: 100%;
5   overflow: hidden;
6   background-color: black;
7   padding-top: 50px;
8 }
```

JS

```
1 // https://css-tricks.com/restart-
  css-animation/
2 ~ var restart = function(el){
3   var that = $(el),
4   newel = that.clone(true);
5   that.before(newel);
6   $(". " + that.attr("class") +
  ":last").remove();
```

A L I E N

Replay

Me! @colbyfayock <https://codepen.io/colbyfayock/pen/aEqsL>

@colbyfayock



FURTHER LEARNING

Basic HTML and HTML5: Say Hello to HTML Elements

Welcome to freeCodeCamp's HTML coding challenges. These will walk you through web development step-by-step.

First, you'll start by building a simple web page using HTML. You can edit code in your code editor, which is embedded into this web page.

Do you see the code in your code editor that says

```
<h1>Hello</h1>
```

 ? That's an HTML element.

Most HTML elements have an opening tag and a closing tag.

Opening tags look like this:

```
<h1>
```

Closing tags look like this:

```
</h1>
```

The only difference between opening and closing tags is the forward slash after the opening bracket of a closing tag.

Each challenge has tests you can run at any time by clicking the "Run tests" button. When you pass all tests, you'll be prompted to submit your solution and go to the next coding challenge.

```
1 <h1>Hello</h1>
2
```

Hello

freeCodeCamp (🔥)

```
/**
 * Your test output will go here.
 */
```

INSTRUCTOR CREATED COLLECTION

Building Accessible Web Apps with React Workshop Prep

▶ WATCH COLLECTION

🕒 7m

🔖 Watch Later

📡 RSS

Welcome and thank you for joining this Building Accessible Web Apps with React! To be successful in this workshop you'll need to have prepared the following:

1. Please walk step-by-step through the workshop.
2. In addition, I've added a few extra things you'll be planning to use throughout the workshop. Contrast Mode on Windows



egghead.io

The rest of the tools I'll demo for you in the workshop but make sure you have them installed (which is all listed in the [README](#)).

Thanks and I look forward to talking with you about React and Accessibility soon!



Enable High Contrast Mode on Windows



Erin Doyle LESSON

🕒 1m 29s

🏷️ microsoft



HTML Crash Course For Absolute Beginners

Traversy Media • 2.8M views • 2 years ago

In this crash course I will cram as much about HTML that I can. This is meant for absolute beginners. If you are interested in ...



HTML Full Course - Build a Website Tutorial

freeCodeCamp.org • 1.3M views • 1 year ago

Learn the basics of HTML5 and web development in this awesome course for beginners. ⭐ Contents

⭐ (0:00:00) Introduction ...



Learn HTML & CSS

freeCodeCamp

HTML and

that is used

CC



30 Days to Learn HTML & CSS (Full Course)

Envato Tuts+ •

Course Introduction (30 Days to Learn HTML and CSS) • 0:56

Day 1: Your First Webpage (30 Days to Learn HTML & CSS) • 9:51

VIEW FULL PLAYLIST

Learn HTML in 12 Minutes

Jake Wright • 3.7M views • 9 years ago

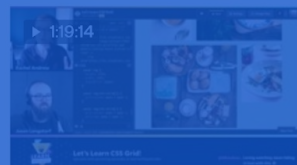


Past videos



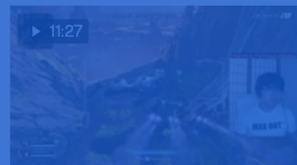
Learn about CSS Animations with Michael Mullany from Sencha

marakana_techtv
20 views · 9 years ago



Let's Learn CSS Grid! (with Rachel Andrew) – Learn With Jason

jlengstorf
Science & Technology
185 views · 20 days ago
English AMA Ed



[testing setup] let's learn CSS Grid

MagusNerd
Apex Legends
0 views · 20 days ago
English Beginner Player



Highlight: Let's Learn Together: CSS

TornPixie
Creative
3 views · 2 years ago



Highlight: Adigi9 – Chat and Learn Stream CSS Basics Review from Learn.Co Flatiron School Web Dev Bootcamp

adigi9
Science & Technology
2 views · Last month
English



Pen	Green	These are green.
Grace	Purple / Green	These are purple and green.
Orange	Orange	These are orange.
Baranca	Yellow	These are yellow.
Kiel	Green	These are green.
Pump	Purple	These are Purple.
Watermelon	Red	These are red.
Tomato	Red	These are red.
Cherry	Red	These are red.

external image, CSS only

CSS SELECT arrow (classic)

CSS SELECT arrow (round)

CSS SELECT arrow (minimal)



CSS Only Fixed Table Headers

TJ VanToll



SELECT right-arrow with CSS

Veiko



CSS Only iPhone 6

Fabrizio Bianchi



CSS-Only Countdown Clock

Yogev Ahuvia



One Page Navigation CSS M...

Alberto Hartzet



CSS only scroll indicator

Mike PRO

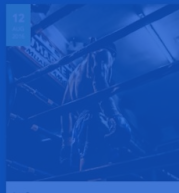
Pure CSS Custom Checkboxes

Checkbox

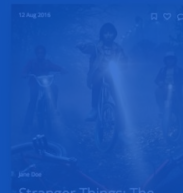
CSS Only

A checked checkbox

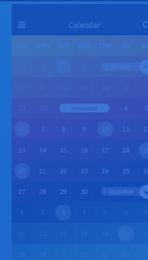
Fourth option



Boxing icon has the will
for a couple more fights



Stranger Things: The sound of the Upside
Down



Scroll Indicator

I was interested to see if I could make a scroll indicator [like this](#) with just CSS.

You can't But maybe you shouldn't. This is an interesting comparison of a bunch of hacks held together with duct tape. It uses a crazy hack, gradient hacks and tricks with calc and viewport units.

Having said that, hacks are not always bad. I love hacks and many of us have made quite a good living selling floats and clearfixes.

The techniques used here are well supported, if not conventional. If you can read the CSS, understand how it works, and how to change it, and you think this works better for you than padding, feel free to implement it. Just be aware of the choice behaviour and possible conflict with other CSS using negative values.

Cras mattis consectetur purus sit amet fermentum. Donec id elit non mi porta gravida at eget metus. Donec id elit non mi porta gravida at eget metus. Aenean lacinia bibendum nulla sed consectetur.

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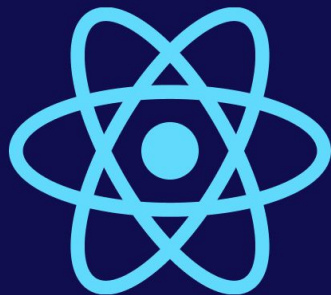




YOU WIN!

50 Projects

For React & the Static Web



50reactprojects.com

☒ Ecommerce Store

Create an **online store** where users can purchase **games and fan gear**.

Brief

Gone are the times that you need to find a local game store to get the latest Halo release. Instead, you can get any game you want, and some sweet gear, right on the internet.

Level 1

For someone to be able to purchase a game, they need to be able to find it on your website.

Create a website that includes pictures and names of video games and fan gear.

Level 2

Managing inventory and the products in a store is a pain. You have to update code every time. We can use tools like database management systems to dynamically add products.

Integrate a CMS that allows you to manage available products.

Level 3

In order to purchase a product, we'll need to provide a way for the customer to pay for it. This includes adding the payment gateway to a cart and the checkout process.

Add a cart and payment provider that allows someone to purchase a product.



BUSINESS & REAL-WORLD

Game Name

Buy Now

GAME OVER

Colby Fayock

Lead UX & Front End Engineer

Element 84

@colbyfayock



colbyfayock.com/conf-42-2020