



SIR TIM BERNERS-LEE

SIR TIM BERNERS-LEE

CERN - GENEVA, ZWITSERLAND

ENQUIRE

MESH



WORLD WIDE WEB (W3)

World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

[What's out there?](#)
Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

[Help](#)
on the browser you are using

[Software Products](#)
A list of W3 project components and their current state. (e.g. [Line Mode](#) ,X11 [Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#))

[Technical](#)
Details of protocols, formats, program internals etc

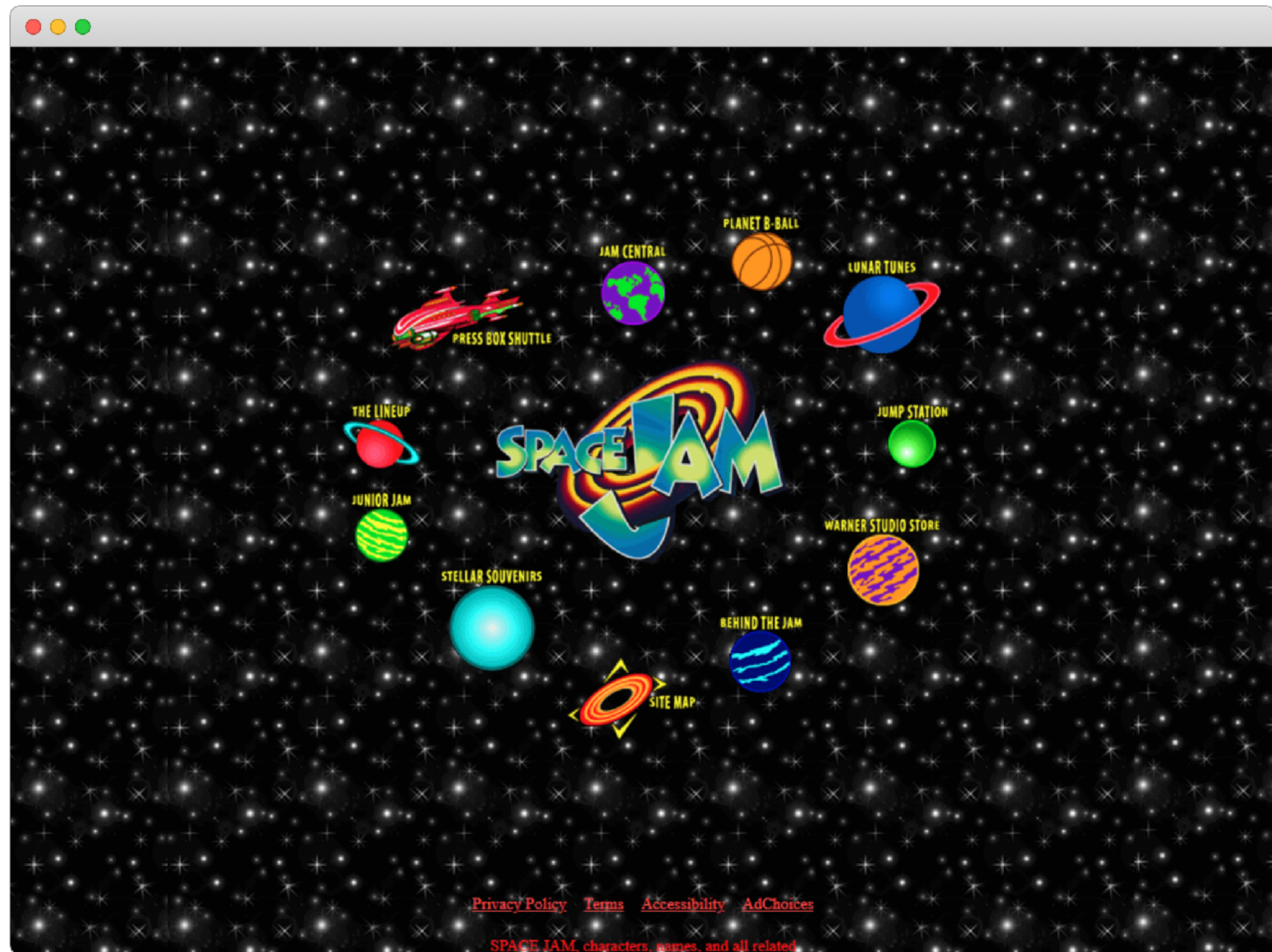
[Bibliography](#)
Paper documentation on W3 and references.

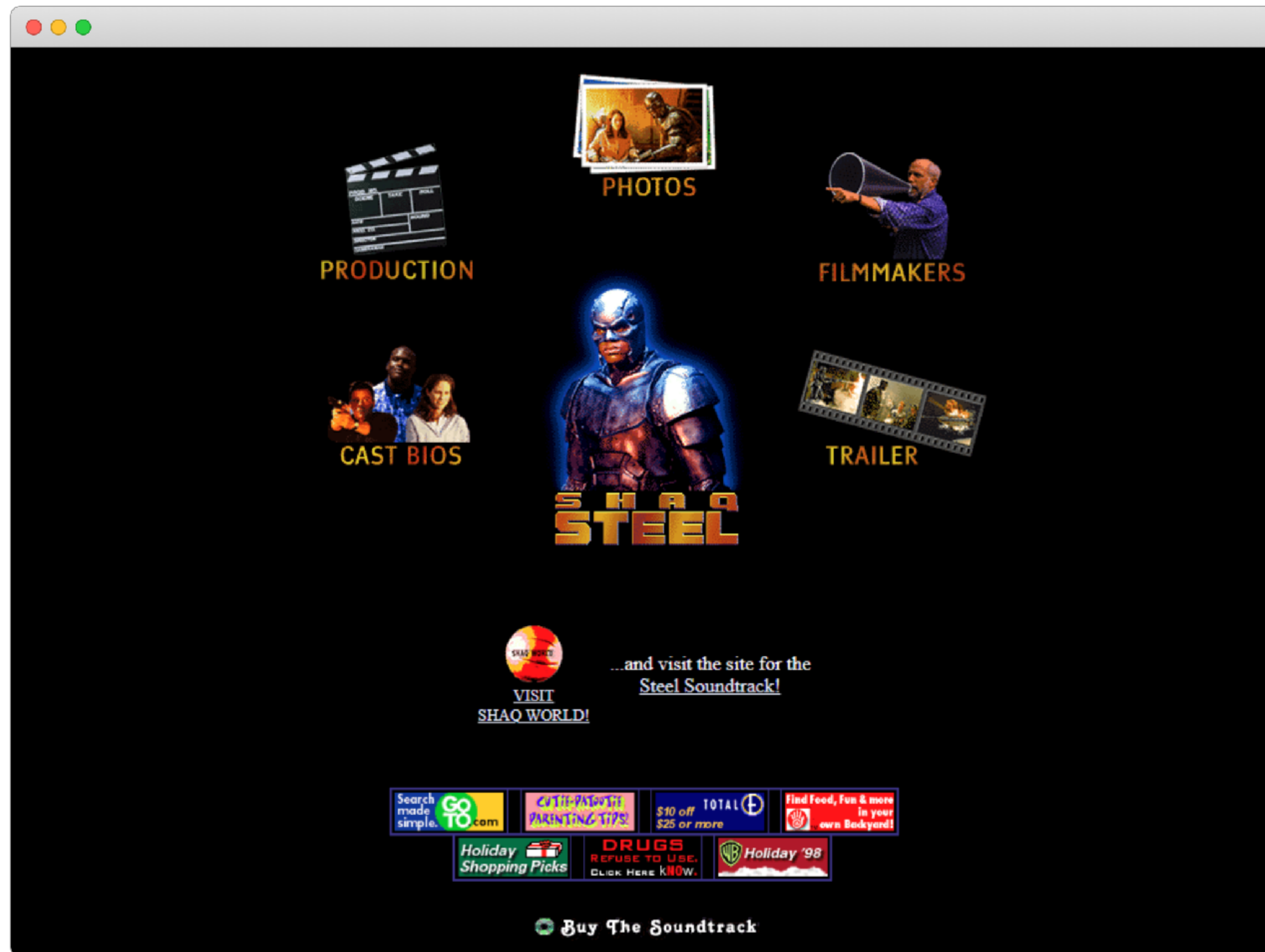
[People](#)
A list of some people involved in the project.

[History](#)
A summary of the history of the project.

[How can I help ?](#)
If you would like to support the web..

[Getting code](#)
Getting the code by [anonymous FTP](#) , etc.







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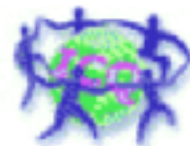
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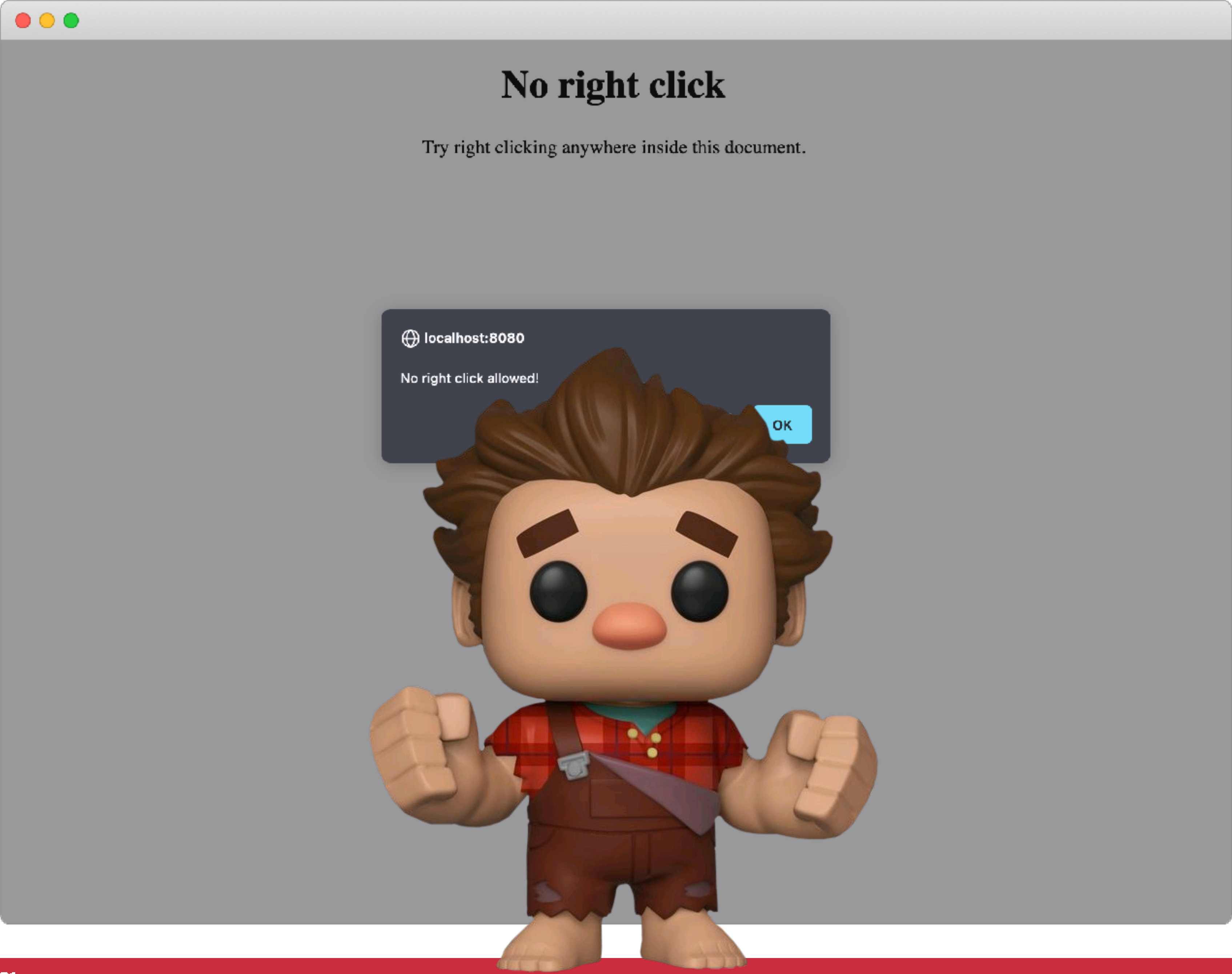
HIJACKING THE USER EXPERIENCE

HIJACKING THE USER EXPERIENCE

NO RIGHT CLICK

No right click

Try right clicking anywhere inside this document.



```

var message = "No right click allowed!";

function clickIE4() {
    if (event.button == 2) {
        alert(message);
        return false;
    }
}

function clickNS4(e) {
    if (document.layers || (document.getElementById && !document.all)) {
        if (e.which == 2 || e.which == 3) {
            alert(message);
            return false;
        }
    }
}

if (document.layers) {
    document.captureEvents(Event.MOUSEDOWN);
    document.onmousedown = clickNS4;
} else if (document.all && !document.getElementById) {
    document.onmousedown = clickIE4;
}

document.oncontextmenu = new Function("alert(message);return false");

```



The screenshot shows a Google search interface with the query "no right click script" entered in the search bar. The search results are displayed below the search bar, showing four main results. The first result is from BoogieJack.com, the second is from Dynamic Drive, the third is from Computer Hope, and the fourth is from Stack Overflow. Each result includes a title, a description, and a link to the source. The search results are sorted by relevance, and the first result is highlighted with a blue border.

Google no right click script

Sign in

All Videos Images News Shopping More Tools

About 700.000.000 results (0,49 seconds)

<http://www.boogiejack.com> › no_right_click

No Right-click Code - BoogieJack.com

Here is the code to a **no right-click script** that works in IE and Firefox.

<http://www.dynamicdrive.com> › dynamicindex9 › nori...

No right mouse click script III (no alert) - Dynamic Drive

Description: A "silent" version of the popular **No Right Click script** that doesn't alert a ... Demo:
Try right clicking anywhere inside this document.

<https://www.computerhope.com> › ... › Tricks

Disable mouse right-click - Computer Hope

16 Aug 2021 — Today, many of the code examples used to disable the **right-click** no longer work in modern browsers. Also, disabling the **right-click** can ...

<https://stackoverflow.com> › questions › how-do-i-disabl...

How do I disable right click on my web page? - Stack Overflow

10 Apr 2009 — **No** matter what you do, you can't prevent users from having full access to every bit of data on your website. Any Javascript you code can be ...

28 answers · Top answer: You can do that with JavaScript by adding an event listener for the "...

How to disable mouse right click on a web page ...	10 answers	21 Jun 2010
How to hide html source & disable right click and ...	20 answers	6 Jul 2011
How to disable right click in html without using ...	1 answer	22 May 2017
How to disable right-click context-menu in JavaScript ...	5 answers	19 Dec 2008

[More results from stackoverflow.com](#)

HIJACKING THE USER EXPERIENCE

NO TEXT SELECT

No text select

Donec ullamcorper nulla non metus auctor fringilla. Cras mattis consectetur purus sit amet fermentum. Donec ullamcorper nulla non metus auctor fringilla. Nullam quis risus eget urna mollis ornare vel eu leo. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Nullam quis risus eget urna mollis ornare vel eu leo.

Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Etiam porta sem malesuada magna mollis euismod. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Morbi leo risus, porta ac consectetur ac, vestibulum at eros. Aenean lacinia bibendum nulla sed consectetur.

No text select

Donec ullamcorper nulla non metus auctor fringilla. Cras mattis consectetur purus sit amet fermentum. Donec ullamcorper nulla non metus auctor fringilla. Nullam quis risus eget urna mollis ornare vel eu leo. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Nullam quis risus eget urna mollis ornare vel eu leo.

Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Etiam porta sem malesuada magna mollis euismod. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Morbi leo risus, porta ac consectetur ac, vestibulum at eros. Aenean lacinia bibendum nulla sed consectetur.




```
<body onmousedown="return false" onselectstart="return true">
```



Google

javascript disable text selection

✕ | 🔍

⚙️

☰

Sign in

🔍 All

🖼️ Images

📺 Videos

📰 News

🛒 Shopping

⋮ More

Tools

About 17.100.000 results (0,50 seconds)

How to Disable Text Selection with JavaScript | Apply the `onmousedown` and `onselectstart` Events to the `<body>` or `<div>` tags to prevent text selection and copy/cut on your website. It override the default behavior of the browsers.

<https://www.w3docs.com> > Snippets > JavaScript

How to Disable Text Selection, Copy, Cut, Paste and Right-click

🔍 About featured snippets • 🗉 Feedback

<https://stackoverflow.com> > questions > javascript-disab...

javascript: Disable Text Select - Stack Overflow

23 Feb 2017 — Except new Function (return false) is not a valid javascript code. Use just `document.onselectstart = disableselect` . — amik. Jun 10 '20 at 11:44.

6 answers · 226 votes: Just use this css method: `body{ -webkit-touch-callout: none; -webkit-us...`

How to disable text selection highlighting - Stack ...	50 answers	20 Dec 2017
How do I disable text selection with CSS or JavaScript ?	5 answers	16 Feb 2012
How to disable selection of text on a web page ...	6 answers	12 Sep 2014
How to disable text selection using jQuery? - Stack ...	13 answers	9 Nov 2011

[More results from stackoverflow.com](#)

People also ask

How do I turn off text selection? ▾

How do I turn off cursor selection? ▾

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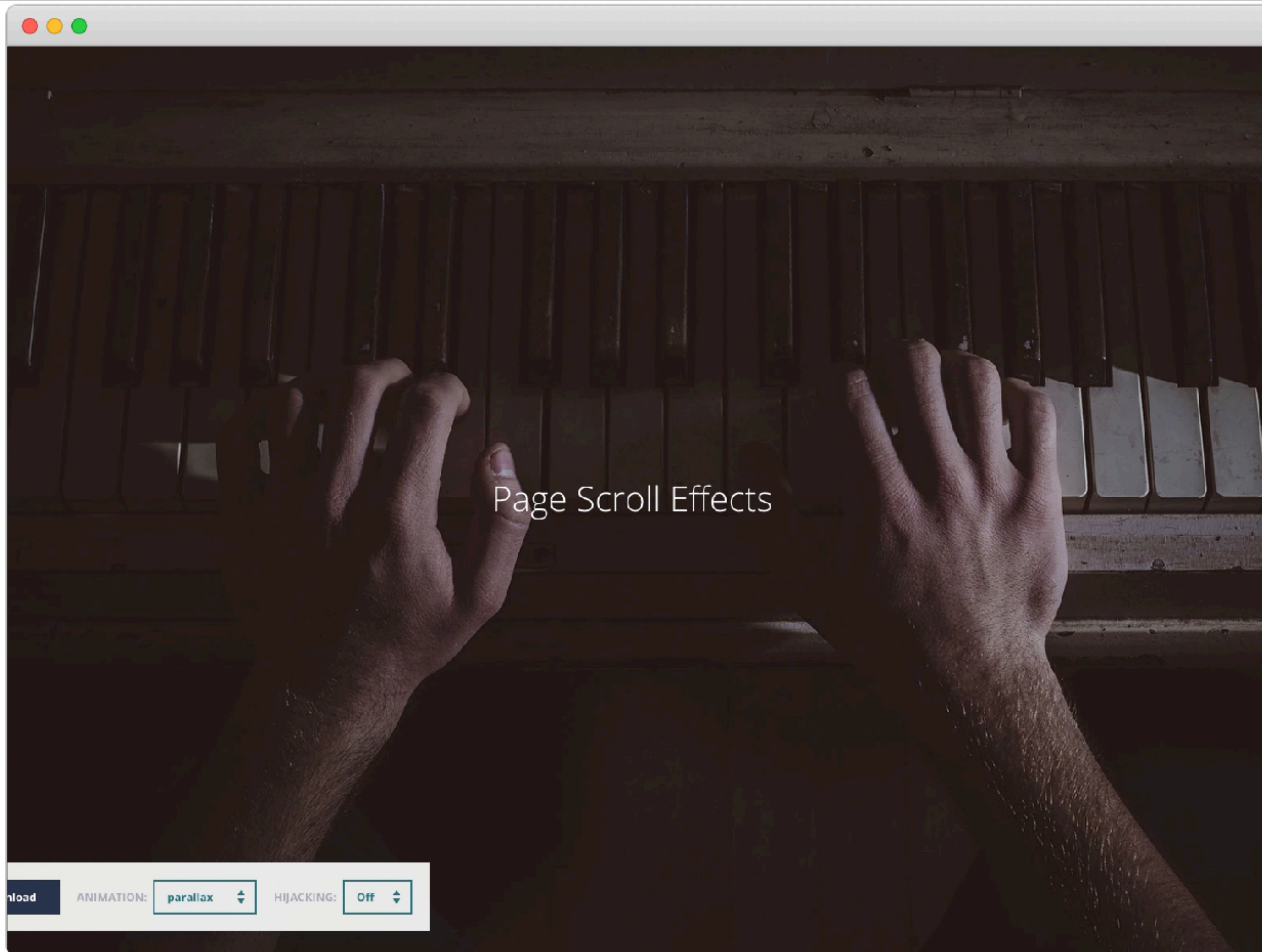
PARALLAX & SCROLLJACKING

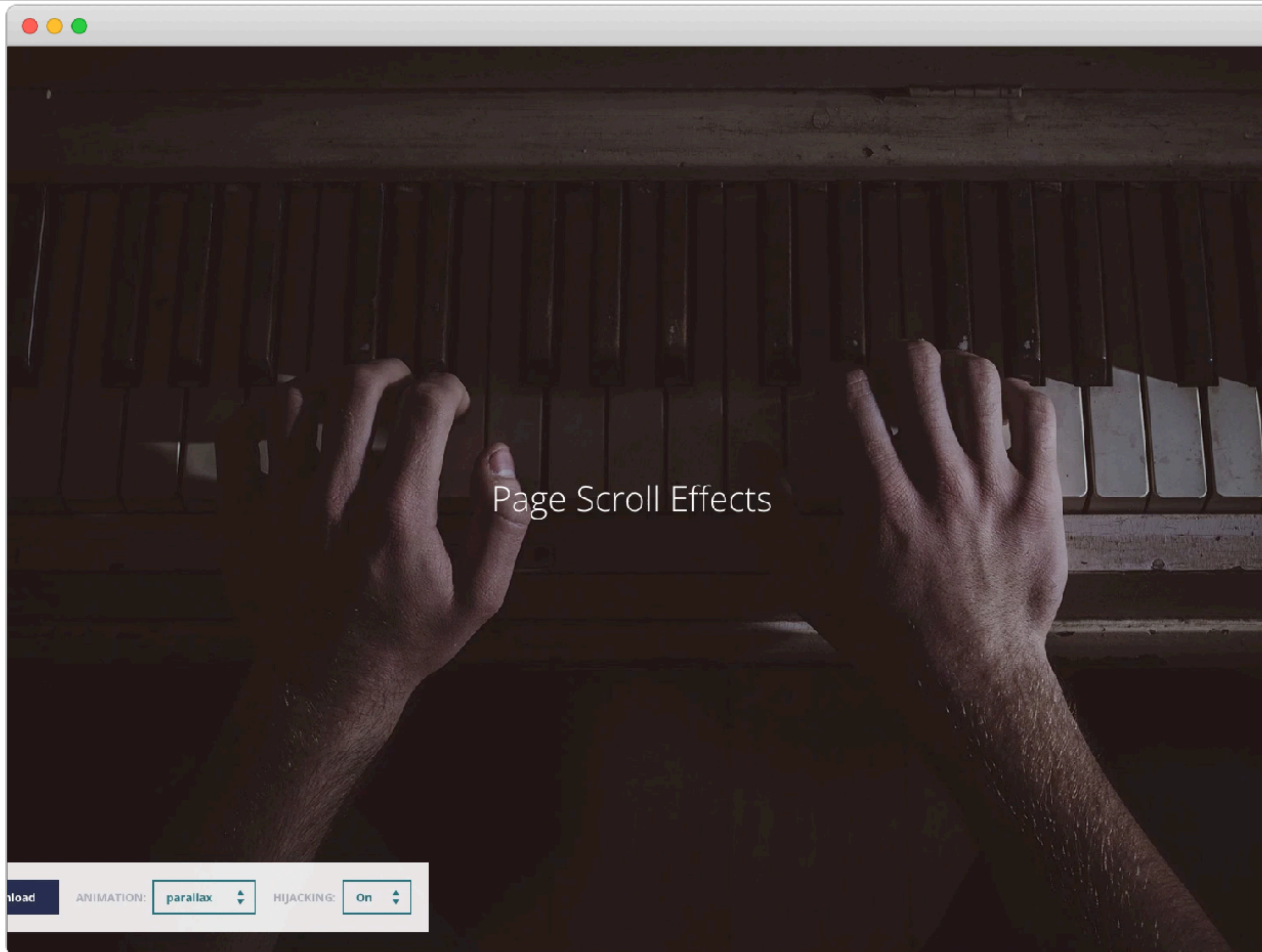
Parallax scrolling is when the background on a website is moved at a different speed than the foreground content while scrolling.

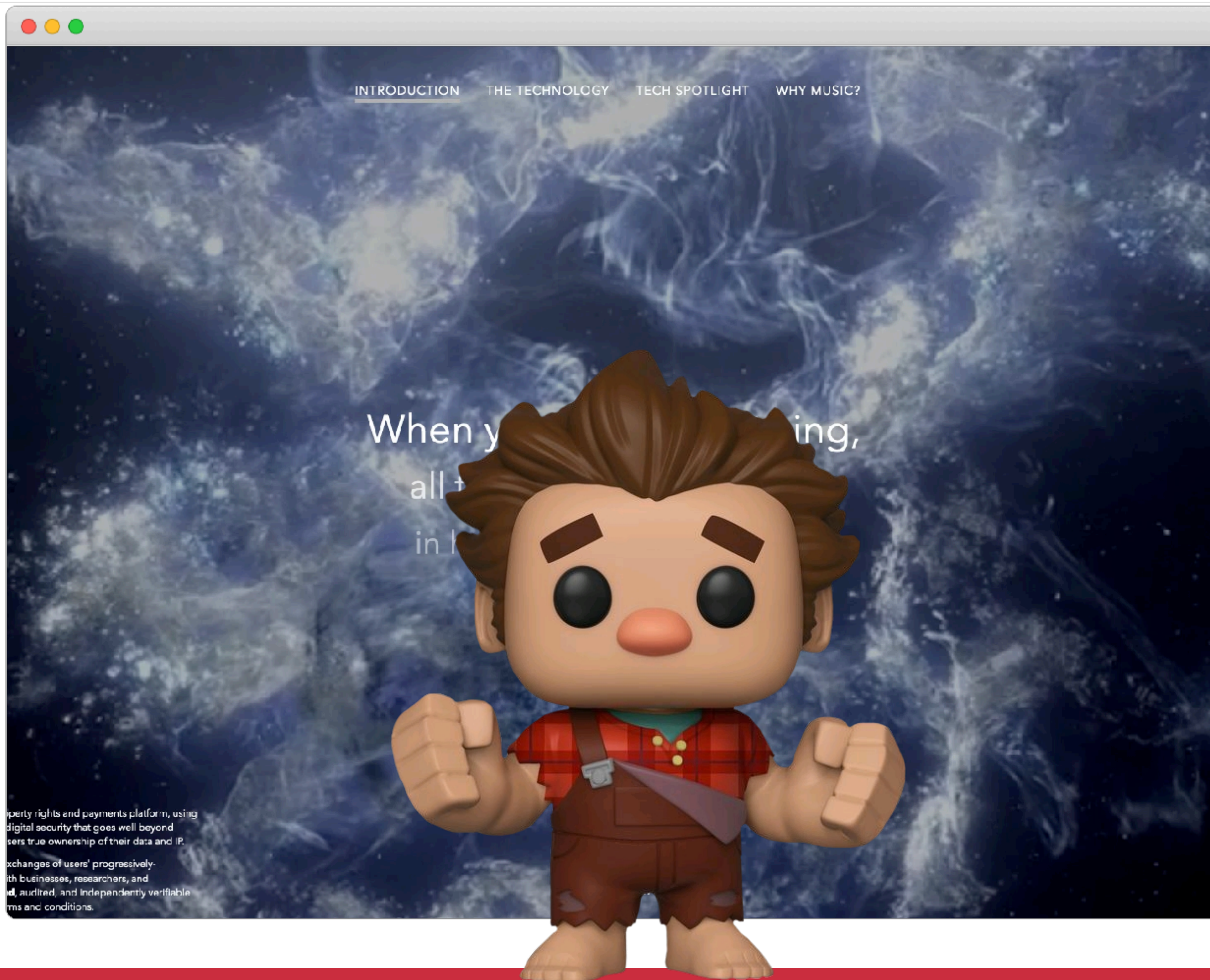
HIJACKING THE USER EXPERIENCE

PARALLAX & SCROLLJACKING

Scrolljacking is when a website overrides expected up/down scrolling patterns on a page.

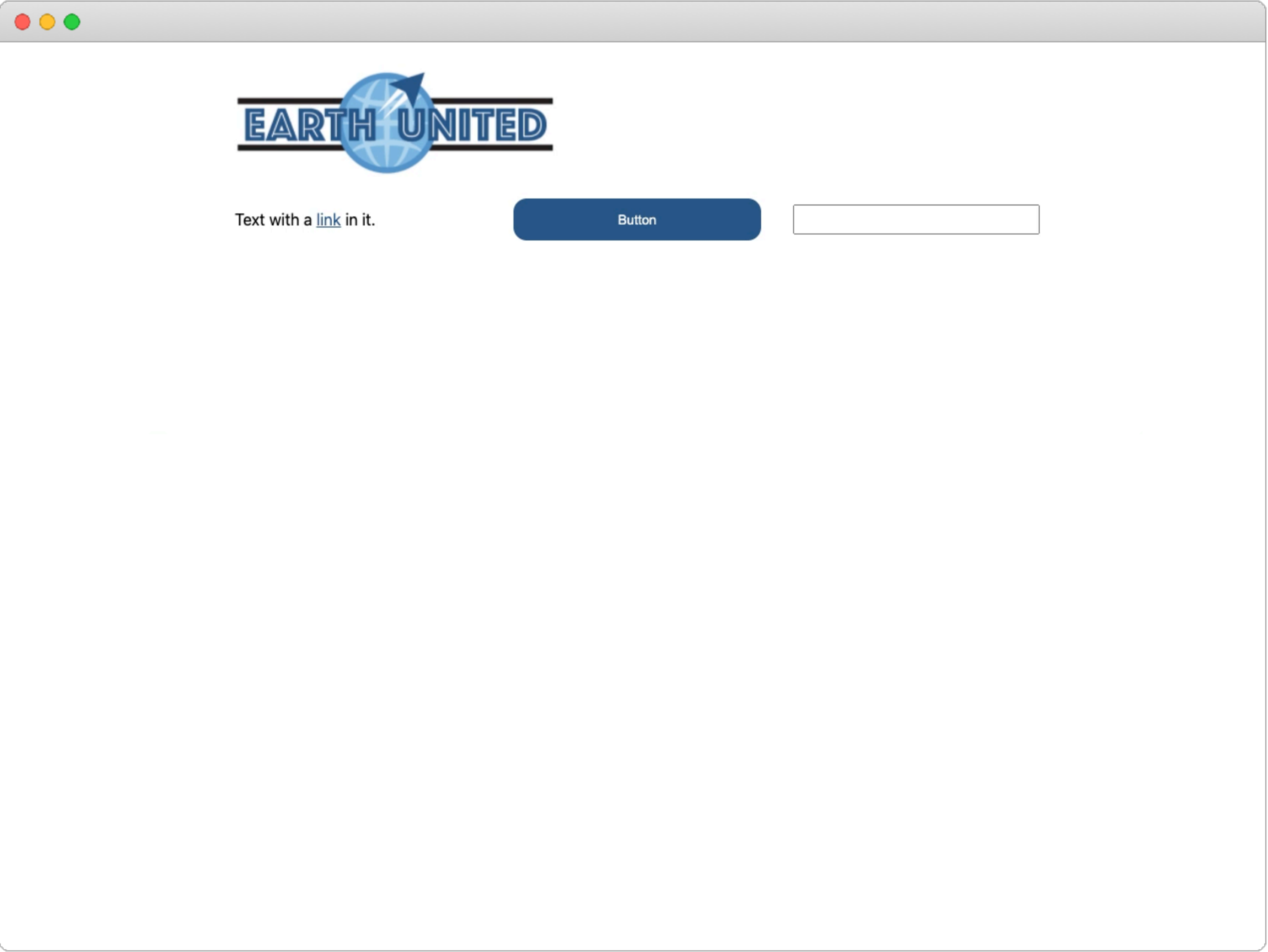






HIJACKING THE USER EXPERIENCE

REMOVING THE FOCUS OUTLINE



```
*:focus {  
  outline: 0;  
}
```





Text with a [link](#) in it.

Button

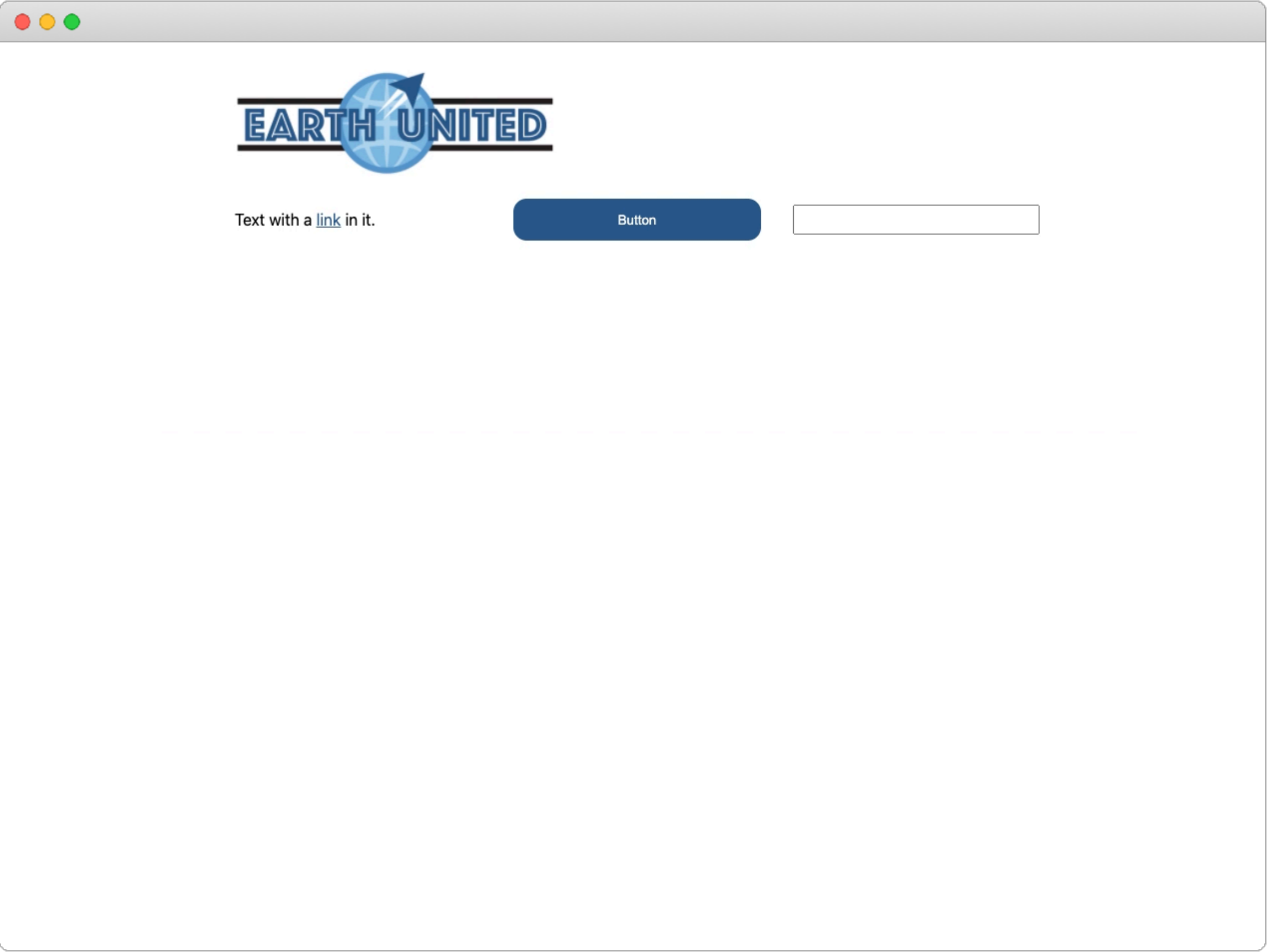


```
a:focus {  
  outline: 2px dotted  
#27578a;  
}
```

```
button:focus {  
  outline: 0;  
  background-color: #afd5ee;  
  color: #27578a;  
}
```

```
input:focus {  
  outline: 0;  
  background-color: #afd5ee;  
  border: 2px solid #27578a;  
}
```





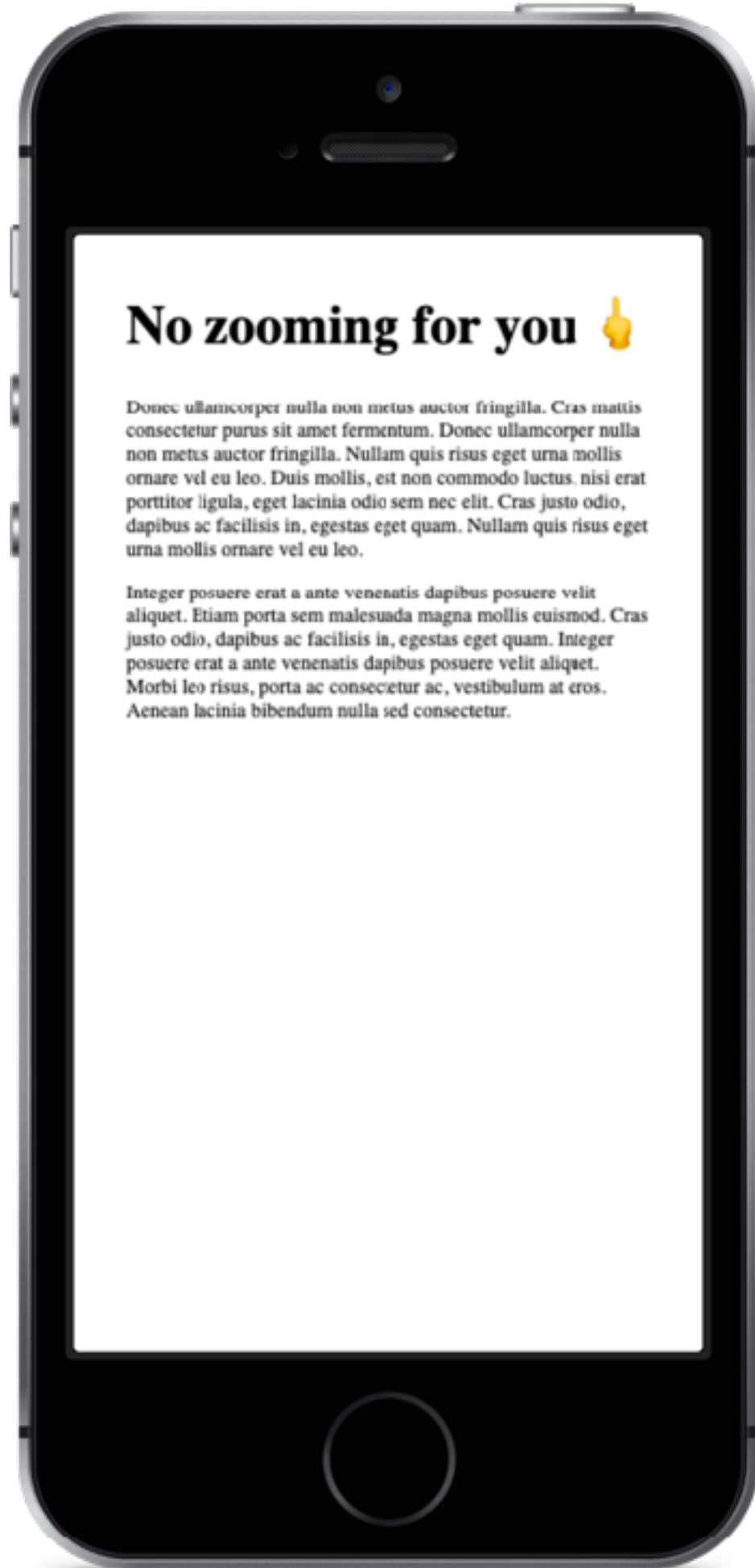
HIJACKING THE USER EXPERIENCE

DON'T TOUCH ME!!!



```
<meta
  name="viewport"
  content="width=device-width, initial-scale=1.0"
/>
```





```
<meta
  name="viewport"
  content="width=device-width, initial-scale=1.0,
          user-scalable=no"
/>
```

Ignored by Safari (since iOS 10) and most browsers on Android



TOUCH-ACTION

The touch-action CSS property sets how an element's region can be manipulated by a touchscreen user.



```
<body>
  <div>
    <main>
      <!-- page content -->
    </main>
  </div>
</body>
```



```
body {
  height: 100vh;
  width: 100vw;
  margin: 0;
}

body > div {
  touch-action: none;
  height: 100%;
}
```



MAKING ASSUMPTIONS

MAKING ASSUMPTIONS

BROWSER SNIFFING

navigator.userAgent

Firefox

Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:92.0) Gecko/20100101
Firefox/92.0

Safari

Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15
(KHTML, like Gecko) Version/14.1.1 Safari/605.1.15

Chrome

Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/94.0.4606.71 Safari/537.36

Microsoft Edge

Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/94.0.4606.71 Safari/537.36 Edg/94.0.992.38



`navigator.platform`

```
isMobile =  
/Android|webOS|iPhone|iPad|iPod|BlackBerry/.test(navigator.platform);  
  
if (isMobile) {  
    // this might be a mobile device 🙄  
}
```



MAKING ASSUMPTIONS

VIEWPORT WIDTH

`window.matchMedia`

```
const isMobile =  
  window.matchMedia("only screen and (max-width:760px)").matches;  
  
if (isMobile) {  
  // this might be a mobile device 🙋  
}
```



Brad Frost - BDConf Nashville 2013



MAKING ASSUMPTIONS

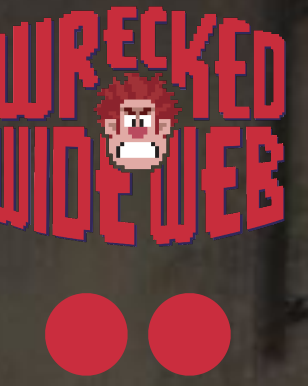
TOUCH

ontouchstart

```
const isMobile = 'ontouchstart' in document.documentElement;  
  
if (isMobile) {  
    // this might be a mobile device 🙋  
}
```



Samsung Family Hub refrigerator - 2016



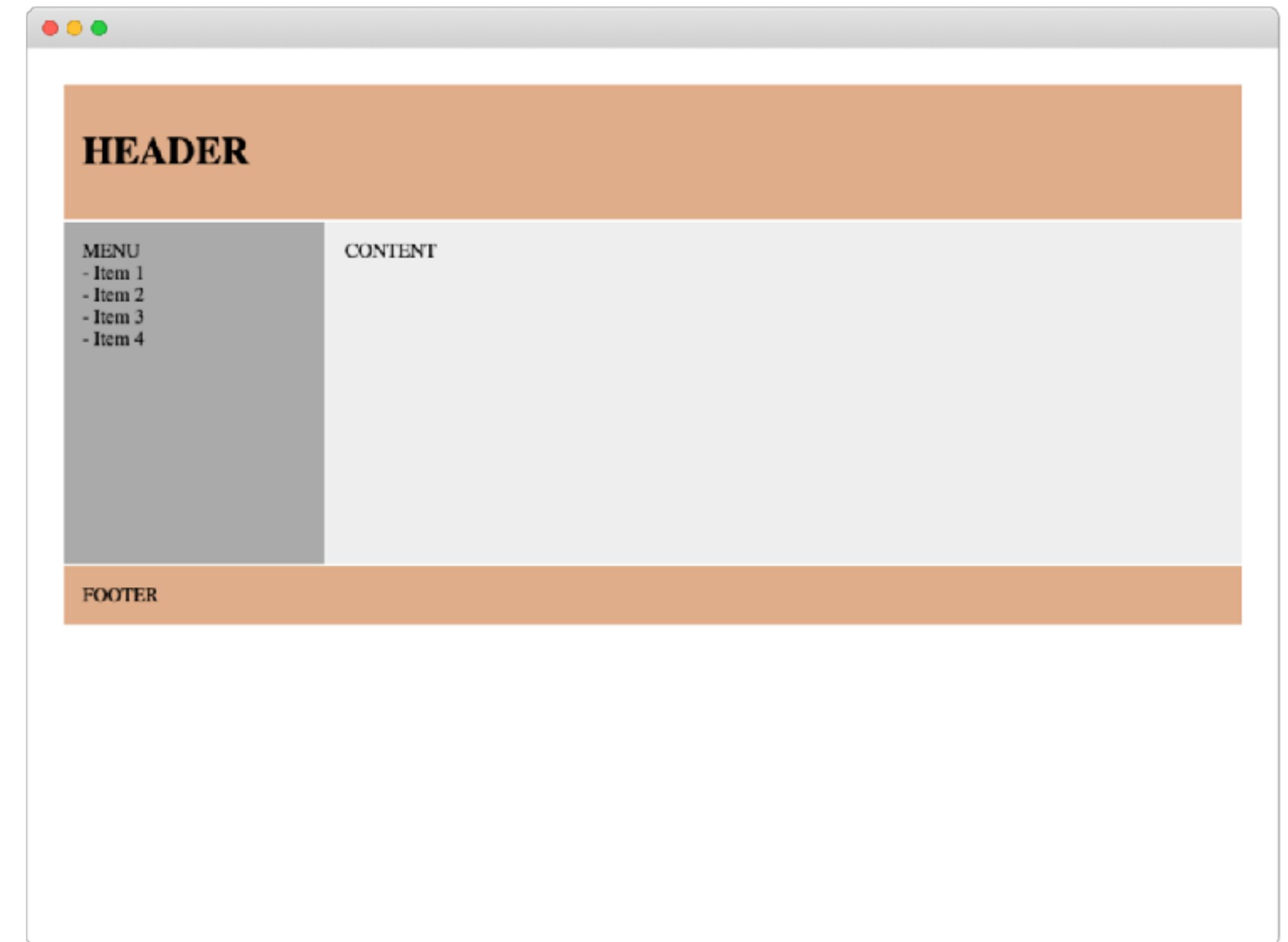
I'VE GOT 99+ HTML ELEMENTS

and the DIV is just one ...

I'VE GOT 99+ HTML ELEMENTS

LAYOUT


```
<table width="100%" border="0" cellpadding="15">
  <tr>
    <td colspan="2" bgcolor="#DFAD89">
      <h1>HEADER </h1>
    </td>
  </tr>
  <tr valign="top">
    <td bgcolor="#aaa" width="50">
      MENU<br />
      - Item 1<br />
      - Item 2<br />
      - Item 3<br />
      - Item 4<br />
    </td>
    <td bgcolor="#eee" width="250">
      CONTENT
    </td>
  </tr>
  <tr>
    <td colspan="2" bgcolor="#DFAD89">
      FOOTER
    </td>
  </tr>
</table>
```



```
<table>
  <caption>Cast of Wreck-It Ralph</caption>
  <thead>
    <tr>
      <th>Character</th>
      <th>Actor</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Wreck-It Ralph</td>
      <td>John C. Reilly</td>
    </tr>
    <tr>
      <td>Jack McBrayer</td>
      <td>Fix-It Felix Jr.</td>
    </tr>
    <tr>
      <td>Vanellope von Schweetz</td>
      <td>Sarah Silverman</td>
    </tr>
  </tbody>
</table>
```

Character	Actor
Wreck-It Ralph	John C. Reilly
Jack McBrayer	Fix-It Felix Jr.
Vanellope von Schweetz	Sarah Silverman




```
<div class="wrapper">
  <div class="container" id="header">
    <div class="logo">
      <a href="/"></a>
    </div>
    <div class="site-navigation">
      <a href="/">Home</a>
      <a href="/about">About</a>
      <a href="/contact">Contact</a>
    </div>
  </div>
  <div class="container" id="main">
    <div class="main-header-level-1">Our website</div>
    <div>Donec ullamcorper nulla non metus auctor fringilla.
      Cras mattis consectetur purus sit amet fermentum...</div>
  </div>
  <div class="container" id="footer">
    &copy; 2021 our company
  </div>
</div>
```



```
<div>
  <div>
    <div>
      <div>
        </div>
      <div>
        </div>
      </div>
    </div>
  </div>
  <div>
    <div>
      <div>
        <div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```




```
<div class="container" id="header">
  <div class="logo">
    <a href="/"></a>
  </div>
  <div class="site-navigation">
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/contact">Contact</a>
  </div>
</div>
```



```
<header class="container">
  <a class="logo" href="/"></a>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/contact">Contact</a>
  </nav>
</header>
```



```
<div class="container" id="main">  
  <div class="main-header-level-1">Our website</div>  
  <div>Donec ullamcorper nulla non metus auctor fringilla.  
    Cras mattis consectetur purus sit amet fermentum... </div>  
</div>
```



```
<main class="container">  
  <h1>Our website</h1>  
  <p>Donec ullamcorper nulla non metus auctor fringilla.  
    Cras mattis consectetur purus sit amet fermentum... </p>  
</main>
```



```
<div class="container" id="footer">  
  &copy; 2021 our company  
</div>
```



```
<footer class="container">  
  &copy; 2021 our company  
</footer>
```




```
<div class="wrapper">
  <div class="container" id="header">
    <div class="logo">
      <a href="/"></a>
    </div>
    <div class="site-navigation">
      <a href="/">Home</a>
      <a href="/about">About</a>
      <a href="/contact">Contact</a>
    </div>
  </div>
  <div class="container" id="main">
    <div class="main-header-level-1">Our website</div>
    <div>Donec ullamcorper nulla non metus auctor fringilla.
      Cras mattis consectetur purus sit amet fermentum...</div>
  </div>
  <div class="container" id="footer">
    &copy; 2021 our company
  </div>
</div>
```



```
<div class="wrapper">
  <header class="container">
    <a class="logo" href="/"></a>
    <nav>
      <a href="/">Home</a>
      <a href="/about">About</a>
      <a href="/contact">Contact</a>
    </nav>
  </header>
  <main>
    <h1>Our website</h1>
    <p>Donec ullamcorper nulla non metus auctor fringilla.
      Cras mattis consectetur purus sit amet fermentum...</p>
  </main>
  <footer class="container">
    &copy; 2021 our company
  </footer>
</div>
```

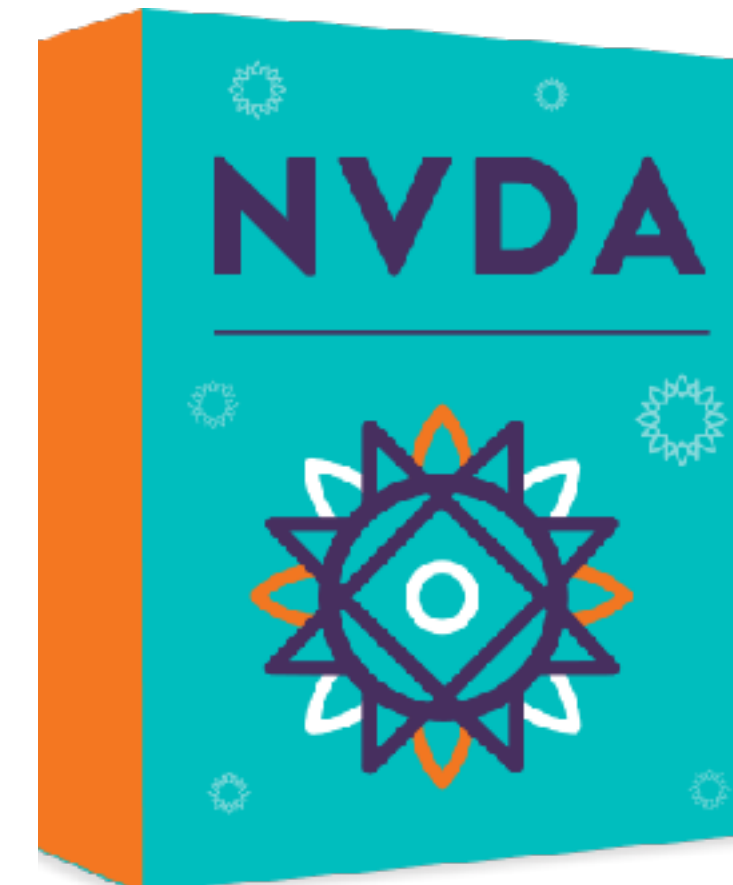


SCREEN READERS

macOS



Windows



I'VE GOT 99+ HTML ELEMENTS

TAG, YOU'RE IT

```
<article>  
<aside>  
<footer>  
<header>  
<main>  
<nav>  
<section>
```

```
<h1>  
<h2>  
<h3>  
<h4>  
<h5>  
<h6>
```

```
<ol>  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

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

```

```

```
<a href="felix.html">Felix will fix it</a>
```



I'VE GOT 99+ HTML ELEMENTS

REINVENT THE BUTTON


```
<form id="newsletterForm">  
  <label>E-mail</label>  
  <input name="email">  
  <div>  
    Submit  
  </div>  
</form>
```

```
<script>
```

```
</script>
```



needs to listen to click event

```
<form id="newsletterForm">
  <label>E-mail</label>
  <input name="email">
  <div id="submitButton">
    Submit
  </div>
</form>
```

```
<script>
```

```
const el = document.getElementById("submitButton");
```

```
el.addEventListener("click", (event) => {
});
```

```
</script>
```



needs to submit the form

```
<form id="newsletterForm">
  <label>E-mail</label>
  <input name="email">
  <div id="submitButton">
    Submit
  </div>
</form>
```

```
<script>
```

```
const el = document.getElementById("submitButton");
```

```
el.addEventListener("click", (event) => {
  submitForm();
});
```

```
const submitForm = () => {
  document.getElementById("newsletterForm").submit();
};
</script>
```




```
<form id="newsletterForm">
  <label>E-mail</label>
  <input name="email">
  <div id="submitButton" tabindex="0">
    Submit
  </div>
</form>
```

```
<script>
```

```
const el = document.getElementById("submitButton");
```

```
el.addEventListener("click", (event) => {
  submitForm();
});
```

```
const submitForm = () => {
  document.getElementById("newsletterForm").submit();
};
</script>
```

needs to be focusable



```
<form id="newsletterForm">
  <label>E-mail</label>
  <input name="email">
  <div id="submitButton" tabindex="0" role="button">
    Submit
  </div>
</form>
```

needs to be accessible



```
<script>
```

```
const el = document.getElementById("submitButton");
```

```
el.addEventListener("click", (event) => {
  submitForm();
});
```

```
const submitForm = () => {
  document.getElementById("newsletterForm").submit();
};
</script>
```



needs to look like a button

```
<form id="newsletterForm">
  <label>E-mail</label>
  <input name="email">
  <div id="submitButton" tabindex="0" role="button" class="btn">
    Submit
  </div>
</form>
```

```
<script>
```

```
const el = document.getElementById("submitButton");
```

```
el.addEventListener("click", (event) => {
  submitForm();
});
```

```
const submitForm = () => {
  document.getElementById("newsletterForm").submit();
};
</script>
```



needs to work with a keyboard

```
<form id="newsletterForm">
  <label>E-mail</label>
  <input name="email">
  <div id="submitButton" tabindex="0" role="button" class="btn">
    Submit
  </div>
</form>
```

```
<script>
```

```
const ENTER = 13;
```

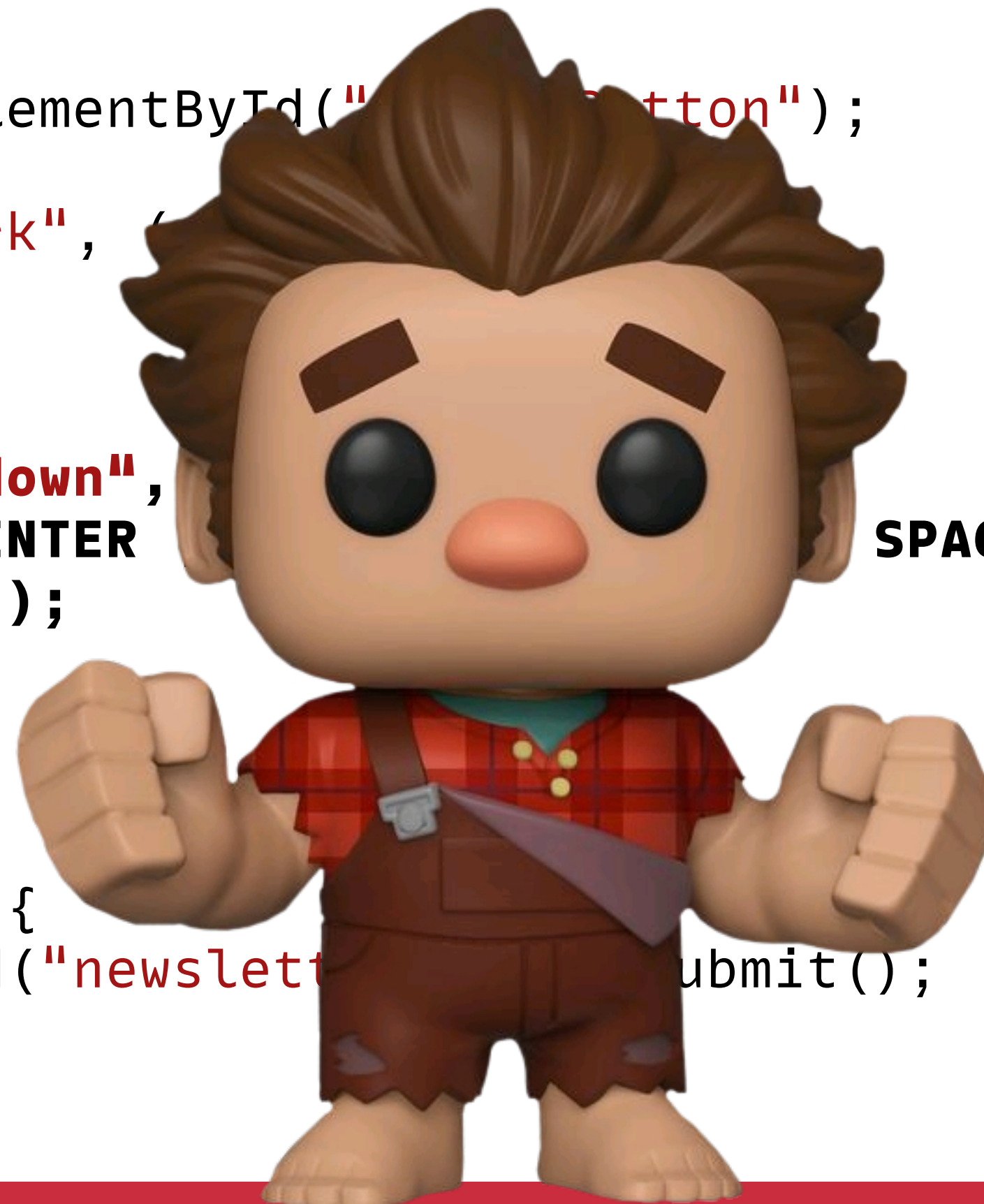
```
const SPACE = 32;
```

```
const el = document.getElementById("submitButton");
```

```
el.addEventListener("click", () => {
  submitForm();
});
```

```
el.addEventListener("keydown", (event) => {
  if (event.keyCode === ENTER || event.keyCode === SPACE) {
    event.preventDefault();
    submitForm();
  }
});
```

```
const submitForm = () => {
  document.getElementById("newsletterForm").submit();
};
</script>
```



```
<form id="newsletterForm">
  <label for="email">E-mail</label>
  <input id="email" name="email">

  <button class="btn">Submit</button>

</form>
```



YOU'VE GOT 99+ HTML ELEMENTS

<A> <ABBR> <ADDRESS> <AREA> <ARTICLE> <ASIDE> <AUDIO> <BASE> <BDI> <BDO> <BLOCKQUOTE> <BODY>

 <BUTTON> <CANVAS> <CAPTION> <CITE> <CODE> <COL> <COLGROUP> <DATA> <DATALIST> <DD> <DETAILS> <DFN>
 <DIALOG> <DIV> <DL> <DT> <EMBED> <FIELDSET> <FIGCAPTION> <FIGURE> <FOOTER> <FORM> <H1> <H2> <H3>
 <H4> <H5> <H6> <HEAD> <HEADER> <HR> <HTML> <I> <IFRAME> <INPUT> <INS> <KBD> <LABEL> <LEGEND>
 <LINK> <MAIN> <MAP> <MARK> <MATH> <MENU> <META> <METER> <NAV> <NOSCRIPT> <OBJECT> <OPTGROUP>
 <OPTION> <OUTPUT> <P> <PARAM> <PICTURE> <PORTAL> <PRE> <PROGRESS> <Q> <RP> <RT> <RUBY> <S> <SAMP>
 <SCRIPT> <SECTION> <SELECT> <SLOT> <SMALL> <SOURCE> <STYLE> <SUB> <SUMMARY> <SUP>
 <SVG> <TABLE> <TBODY> <TD> <TEMPLATE> <TEXTAREA> <TFOOT> <TH> <THEAD> <TIME> <TITLE> <TR> <TRACK> <U>
 <VAR> <VIDEO> <WBR>

YOU'VE GOT 99+ HTML ELEMENTS

<A> <ABBR> <ADDRESS> <AREA> <ARTICLE> <ASIDE> <AUDIO> <BASE> <BDI> <BDO> <BLOCKQUOTE> <BODY>

 <BUTTON> <CANVAS> <CAPTION> <CITE> <CODE> <COL> <COLGROUP> <DATA> <DATALIST> <DD> <DETAILS> <DFN>
 <DIALOG> <DIV> <DL> <DT> <EMBED> <FIELDSET> <FIGCAPTION> <FIGURE> <FOOTER> <FORM> <H1> <H2> <H3>
 <H4> <H5> <H6> <HEAD> <HEADER> <HR> <HTML> <I> <IFRAME> <INPUT> <INS> <KBD> <LABEL> <LEGEND>
 <LINK> <MAIN> <MAP> <MARK> <MATH> <MENU> <META> <METER> <NAV> <NOSCRIPT> <OBJECT> <OPTGROUP>
 <OPTION> <OUTPUT> <P> <PARAM> <PICTURE> <PORTAL> <PRE> <PROGRESS> <Q> <RP> <RT> <RUBY> <S> <SAMP>
 <SCRIPT> <SECTION> <SELECT> <SLOT> <SMALL> <SOURCE> <STYLE> <SUB> <SUMMARY> <SUP>
 <SVG> <TABLE> <TBODY> <TD> <TEMPLATE> <TEXTAREA> <TFOOT> <TH> <THEAD> <TIME> <TITLE> <TR> <TRACK> <U>
 <VAR> <VIDEO> <WBR>

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

DEATH TO BULLSHIT

DEATH TO BULLSHIT





Charís - 2021

Trying to read the news 🙄



DEATH TO BULLSHIT

GENERAL DATA PROTECTION REGULATION

The GDPR affect how website may use cookies
and online tracking of visitors from the EU.


MORNING NEWS
SEGMENTS ▾
NEWS
ENTERTAINMENT
TECHNOLOGY
CONTESTS
COMMUNITY

TECHNOLOGY

Roomba guarantees their latest robot vacuum won't "distribute" pet waste all over your floor



AT&T fiber

NEW ROOMA AVOIDS PET WASTE

TRAFFIC

CA-60 E/B: exit ramp to S Grove Ave stalled vehicle.

CA-210 Westbound CA-21

67°

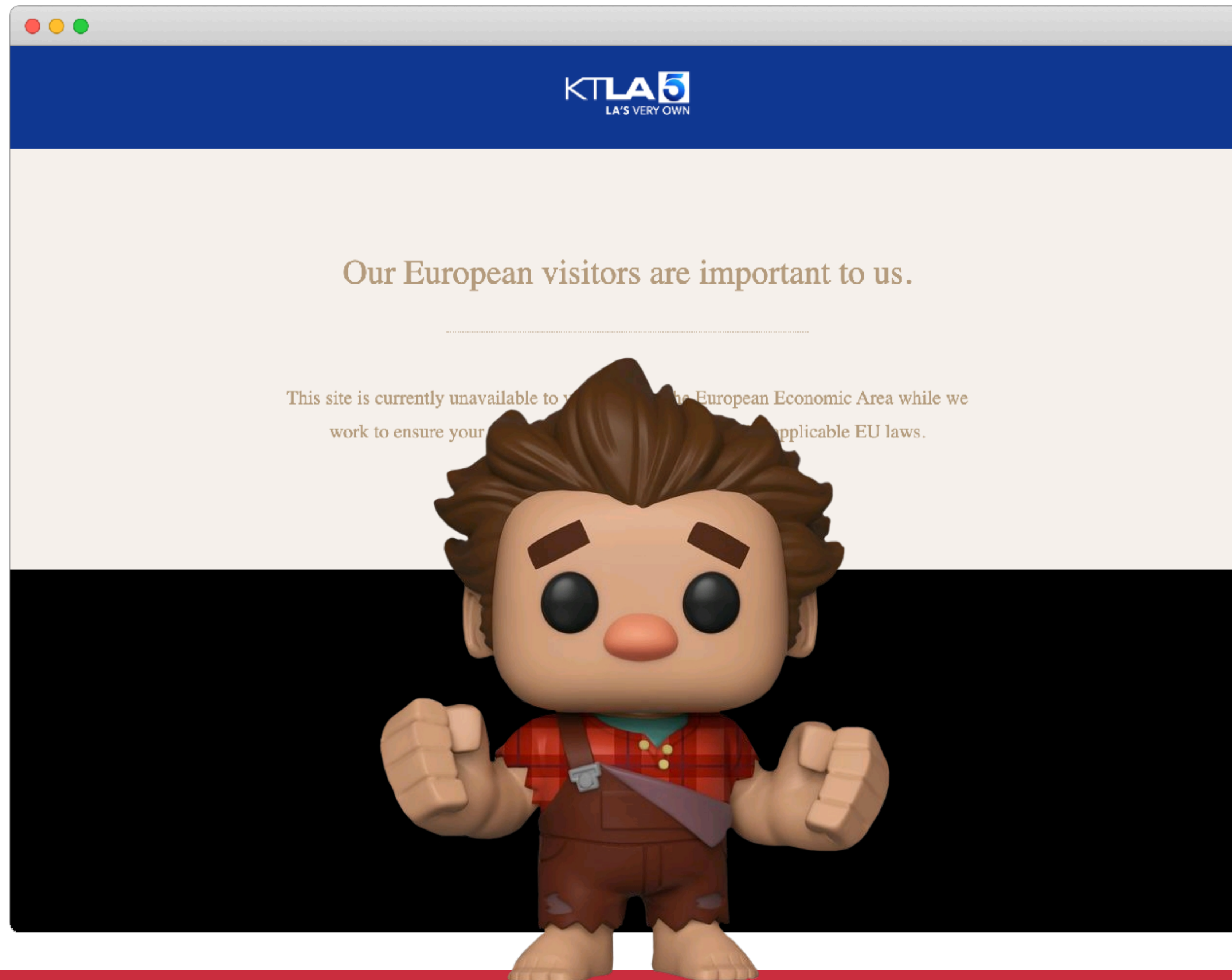
5:38A

by: Rich DeMuro

Posted: Sep 9, 2021 / 05:51 AM PDT / Updated: Sep 9, 2021 / 06:10 AM PDT

MOST POPULAR

- California becomes 1st state to make ethnic studies a required class for high school graduation
- LAPD shoots, kills armed person who had taken hostage in downtown L.A.
- California issues more Golden State Stimulus checks, including 1st by mail
- California eases gang enhanced sentence rules under bill signed by Newsom
- Lancaster High School student suing LASD after recorded altercation with deputy
- California becomes 1st state to let adult children add parents to their health care plan
- 18-year-old shot by Long Beach school officer is brain dead, family says



DEATH TO BULLSHIT

PORTABLE DOCUMENT FORMAT



DEATH TO BULLSHIT

CONFUSING THE CUSTOMER



Pelle's
Waarom niet vandaag?

AFHAALKAART

Afhalen kan van woensdag t/m zondag tussen 16.00 en 20.00 uur.
U bestelt via www.bestellen.pelles.nl, Pelle's App of 074 851 16 62.

Waarom niet vandaag?



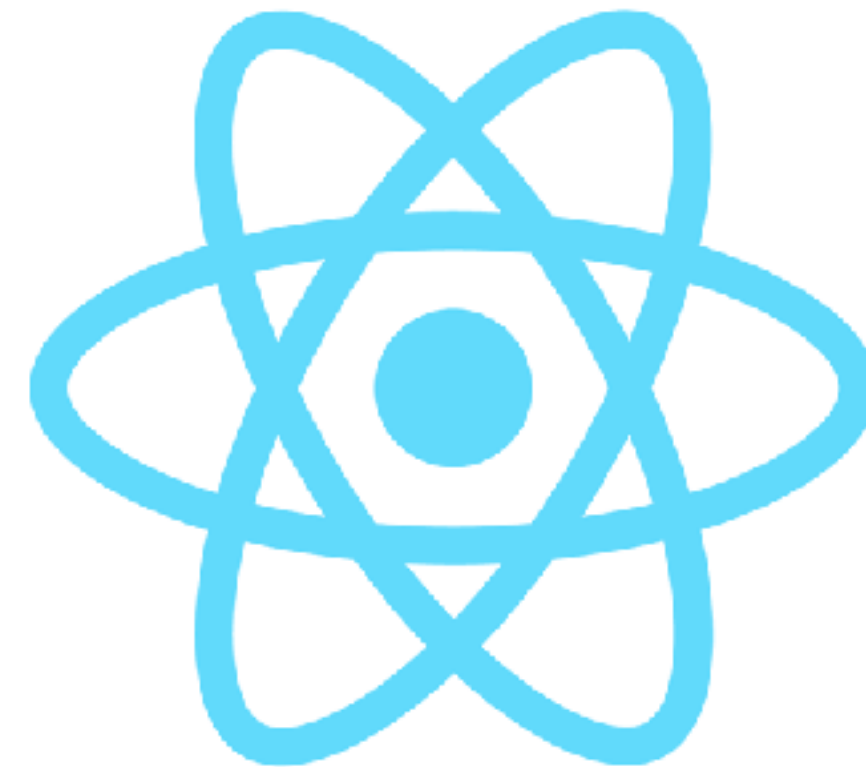




DX VERSUS UX

DX VERSUS UX

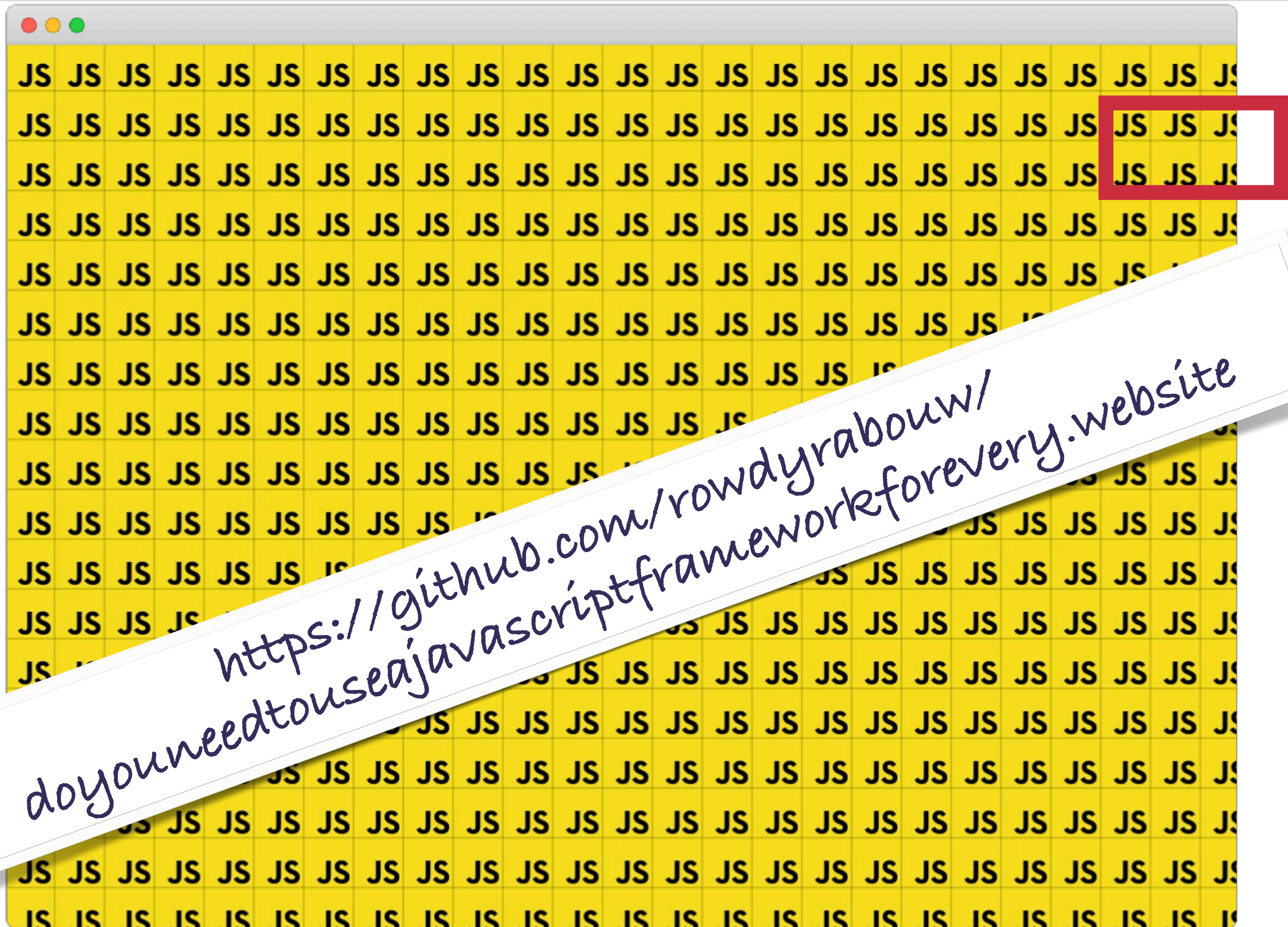
JAVASCRIPT FTW



DX VERSUS UX

JAVASCRIPT FTW

do you need to use a javascript framework for every website



[https://github.com/rowdyraboutw/
youneedtousejavascriptframeworkforevery.website](https://github.com/rowdyraboutw/youneedtousejavascriptframeworkforevery.website)

DX VERSUS UX

CONTENT MANAGEMENT SYSTEMS



DX VERSUS UX

STATIC SITE GENERATORS

A tool that helps you build static pages out of the input files; such as markdown, json or javascript.

It takes your content, applies a selected template, and generates static HTML pages out of it.

 Gridsome

 NuxtJS

 scully

~~NEXT~~.JS

 Gatsby

11ty

 HUGO

jeekyll 

DX VERSUS UX

HEADLESS CMS

It makes content accessible via an API for display on any device, without a built-in front-end or presentation layer.



DX VERSUS UX

DEPENDENCIES

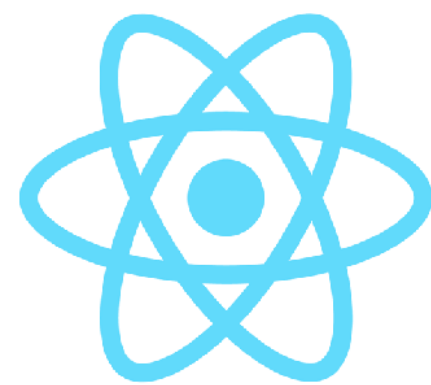


`vue create hello-world`

817 dependencies

24.699 files

164,1 MB



`npx create-react-app hello-world`

1049 dependencies

40,163 files

256,5 MB



`ng new hello-world`

775 dependencies

36,245 files

428,9 MB



`npm install --save-dev @11ty/eleventy`

298 dependencies

10.137 files

81,4 MB



WordPress

3306 files

62,1 MB



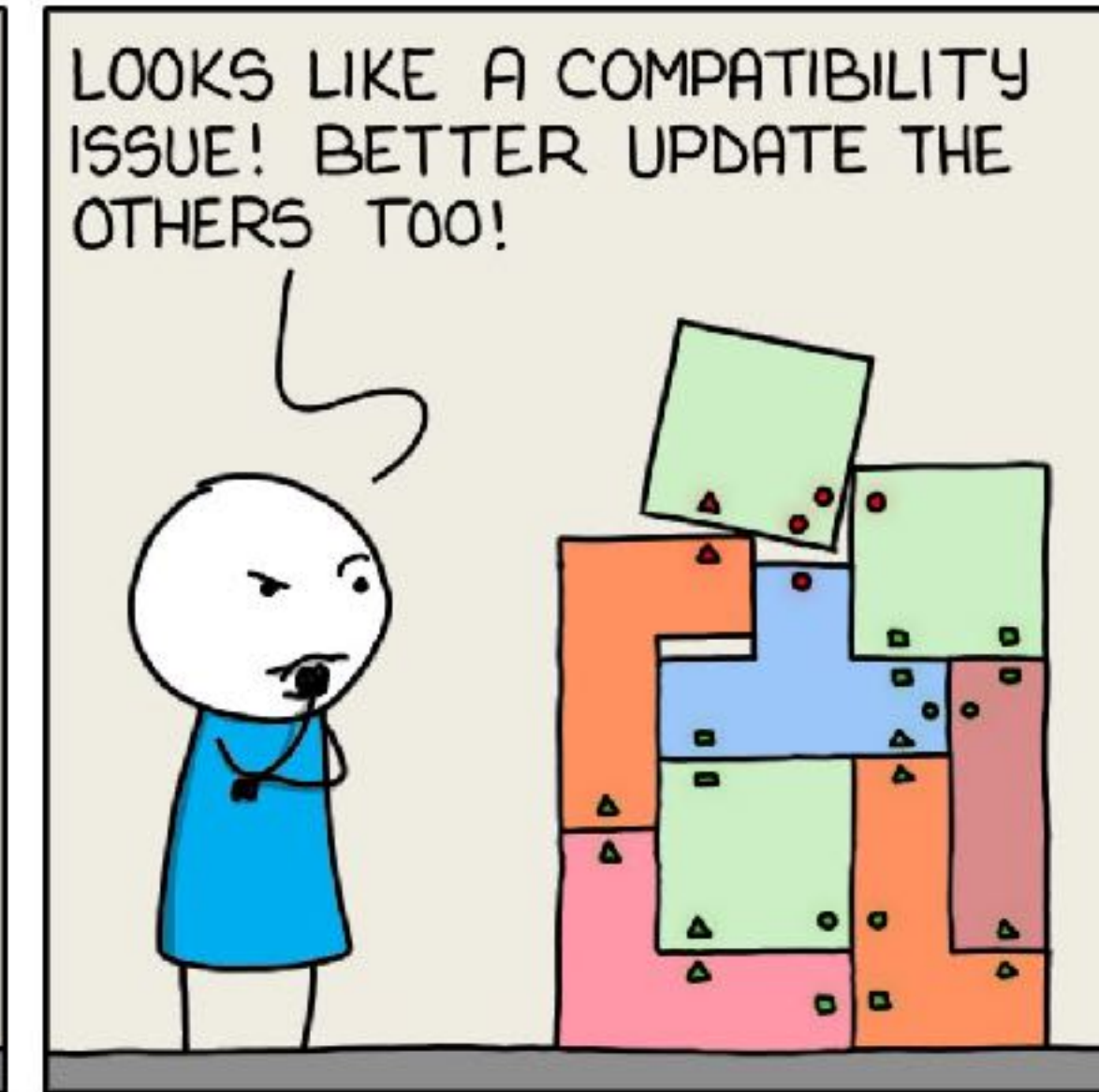
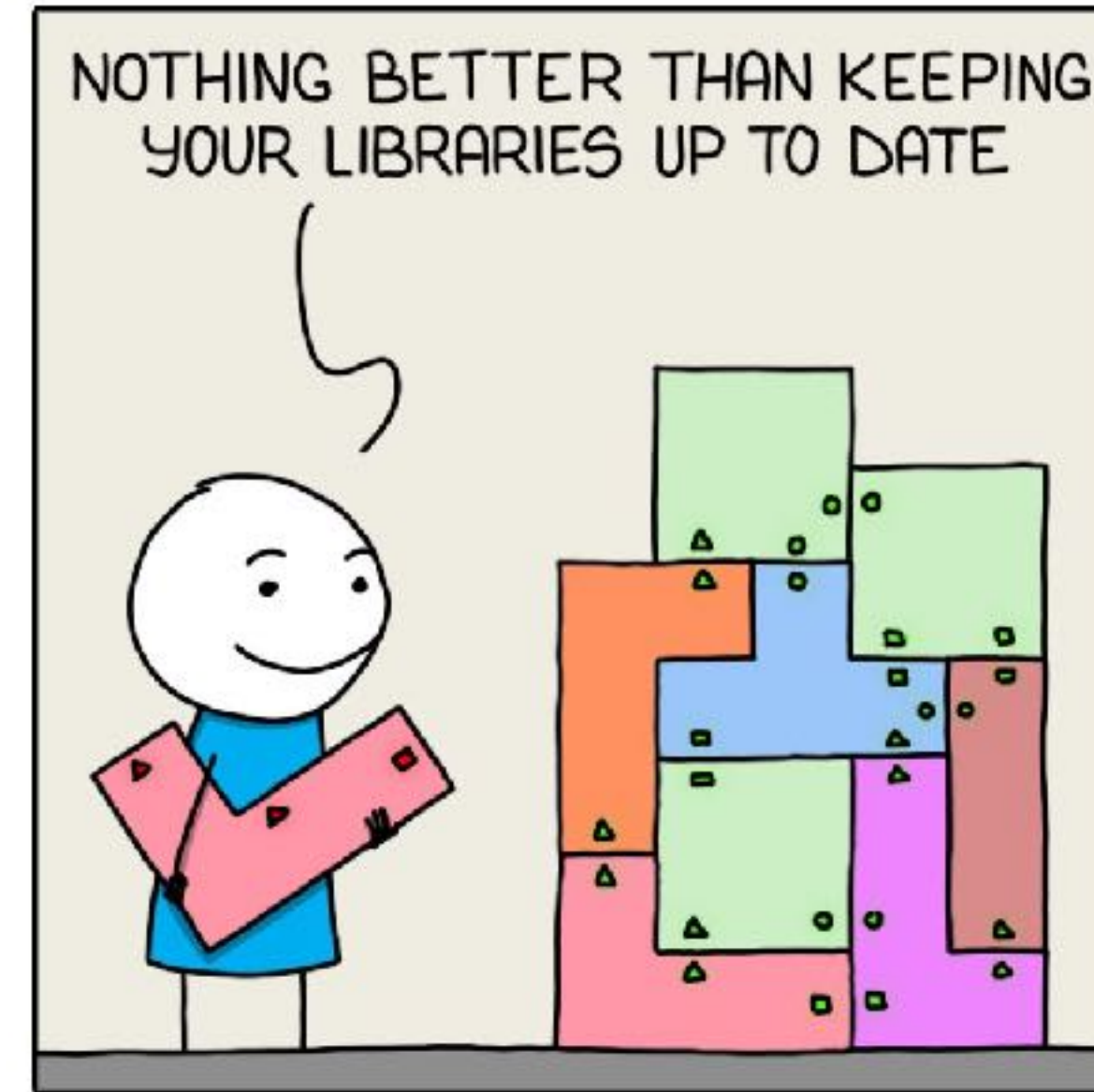
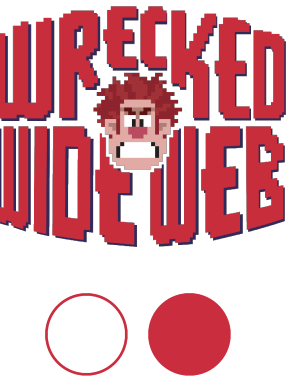
Kirby

748 files

6,7 MB

UPDATE

MONKEYUSER.COM



DX VERSUS UX

CODE LIKE IT'S THE 1990S





"If the only tool you have is a hammer, you tend to see every problem as a nail."

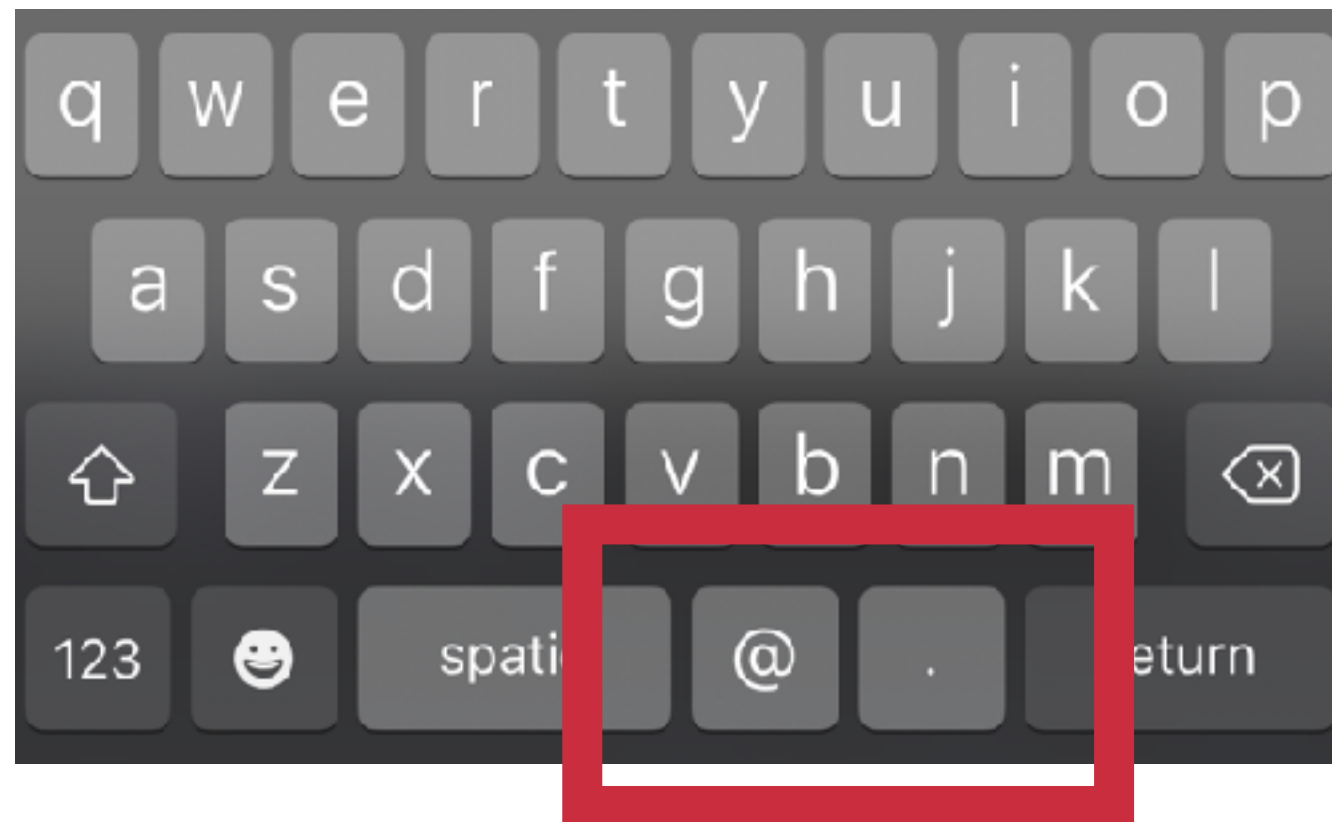
Abraham Maslow

MAKE THE WEB A BETTER PLACE

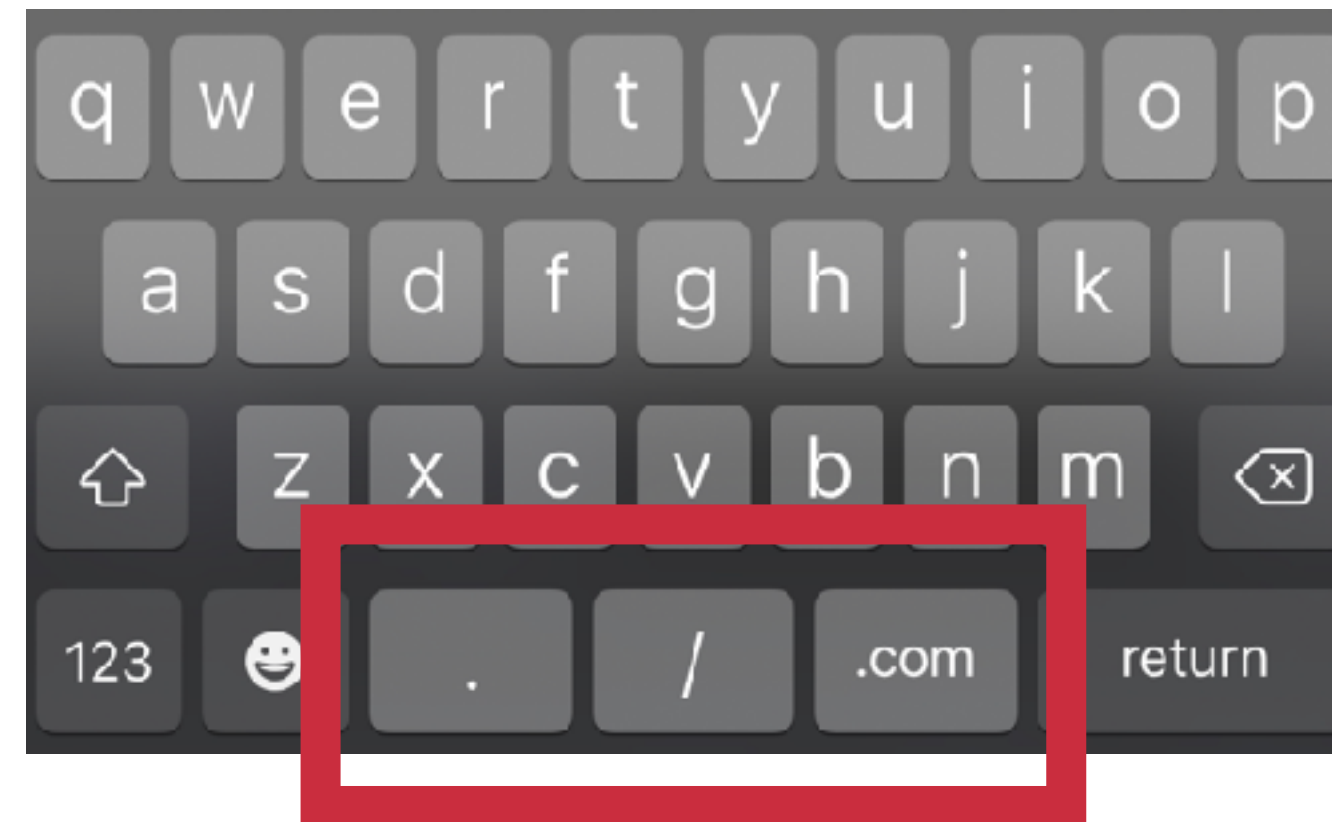
MAKE THE WEB A BETTER PLACE

INPUT TYPES

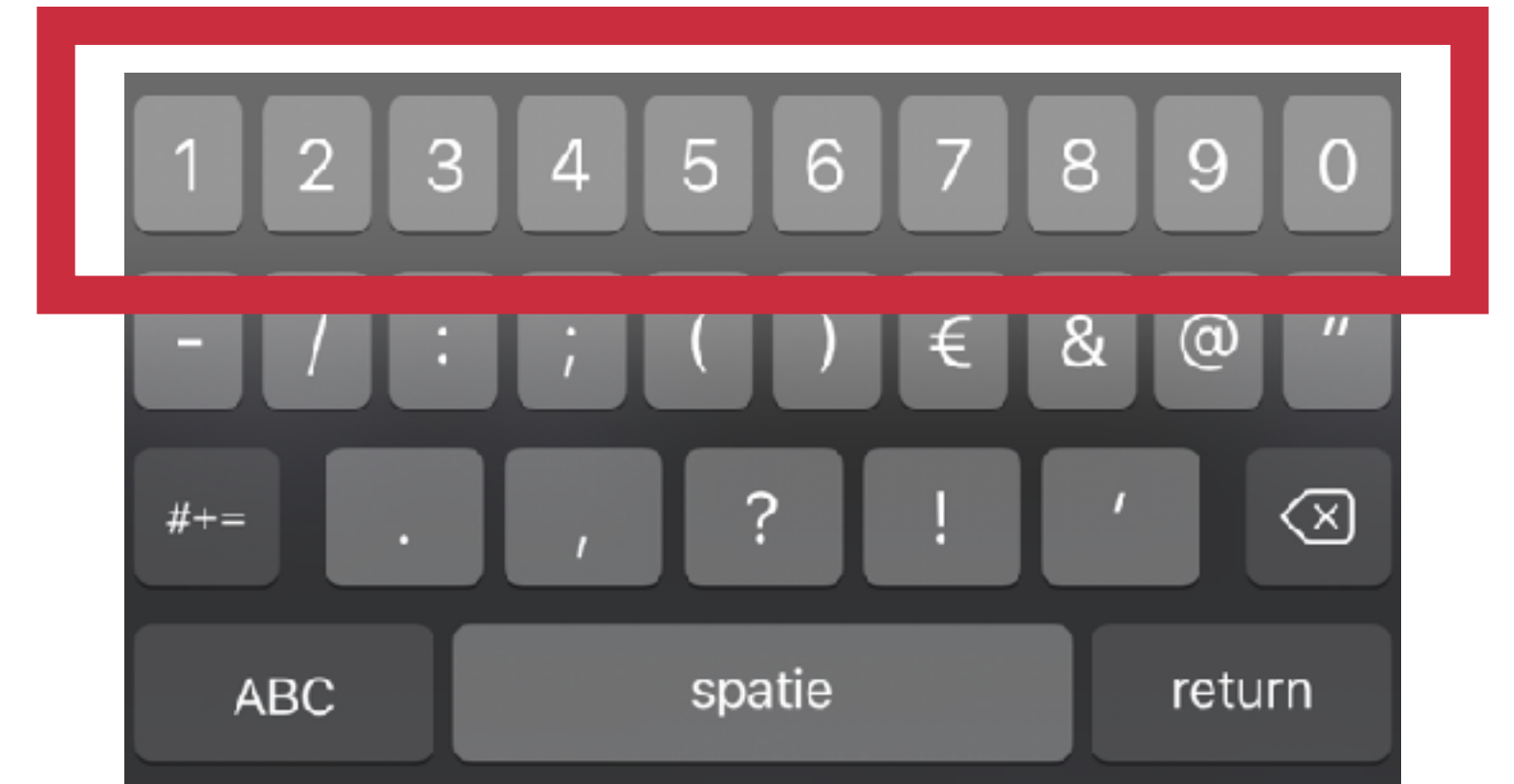
`<input type="email">`



`<input type="url">`



`<input type="number">`



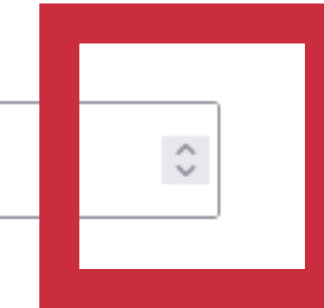
```
<label for="nr">Number</label>
<input type="number" id="nr"
  name="number">
```

```
/* Chrome, Safari, Edge, Opera */
input::-webkit-inner-spin-button,
input::-webkit-outer-spin-button {
  -webkit-appearance: none;
  margin: 0;
}
```

```
/* Firefox */
input[type="number"] {
  -moz-appearance: textfield;
}
```

Number

1



Number



MAKE THE WEB A BETTER PLACE

HTML5 FORM VALIDATION

```
<form>  
  <label for="nr">What's your favorite number?</label>  
  <input type="number" id="nr" name="number" required>  
  <button>Submit</button>  
</form>
```

Firefox

What's your favorite number?

Submit

Voer een getal in.

Chrome

What's your favorite number?

Submit



Vul dit veld in.

Safari

What's your favorite number?

Vul dit veld in

Submit




```
<form novalidate>  
  <label for="nr">What's your favorite number?</label>  
  <input type="number" id="nr" name="number" required>  
  <button>Submit</button>  
</form>
```

CONSTRAINT VALIDATION API

`checkValidity()`

`reportValidity()`

`setCustomValidity(message)`

https://developer.mozilla.org/en-US/docs/Learn/Forms/Form_validation



MAKE THE WEB A BETTER PLACE

LINK VS BUTTON

Link

```
<a href="https://rowdy.codes">
```

```
</a>
```

Button

```
<button>
```

```
</button>
```


Link

```
<a href="https://rowdy.codes">goes somewhere</a>
```

Button

```
<button>
```

```
</button>
```

Link

```
<a href="https://rowdy.codes">goes somewhere</a>
```

Button

```
<button>does something</button>
```



Underline
your fucking
links you
sociopaths

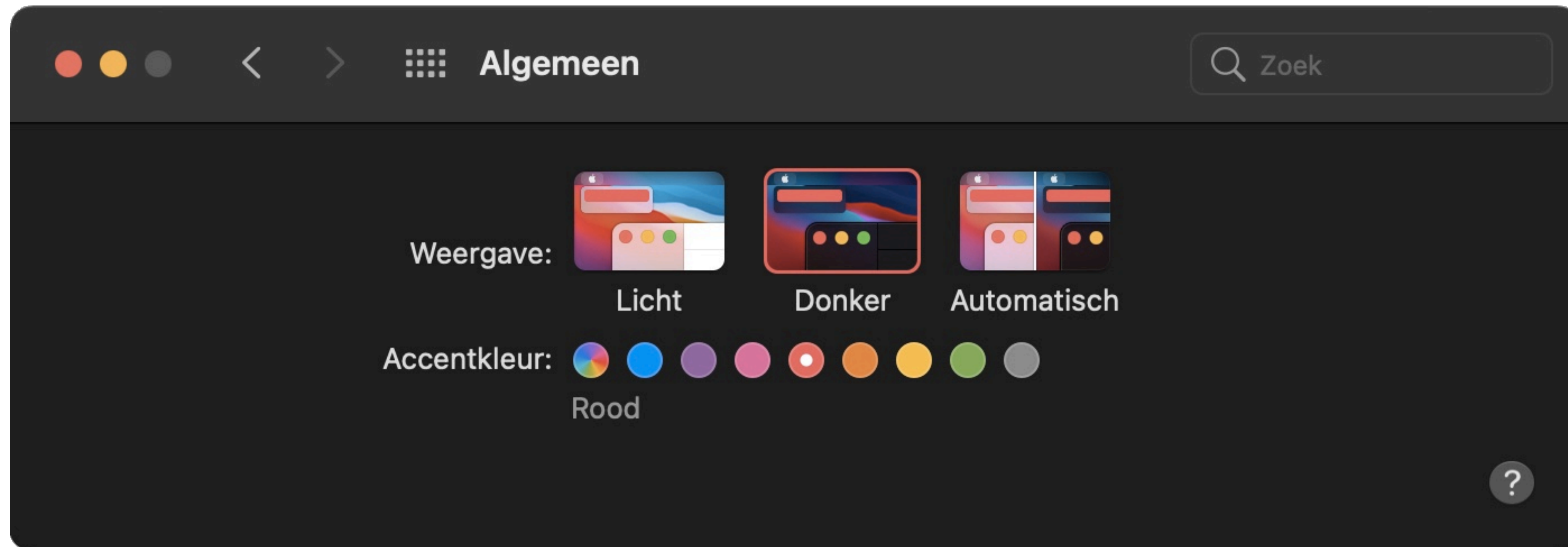
Heydon Pickering - accessibility expert

MAKE THE WEB A BETTER PLACE

COME TO THE DARK SIDE

we have 🍪🍪🍪






```
body {  
  background: #fff;  
  color: #000;  
}  
  
@media (prefers-color-scheme: dark) {  
  body {  
    background: #000;  
    color: #fff;  
  }  
}
```



```
const prefersDarkScheme =  
  window.matchMedia("(prefers-color-scheme: dark)");  
  
if (prefersDarkScheme.matches) {  
  document.body.classList.add("dark-theme");  
} else {  
  document.body.classList.remove("dark-theme");  
}
```



```
const btn = document.querySelector(".btn-toggle");
const currentTheme = localStorage.getItem("theme");

if (currentTheme === "dark") {
  document.body.classList.add("dark-theme");
}

btn.addEventListener("click", () => {
  document.body.classList.toggle("dark-theme");

  let theme = "light";
  if (document.body.classList.contains("dark-theme")) {
    theme = "dark";
  }
  localStorage.setItem("theme", theme);
});
```

<https://css-tricks.com/a-complete-guide-to-dark-mode-on-the-web/>



MAKE THE WEB A BETTER PLACE

VIDEO CAPTIONS

- people who are deaf or hard of hearing
- make it easier to follow along for everybody
- don't wake-up your loved ones

AUTOCAPTIONS



<https://meryl.net/automatic-captions-problems/>

MAKE THE WEB A BETTER PLACE

ICON FONTS

FONT (NOT SO) AWESOME

```
<i class="fab fa-facebook"></i>
```

```
<i class="fab fa-twitter"></i>
```

```
<i class="fab fa-instagram"></i>
```





SCALABLE VECTOR GRAPHICS

```
<svg xmlns="http://www.w3.org/2000/svg" width="24" height="24"
viewBox="0 0 24 24"><path d="M19 0h-14c-2.761 0-5 2.239-5 5v14c0
2.761 2.239 5 5 5h14c2.762 0 5-2.239
5-5v-14c0-2.761-2.238-5-5-5zm-.139 9.237c.209 4.617-3.234
9.765-9.33 9.765-1.854 0-3.579-.543-5.032-1.475 1.742.205
3.48-.278 4.86-1.359-1.437-.027-2.649-.976-3.066-2.28.515.098
1.021.069
1.482-.056-1.579-.317-2.668-1.739-2.633-3.26.442.246.949.394
1.486.411-1.461-.977-1.875-2.907-1.016-4.383 1.619 1.986 4.038
3.293 6.766 3.43-.479-2.053 1.08-4.03 3.199-4.03.943 0 1.797.398
2.395 1.037.748-.147 1.451-.42 2.086-.796-.246.767-.766
1.41-1.443 1.816.664-.08 1.297-.256 1.885-.517-.439.656-.996
1.234-1.639 1.697z" /></svg>
```





SCALABLE VECTOR GRAPHICS

```
<svg
  xmlns="http://www.w3.org/2000/svg"
  width="24"
  height="24"
  viewBox="0 0 24 24"
  aria-describedby="my-title my-description"
  role="img">
  <title id="my-title">Twitter</title>
  <desc id="my-description">Follow me on Twitter</desc>
  <path d="M19 0h-14c-2.761 ... 1.697z"/>
</svg>
```

```

```



MAKE THE WEB A BETTER PLACE

REDUCE MOTION

Motion on screen can have serious physical consequences for people with motion sensitivities.



```
@media (prefers-reduced-motion: no-preference) {  
  /* animate the card */  
}
```



```
@media (prefers-reduced-motion: reduce) {  
  /* do not animate the card */  
}
```


MAKE THE WEB A BETTER PLACE

REDUCE DATA

- limited data plans
- slow connections

```
@media (prefers-reduced-data: no-preference) {  
  @font-face {  
    font-family: 'FancyFont';  
    src: url('FancyFont.woff2') format('woff2');  
  }  
}  
  
body {  
  font-family: FancyFont, Arial, Helvetica, sans-serif;  
}
```

```
body {
  background: #df1044;
}
```

```
@media (prefers-reduced-data: no-preference) {
  body {
    background-image: url("nice-background.png");
  }
}
```

IE	Edge *	Firefox	Chrome	Safari	Opera	Safari on iOS *	Opera Mini *	Android Browser *	Opera Mobile *	Chrome for Android	Firefox for Android	UC Browser for Android	Samsung Internet
	12-84		4-84										
6-10	^{1 2} 85-93	2-92	^{1 2} 85-93	3.1-14.1	10-79	3.2-14.8		2.1-4.4.4	12-12.1				4-14.0
11	^{1 2} 94	93	^{1 2} 94	15	80	15	all	94	64	^{1 2} 94	92	12.12	15.0


```
/* Chromium browsers */  
if ("connection" in navigator) {  
    if (navigator.connection.saveData === true) {  
        // prevent loading resources and other data saving measures  
    }  
}
```

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Slides: rowdy.codes/fwtc