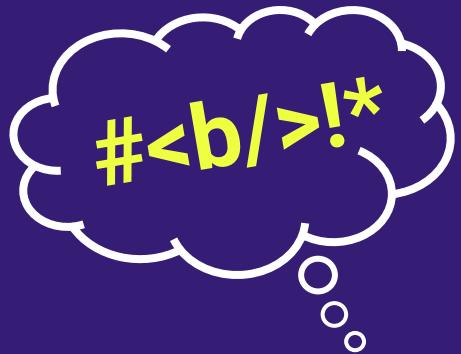


# wtf?!

what the front end?!



karl tynan.  
@karltynan

 Rock Solid  
Knowledge

# let's get to know each other...

- senior software developer at **Rock Solid Knowledge**
- **16+ years** working with HTML, CSS and JS
- **7+ years** working with **Umbraco** (since v4)
- Umbraco Certified Professional
- co-organiser of **umBristol** meetups

do you even front end?

2019 2018 2017 2016 2015 2014 2013 2012 2011

---

display: flex; border-radius: 1rem; transform: scale(1.5);  
display: grid; position: sticky; color: var(--primary);

2010 2009 2008 2007 2006 2005 2004 **2003**

---

2010 2009 2008 2007 2006 2005 2004 **2003**

---

```
<table>        <frameset> <frame>  
    style="color: red"    <font size="1">    <blink>
```

# tables

`<table>...</table>`



**don't use <table> for layout...**

demo...

# semantic html + css...

```
<table class="chart">  
  ...  
  <tr>  
    <th class="title">Q1</th>  
    <td class="old">£200</td>  
    <td class="new">£400</td>  
  </tr>  
  ...
```

# lobotomized owl

but **.first** ...

↪ amazing pun btw...

# helper classes

.first .last .odd .even etc...

# the problem with helper classes...

```
<ul class="nav-menu">  
  <li class="nav-item first">...</li>  
  <li class="nav-item">...</li>  
  <li class="nav-item">...</li>  
  <li class="nav-item last">...</li>  
</ul>
```

# the problem with helper classes...

```
.nav-item {  
    margin-right: 1rem;  
}  
.nav-item.last {  
    margin-right: 0;  
}
```

# pseudo classes

**:first-child :last-child :nth-child(odd) etc...**

# the problem with some pseudo classes...

```
.nav-item {  
    margin-right: 1rem;  
}  
.nav-item:last-child {  
    margin-right: 0;  
}
```



# internet explorer

did not support :last-child until IE9

wtf?!

# can we do it better?!

yes, we can :not()

# why not()...

```
.nav-item:not(:last-child) {  
    margin-right: 1rem;  
}
```

# a warning on not()...

```
.nav-item:not(:last-child) {  
    color: red;  
}  
.nav-item {  
    color: green;  
}
```

# a warning on not()...

```
.nav-item.not-last { // specificity of 2
    color: red;
}

.nav-item { // specificity of 1
    color: green;
}
```

# lobotomized owl

\* + \* { ... }

Heydon Pickering: <https://alistapart.com/article/axiomatic-css-and-lobotomized-owls/>

demo...

# owl vs child...

```
.side-bar * + * {  
    margin-top: 1rem;  
}  
.module-one:not(:first-child),  
.module-two:not(:first-child) {  
    margin-top: 1rem;  
}
```

so you want to be a  
hipster dev?



# dark mode

`@media (prefers-color-scheme: dark) { ... }`

demo...

# turn the lights out...

```
.side-bar {  
    background-color: #eee; // very light grey  
}  
  
@media (prefers-color-scheme: dark) {  
    .side-bar {  
        background-color: #222; // dark grey  
    }  
}
```

...or turn the lights on

```
@media (prefers-color-scheme: light) {  
  .side-bar {  
    background-color: #eee; // very light grey  
  }  
}
```

## ...or the user doesn't care

```
@media (prefers-color-scheme: no-preference) {  
  .side-bar {  
    background-color: #c00; // vibrant red  
  }  
}
```

**so hot right now...**

# responsible motion

`@media (prefers-reduced-motion: reduce) { ... }`

# `prefers-reduced-motion`

- media query based on user preference
- tailor animations to be more accessible
  - sensitivity, vertigo, nausea
  - remove distractions and frustrations
- works in Chrome, Opera, Safari and Firefox
- soon to be available for Edge

# html dialogs

`<dialog>...</dialog>`

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

# <dialog>

- native **modals** or **dialogs**
- say goodbye to **JS** **plugins**
- works in **Chrome**, **Opera** and **Firefox** (via config)
- soon to be available for **Edge**
- no news for **Safari** or **iOS Safari**

# html datalists

`<datalist>...</datalist>`

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

# <datalist>

- native input **options**... like an **autocomplete**
- say goodbye (again) to **JS** plugins
- works in **Chrome**, **Opera**, **Safari** and **Firefox** (text inputs)
- partial, buggy support in **IE10+** and **Edge**
- fixed in next version of **Edge**

# thank you.

karl tynan.  
@karltynan

