



wtfe?!
what the front end?!

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 **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>`

<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>`

<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.

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