FEWD - Layout

Thomas Broomfield

Lead Developer, PwC Ventures.

Agenda

- Review - Classes, display and floats.
- Flexbox.
- Lab Time - building layouts

Div

What is a Div?

Classes & IDs

- What is a class?

- What is a div?

- What does the display attribute do?

- What elements are display: block/inline by default?

Floats

- As we have seen breifly, the float attribute can be used to make a div sit on the left or the right of other divs:

```
.foo {
  float: right;
}
```

- This can work great for VERY simple layouts, but will break very quickly.
- The reason for this is that floats were never meant to be used for layouts, they were designed to position images in a paragraph of text.
- Due to this, they are confusing and do not work as expected without implementing a variety of hacks (clearfix).

Enter Flexbox.

- Flexbox is modern CSS for designing complex layouts.
- It uses the concept of a parent div, which has child divs.
- Each of those child divs can then also be a parent div.

The parent div:

To make a div a parent flexbox, simply add the following to it:

```css
.foo {
  display: flex;
}
```

```html
<div class='foo'>
  <div>Child 1</div>
  <div>Child 2</div>
</div>
```

Rules to remember.

- Don't set heights on parent elements, just let them wrap their children.
- Even if a div will only have 1 child, it's still be to use a child instead of styling the parent.
- Always refer back to the css-tricks guide to flexbox if you get stuck.

Layout Challenge