Today

- Review
- Intro to Frameworks
- Make a Framework

Media Queries

Modify styles based on device type, screen properties or resolution

```css
@media print {
    #header, #footer, #nav {
        display: none;
    }
}
```

@media (not(hover))

Feature Queries

```
@supports (display: grid ) {
    #main {display: grid;}
}
```

Feature Inside Media

```
@supports (display: grid ) {
    @media (orientation: portrait) {}
    @media (orientation: landscape) {}
}
```

@page

```
@page {size: 8in 10in;}
@page {margin: .75in;}
```

5 Default Font Families

Generally "Safest"

- Arial
- Helvetica
- Times New Roman
- Courier

Ems and Rems

Inherited vs Root Inherited

Button example @ 9:30

The Final.

Final Questions?

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CSS Framework

- Creates a layout system for you
- Gives you classes that do things to apply to your html

Bootstrap

Let's take a look under the hood

Bootstrap "Grid" is actually Flexbox backed

Smart Defaults

- Quick to prototype with
- Marketplace for plug and play
- Handle a vast array of browsers well
- Have made design decisions for you

Frameworks for Days

Top 10 Lists??

Foundation

Also has templates

And component kits

But you can also do custom grids

Email Templates!

Bulma

Also based on Flexbox

Also has components

It's all just css

How many?

No number. Just be able to figure them out.

Which classes to they use to make rows and columns?

Which one?

What are you doing with it?

Common Considerations

Activity

Commits, releases, stack overflows

Will this change as CSS changes?

Documentation

Read the docs for 5 min. Are they clear?

Functionality

Are the default components ones you want?

Size

Is it performant?

Is this too bulky for my simple mobile focused site?
2kb vs 95kb

Does that even matter? Timing breakdown

Community

Who runs the show? Do you want to engage with them?

Philosophy

Design patterns? Tech patterns? Rems? Grids?

No "one size fits all"

Let's talk SASS
(And CSS Preprocessors)

Processes Something into CSS

Why?

- ~~Variables~~
- Nesting (not for long)
- Inheritance (uh-oh)
- Functions
- Calculating things (width: 600px / 960px * 100%)

SCSS in Action

Codepen

LESS

Even *more* functionality

Native CSS >

Frameworks

Now that Grid + Flex are supported widely

Distinct Native Possibilities

A consideration for rolling your own

Let's make a grid

Example!

Homework 5