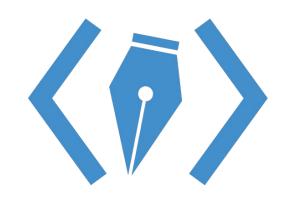
Week 07 Responsive Layouts



Overview of strategies

Media queries

Overview of strategies

Media queries

Today's Example (from week 3!):

https://jsbin.com/pulakewosu/edit?html,css,output

Berkeley Food Guide

Home

Restaurants

Coffee Shops

This site features food places in Berkeley that WDD students recommend!

Restaurants

UC Berkeley has a large variety of restaurants nearby. Check out favorites on southside, northside, and downtown.

Coffee Shops

There are also several coffee shops and cafés that have outlets and free wifi, ideal for studying!

Strategy 1: Use percents

 Use percents as your units so that sizes and spacing are proportional to the screen size

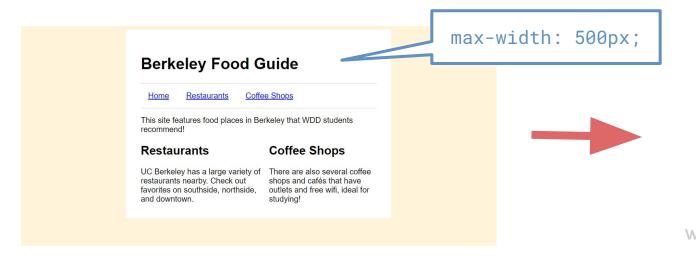
Only works to an extent:



Strategy 2: Use max-width

The element will be as wide as it can be.

Pretty nice for simple results:





Problem!

Berkeley Food Guide

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Restaurants Coffee Shops

UC Berkeley has a large variety of restaurants nearby.

There are

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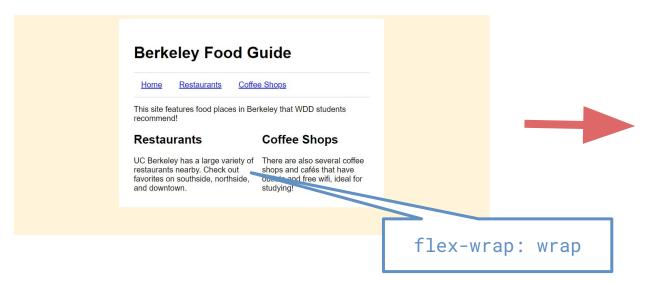
Coffee Shops

There are also several coffee shops and cafés that have

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Strategy 3: Use flex-wrap

- Depending on the width of the items in a flexbox, they will wrap to the next line instead of getting squished together.
- Helps decrease number of items per row in a layout:





There are also several coffee shops and cafés that have

Strategy 4: Media Queries

- Basic idea: write CSS for different screen sizes!
- We define breakpoints to specify the screen widths that will use different CSS
 - Can be anything, but usually broadly differentiates between phones, tablets, and laptops

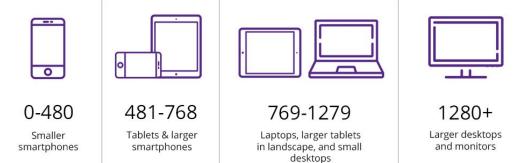
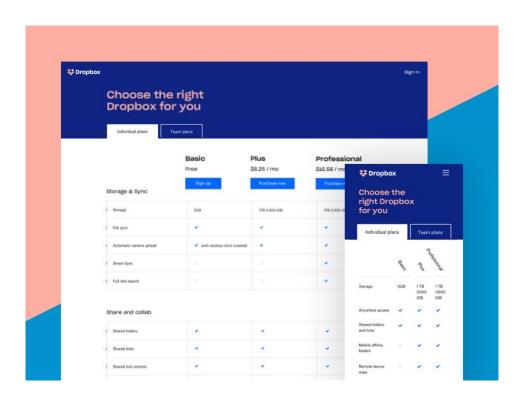


Image source: BitDegree https://www.bitdegree.org/learn/css-width

Web Design DeCal Fall 2020

Overview of strategies

Media queries



We can design how the document is presented across different medias

Is it extra to talk about medias for a web page? Since it is just a web page for screens... or really? screen

for computer screens

print

for printed documents

speech

for speech synthesizers

... and more

But first! Some HTML...

Include this in the HTML head:

<meta name="viewport" content="width=device-width, initial-scale=1">

Where to place media queries?

html { Inside our CSS files! font-size: 16px; @media (max-width: 600px) { html { Note the special syntax! font-size: 14px; Similar to keyframe animations, it's a bit different from what we're used to.

Just CSS with extra steps

```
@media (max-width: 375px) {
    html {
        background: red;
    }
}
```

"For screens that have a width < 375 pixels, use these CSS properties in addition to the ones above."

Say you would like to match all computer screens no larger than 600px?

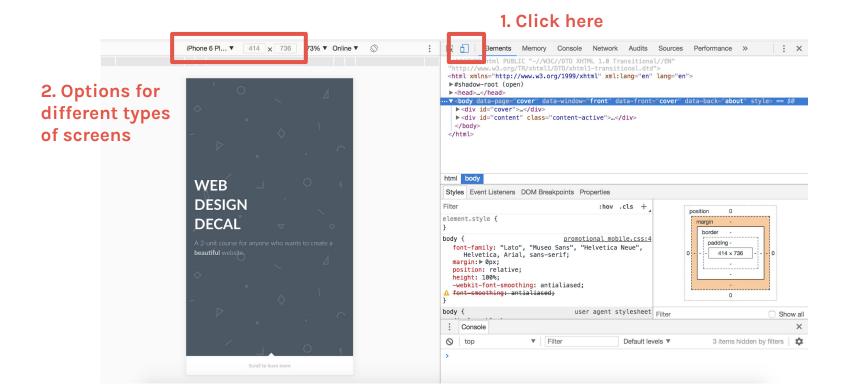
screen and (max-width: 600px)

Make it longer by adding more... and

To match all screens between 200px and 400px in width?

screen and (min-width: 200px) and (max-width: 400px)

Demo tinyurl.com/wdd-mqu



Why web inspector is so great -- see what your website looks like on different devices.



Questions?