



CSS - Responsive Basics

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Future Among Us Pro-League Contender

Agenda

- Questions?
- Learn - How To Network (Part 1)
- Review - CSS Fundamentals
- Review - Box Model
- Review - Float 
- Review - Three Simple Layouts
- Learn - Responsive Basics
- Learn - Flexbox 
- Homework - Flexbox Froggy + Movie

Questions

About last class or life



Networking



Look at me knowin' people!

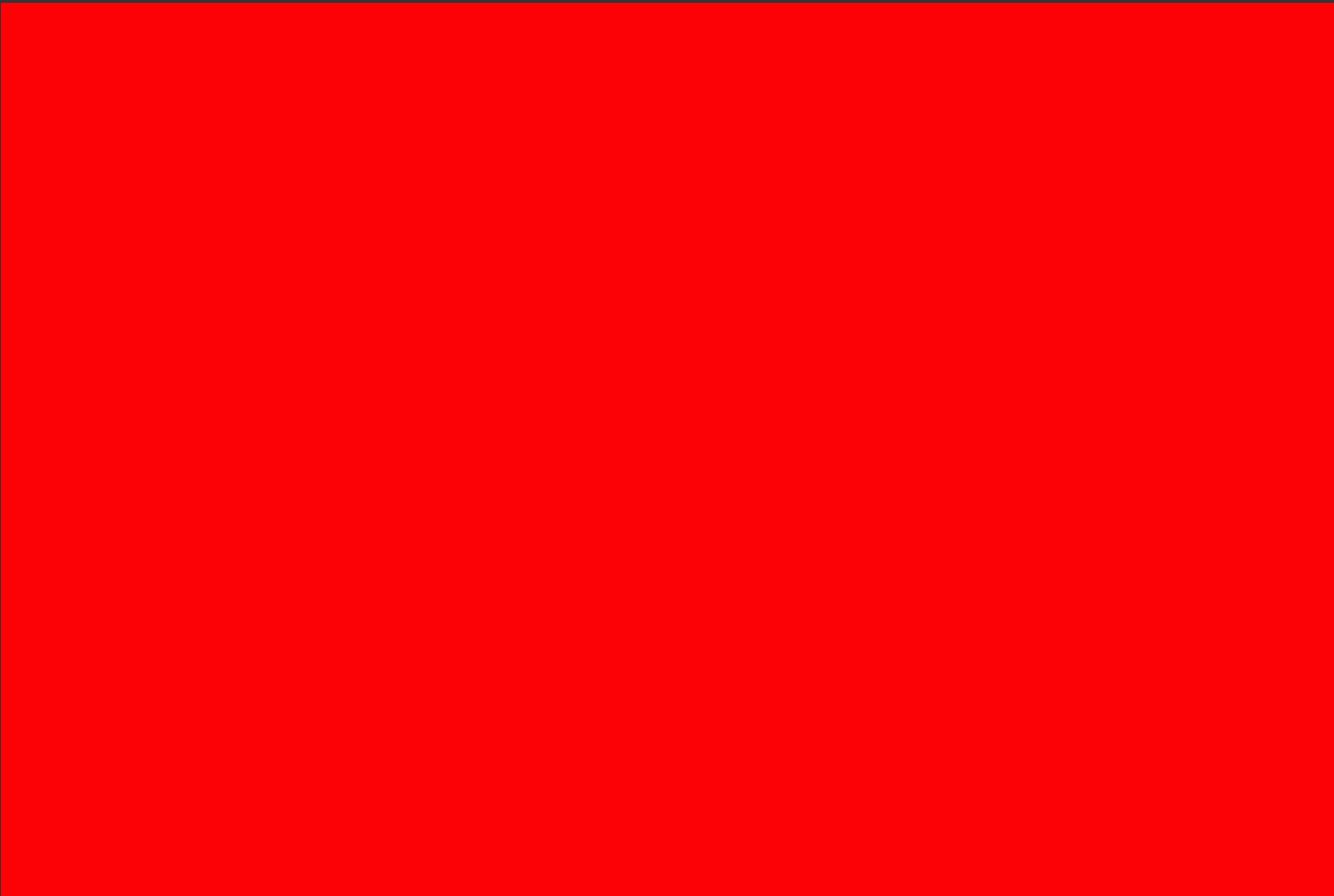
SUPER MALL Insecure | HBO

5 Individuals Already In Tech
2 Coffee Chats

Stranger > Acquaintance >
Friend > Referral > Coworker



How To Meet People



Events



Start on Meetup.com and then find local boards

Conferences



Google Interest + Conference or #events
(plenty are free or you can get a scholar/hard-ship)

Community Groups



***We shared
whatever we had...***

Local is always better

Apps



lunchclub.ai
[Bumble Bizz](#)

Friends & Family



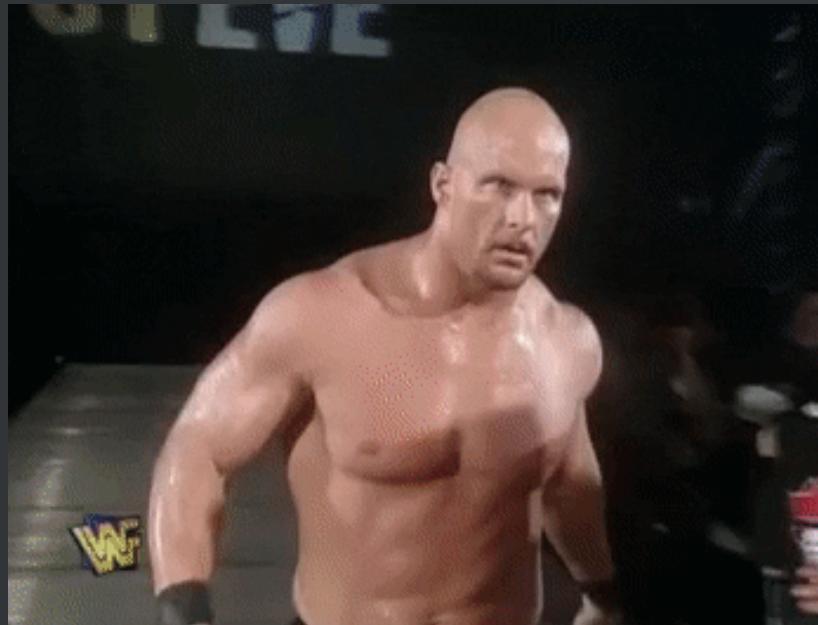
Normal Follow Up

Meet > Email > LinkedIn > Twitter

Next Day

Day 3

Day 6



Want A Coffee Chat?

Email Follow Up 1 > Email Follow Up 2 > Last Email

1 Week

2 Weeks

1 Month



USE THE SHEET!



Networking Google Sheet

Questions ?

Part 2 - Tuesday w/ Examples



TURN IT UP!



The Golden Rule

SEPERATION OF CONCERNS

- HTML = Content / Structure
- CSS = Style
- JS = Behavior / Interaction

CSS

Where does CSS go?

- **Inline**
- **In the head**
- **In a separate file**

CSS BREAK DOWN

What is this?

```
p{  
    color: red;  
    font-weight: bold;  
}
```

CSS is read top to bottom

What comes below, can override what came above

This is called the **Cascade**

```
p{  
    color: red;  
    font-weight: bold;  
}  
p{  
    color: blue;  
}
```

Selecting By Relationship

To select an element that is the direct descendent of another element use

parent > child

```
<section>  
  <p>Hello, Twitch!</p>  
</section>
```

```
section > p {  
  color: red;  
}
```

Selecting By Relationship

To select an element that is inside of another element without being directly descended use parent element

parent child

```
<section>
  <article>
    <p>Hello, Twitch!</p>
  </article>
</section>
```

```
section p {
  color: red;
}
```

Selecting By Relationship

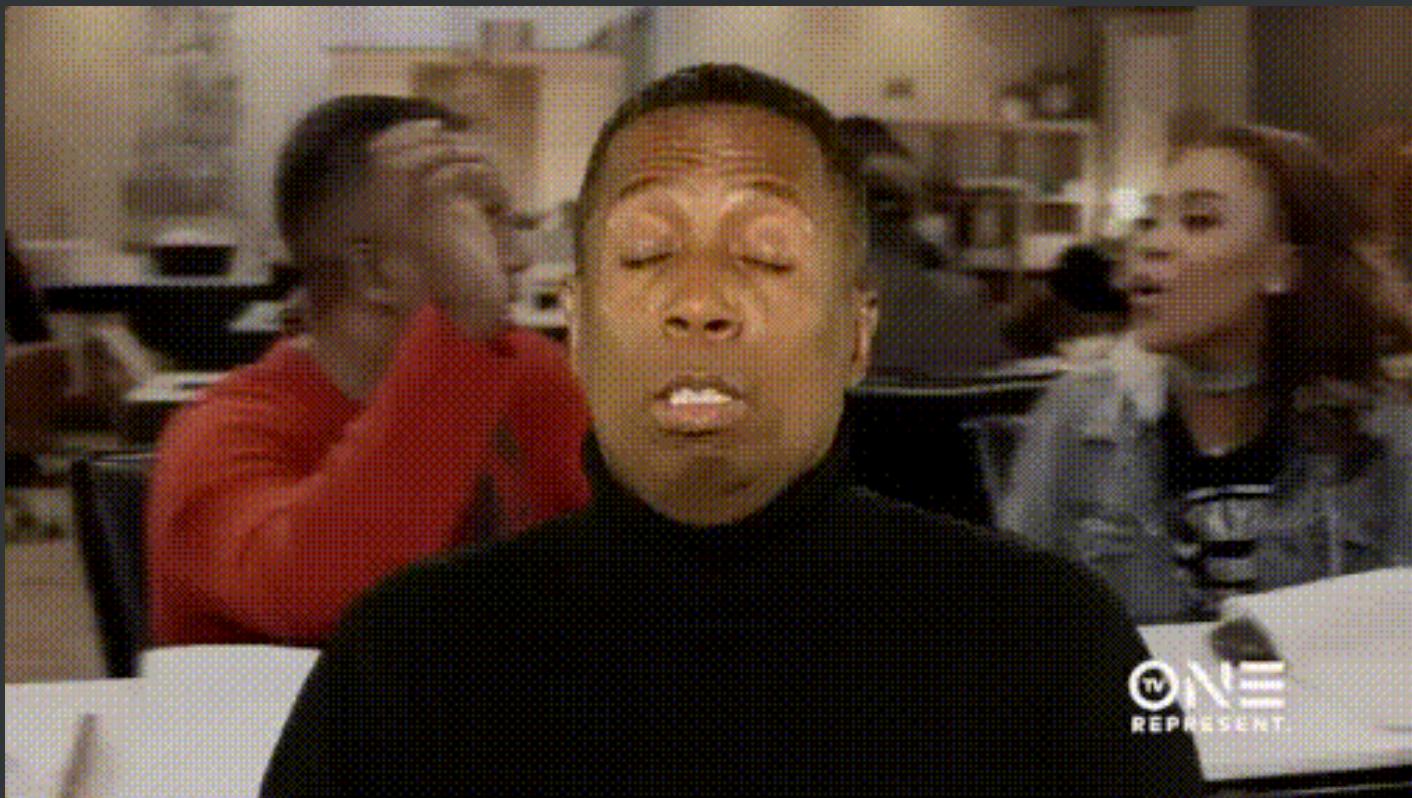
To select an element that is the *next sibling* use

previous sibling + next sibling

```
<section>
  <p>Hello, Twitch!</p>
  <p>Hello, Youtube!</p>
</section>
```

```
p + p {
  color: red;
}
```

IDs & Classes



IDs

IDs are used for selecting distinct elements

Only one id with the same value per document

#idName

```
<section>
  <p>Hello, Twitch!</p>
  <p id="zebra">Hello, Youtube!</p>
</section>
```

```
#zebra {
  color: red;
}
```

Classes

Classes are for selecting multiple elements

Multiple with same value allowed per document

.className

```
<section>
  <p class="robot">Hello, Twitch!</p>
  <p id="zebra" class="bob">Hello, Youtube!</p>
  <p class="bob">Goodbye, Mixer!</p>
</section>
```

```
.bob {
  color: red;
}
```

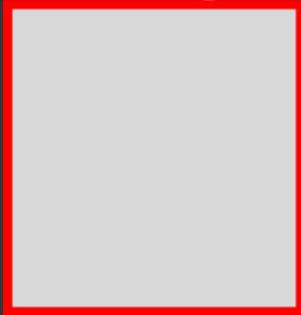
Other
!important
Inline Style

Specificity

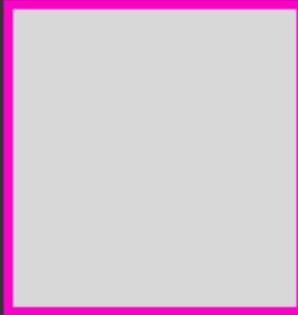
IDs

Classes

Tags



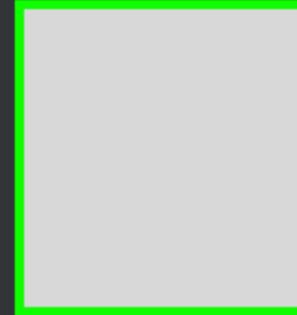
1000 points



100 points



10 points



1 point

```
<section id="pizza">
  <p class="jumanjiOriginalMovie">Hello, Twitch!</p>
  <p id="car" class="hello">Hello, Youtube!</p>
  <p>Goodbye, <span class="gone">Mixer!</span></p>
</section>
```

```
#pizza p span.gone {
  color: red;
}
```

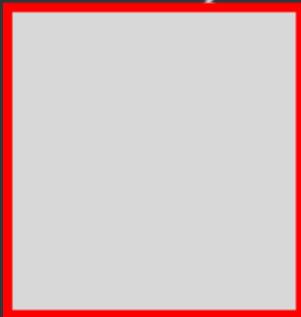
Specificity

Other
!important
Inline Style

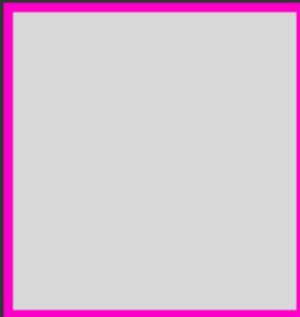
IDs

Classes

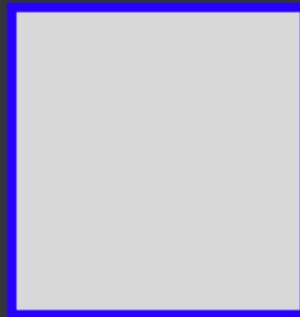
Tags



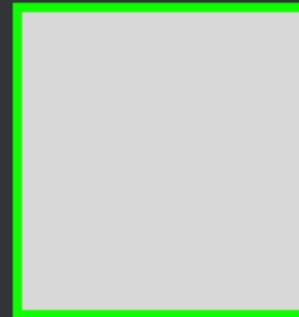
1000 points



100 points



10 points



1 point

```
<section id="dietCoke">
  <p class="robot unicorn">Hello, Twitch!</p>
  <p id="zebra" class="bob dominosPizza">Hello,
  <p class="bob">Goodbye, Mixer!</p>
</section>
```

```
#dietCoke p.robot.unicorn + .bob {
  color: red;
}
```

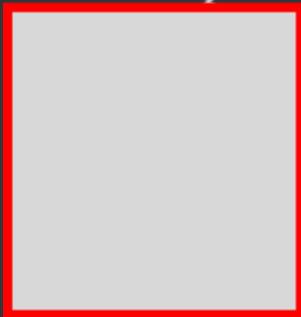
Specificity

Other
!important
Inline Style

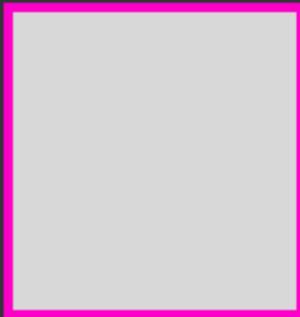
IDs

Classes

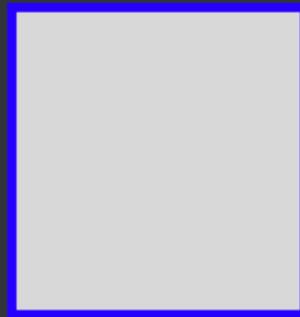
Tags



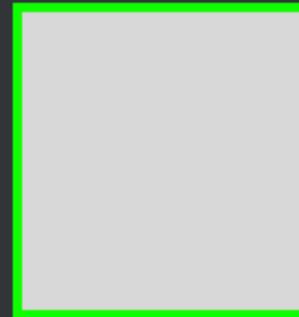
1000 points



100 points



10 points

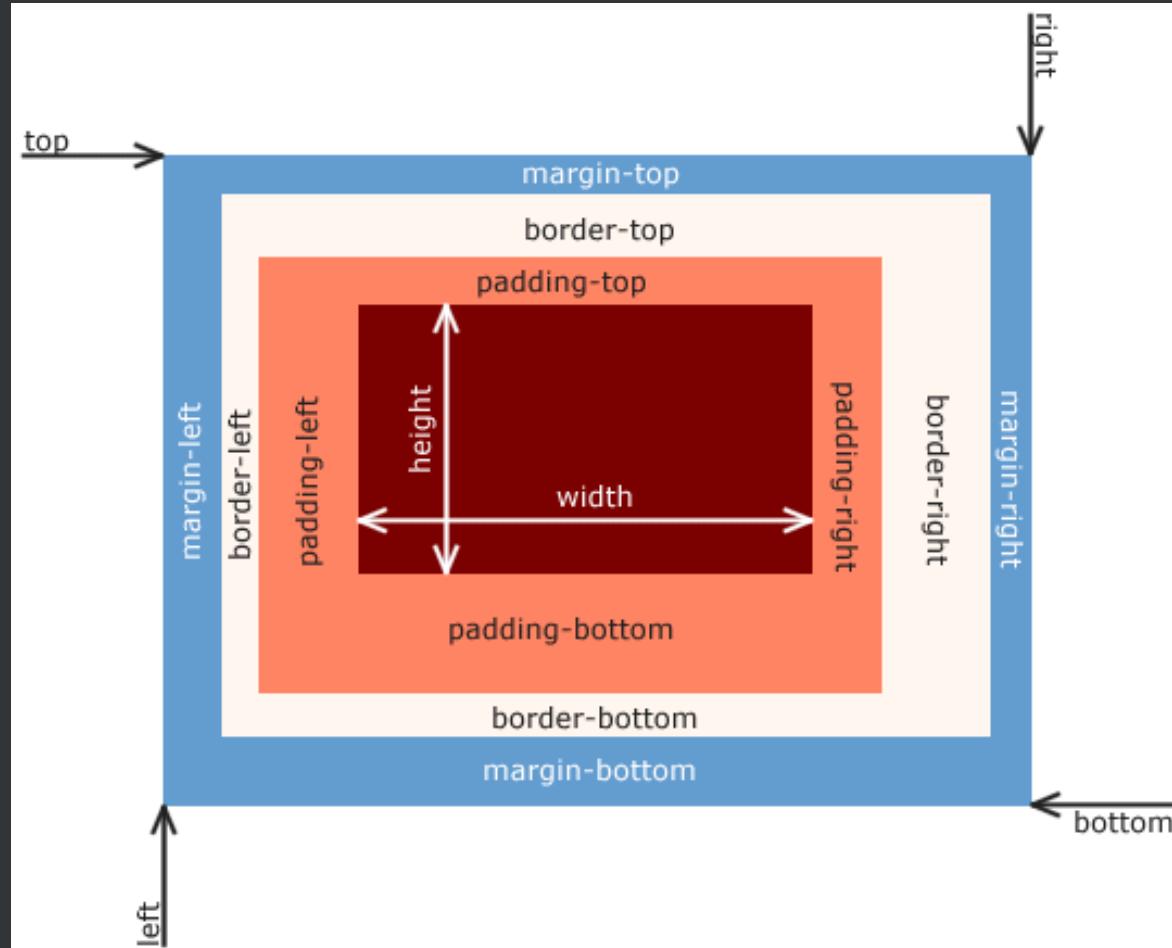


1 point

```
<section id="dietCoke">
  <p class="robot unicorn">Hello, Twitch!</p>
  <p id="zebra" class="bob dominosPizza">Hello,
  <p class="bob">Goodbye, Mixer!</p>
</section>
```

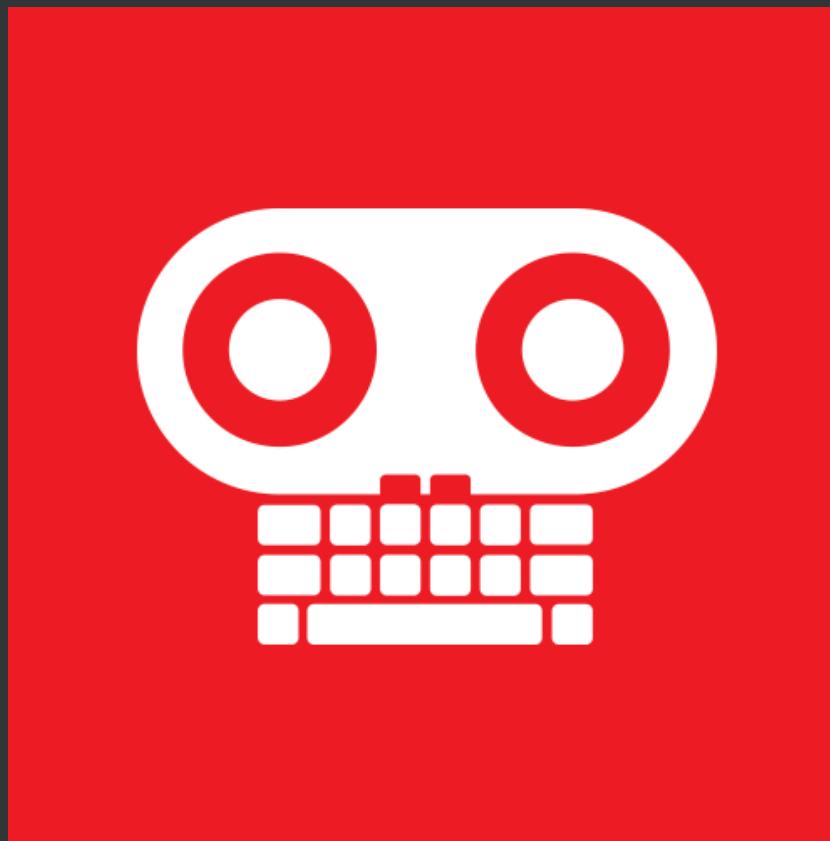
```
#dietCoke > .robot + .dominosPizza + .bob {
  color: red !important;
}
```

The Box Model



By Matthias Apsel

Let's Code



The Box Model

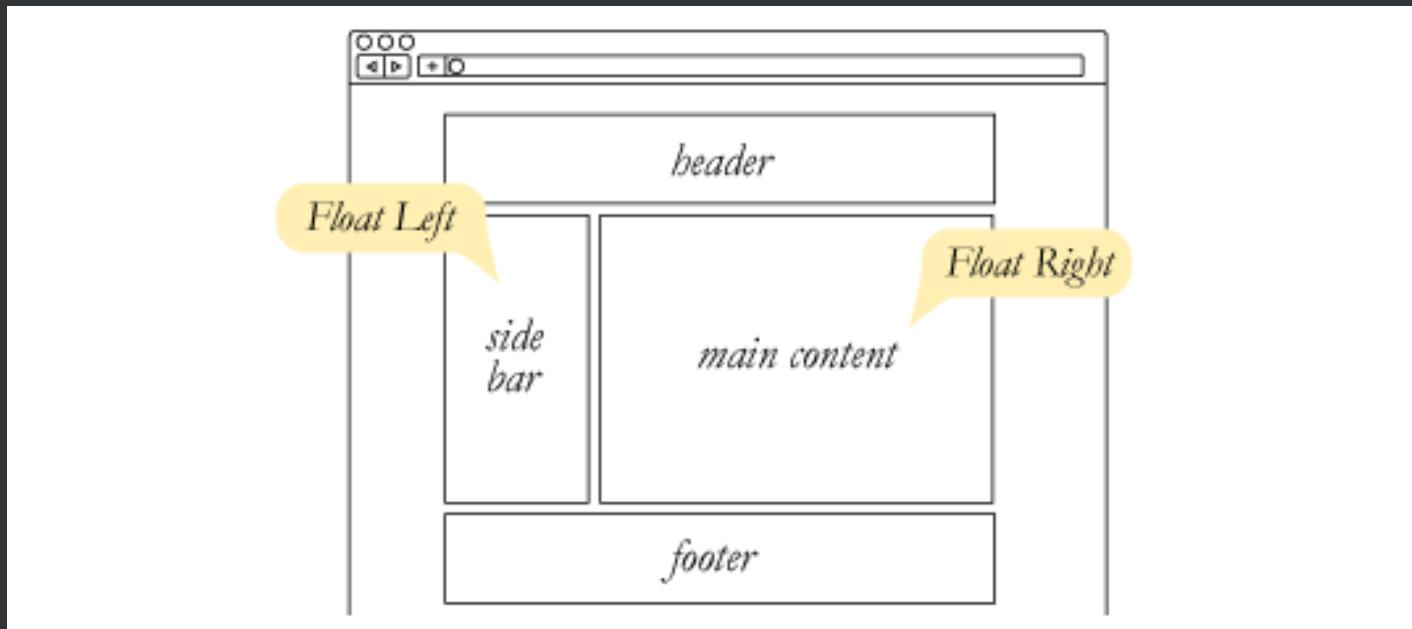
Time For Some Layouts



Let's Talk About Floats



Floats



By [css-tricks](#)

Let's Code



Simple Layouts

Layout 1



Layout 2



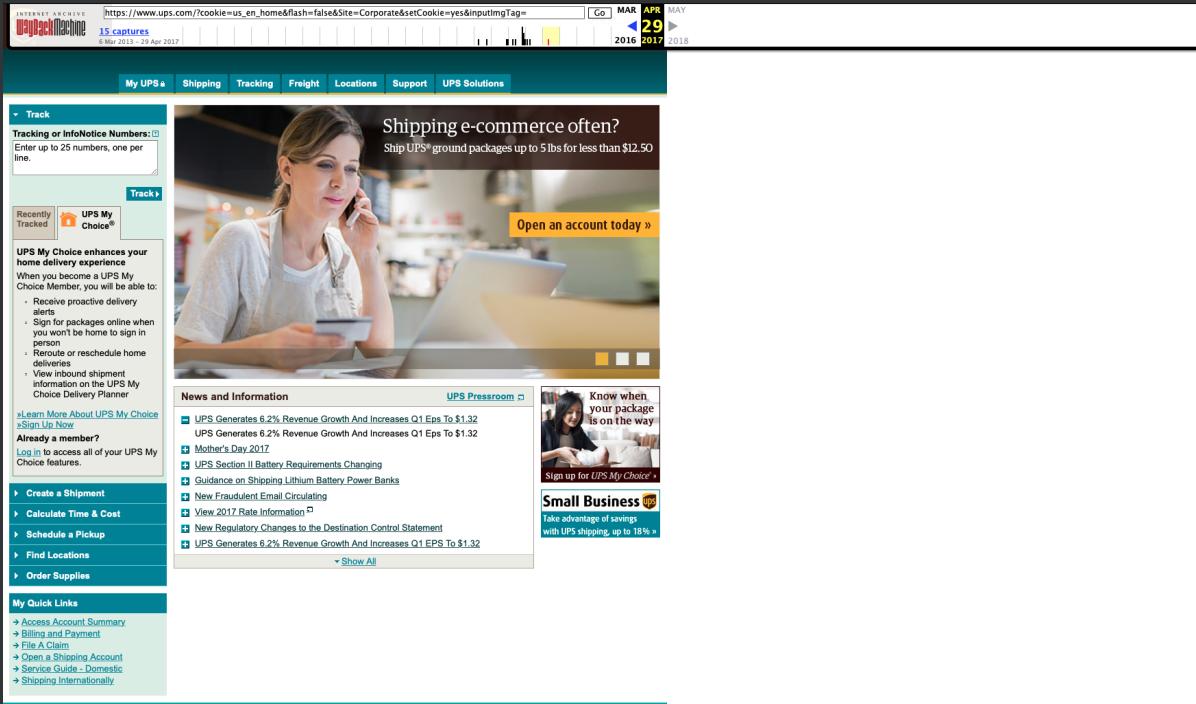
Layout 3



Responsive Websites



Fixed Vs. Responsive



UPS.com Wayback Machine

VS.

Boston.com

What makes a site
responsive?

Fluid
Elastic
Content Decisions

Fluid

Everything as a percentage



Elastic

EMs & REM

Font size of the parent, in the case of typographical properties like font-size, and font size of the element itself, in the case of other properties like width.

- mdn

```
<section>
  <p>Spam dominos in chat</p>
</section>
```

```
html{
  font-size: 62.5%;
}
section{
  font-size: 10px;
}

p{
  font-size: 1em
}
```

vs.

```
p{
  font-size: 1rem;
}
```

Content Decisions

b

NEWS WEATHER SPORTS ALL

[Coronavirus](#) [Daily #s](#) [Town #s](#) [Deaths](#) [Map](#) [Charts](#) [Testing locations](#) [Resources](#) [Boston Helps](#)

Red Sox reportedly will not play Thursday vs. Blue Jays [MORE](#)

TOP STORIES



RED SOX
Jackie Bradley Jr. reportedly won't play Thursday night. What Ron Roenicke said about the Red Sox' plans to support him.

CELTICS
Celtics-Raptors Game 1 officially postponed

NBA
Trump: NBA has become like 'a political organization'

NHL
NHL will reportedly not play Thursday's games, following criticism for taking the ice Wednesday

Restaurants are adding COVID-related fees to bills. Here's what to know.

b

NEWS WEATHER SPORTS ≡

Red Sox reportedly will not play Thursday vs. Blue Jays [MORE](#)

TOP STORIES



Restaurants are adding COVID-related fees to bills. Here's what to know.

How do we make
content decisions?

Media Queries

```
@media screen and (max-width: 600px) {  
    h1 {  
        color: blue;  
    }  
}
```

Let's Code



A Media Query

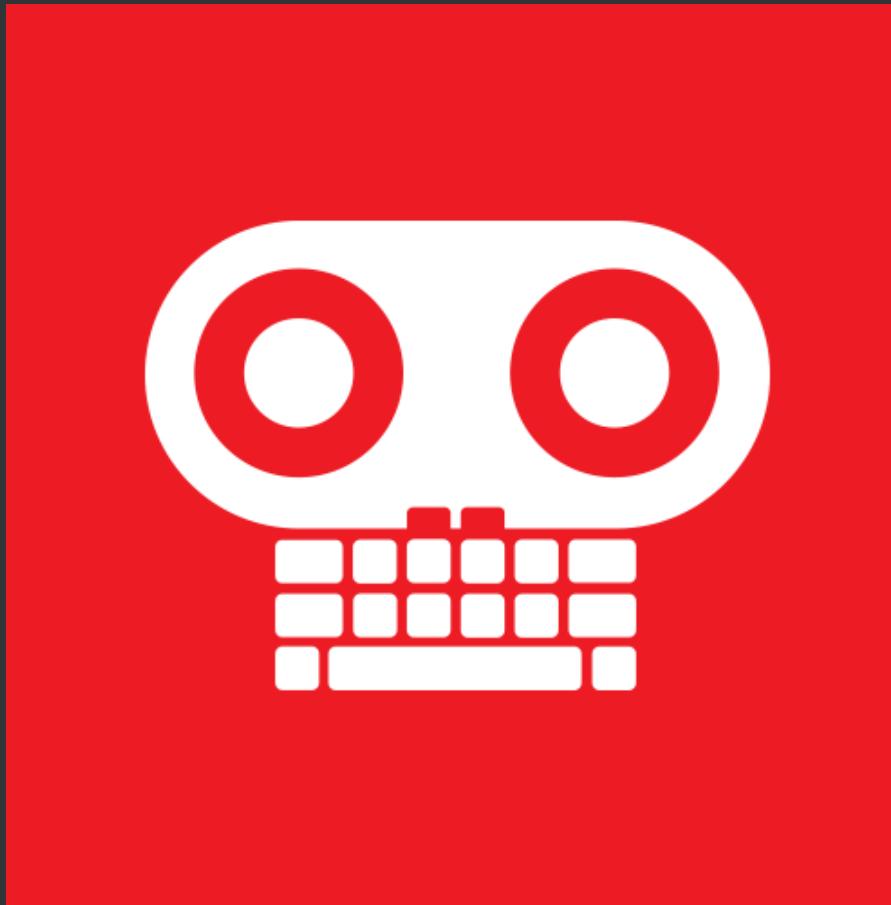
Important Addition To The Template

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

How can we make this responsive?



Let's Code

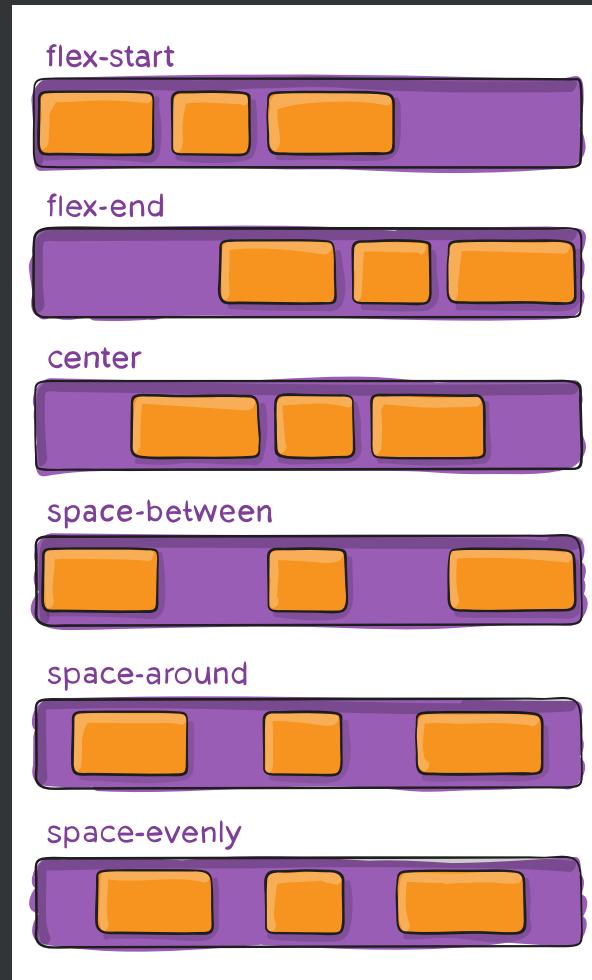


Make It Responsive

The Magic Of Flexbox



A One-dimensional Layout Model



[css-tricks.com: Complete Guide To Flexbox](https://css-tricks.com/complete-guide-to-flexbox)

Let's Code



A Flexbox Example

Homework



Read: <https://learn.shayhowe.com> (Advanced)

Read: <http://learnlayout.com>

Review: <https://youtu.be/yfoY53QXEnI>