

CSS - Responsive Review

Leon Noel

The cost of pokemon cards is too damn high!

Agenda

- Questions?
- Review - How To Network
- Review - CSS Basics
- Review - CSS Layout
- Learn - Responsive Basics
- Build - Responsive Website
- Homework - Layouts

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



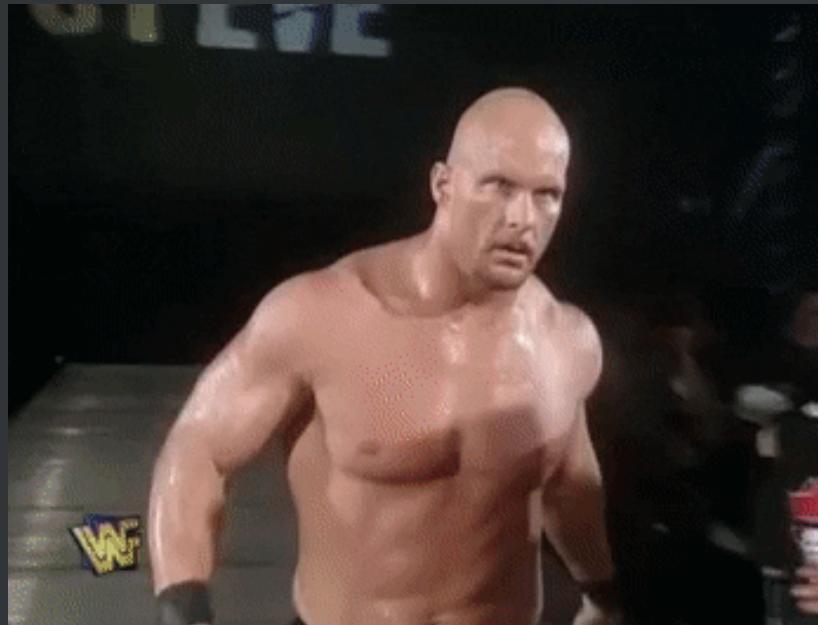
Normal Follow Up

Meet > Email > LinkedIn > Twitter

Next Day

Day 3

Day 6



Hi Leon,

It was a pleasure meeting you last night! The event was so well done and it was exciting meeting such an amazing group of people - I hope you are enjoying a well deserved break after pulling it all together!

Also, I don't know if you saw this yet, but someone just bought a \$375k first edition pokemon booster box and it wound up being fake! [The Gaurdian covered it](#) and I remember you mentioned being a big fan. Hope you have a great rest of the week!

Cheers,

Bob

Want A Coffee Chat?

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

1 Week

2 Weeks

1 Month



Hi Leon,

It was a pleasure meeting you last night! The event was so well done and it was exciting meeting such an amazing group of people - I hope you are enjoying a well deserved break after pulling it all together!

As I mentioned last night, I'm just starting my engineering career and would love to learn from successful people such as yourself. Please let me know if there might be a time you are free to grab a virtual coffee over the next week or two. Before 9am or after 5pm tends to work best for me, but happy to accommodate what works for you. Thanks!

Also, I don't know if you saw this yet, but someone just bought a \$375k first edition pokemon booster box and it wound up being fake! [The Gaurdian covered it](#) and I remember you mentioned being a big fan. Have a great rest of the week!

Cheers,

Bob

USE THE SHEET!



Networking Google Sheet

Questions ?



Just because...

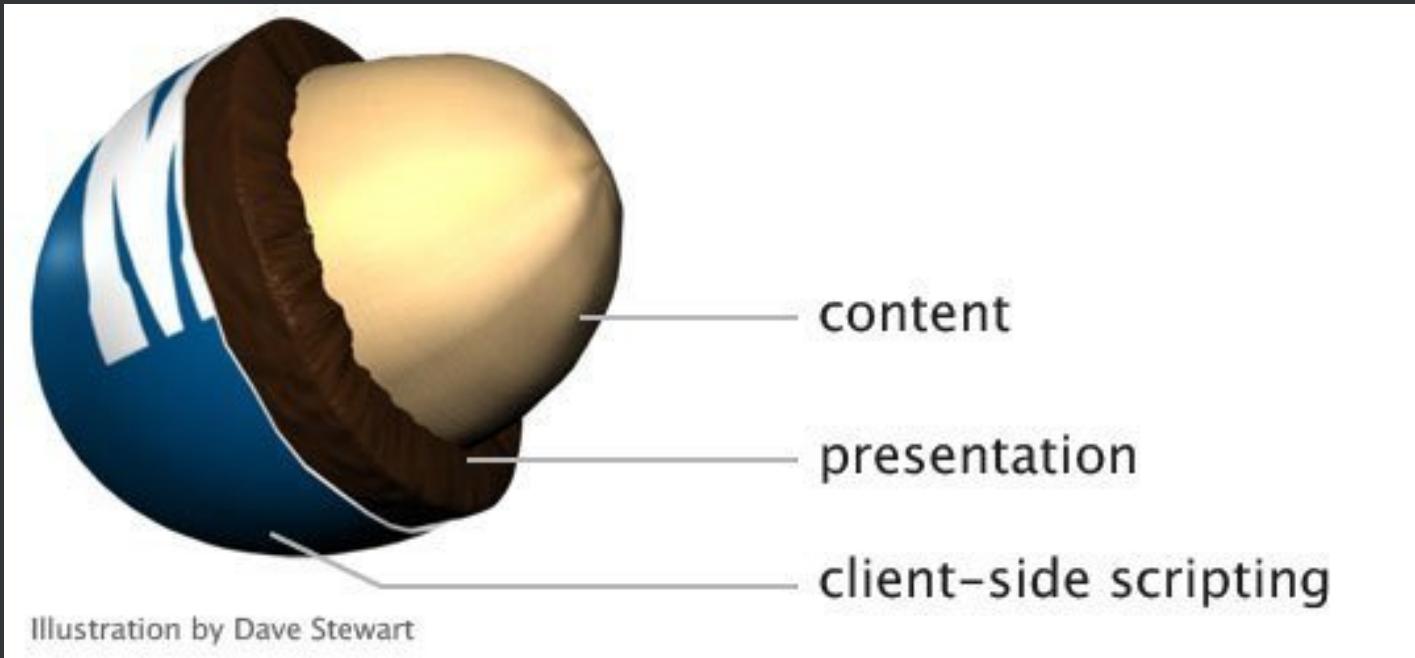


The Golden Rule

SEPERATION OF CONCERNS

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

Progressive Enhancement



According to the United States Department of Commerce, about 22 million Americans--roughly 35% of the nation's rural residents--lack access to broadband.

(2017)

<https://1mb.club>

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

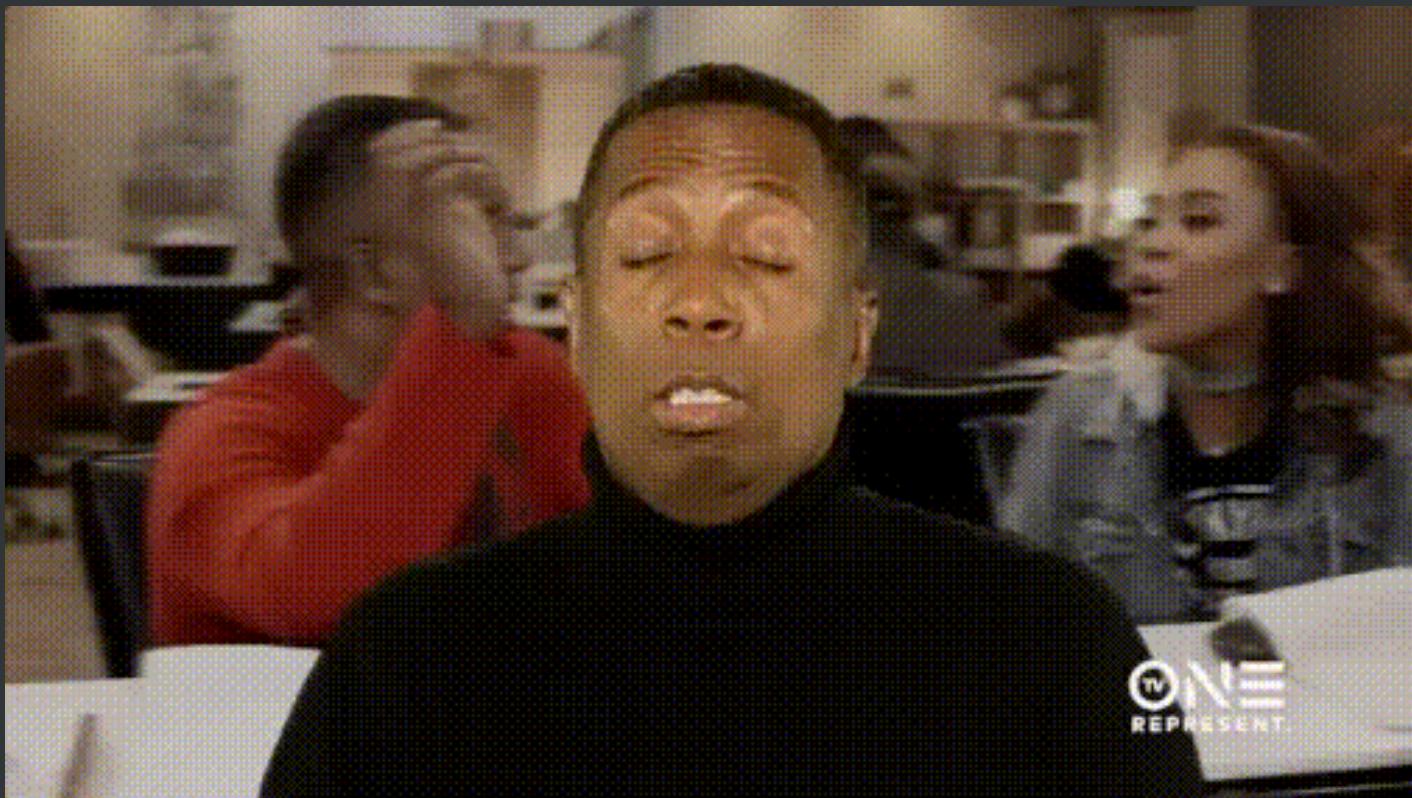
To select an element that is the next sibling use

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

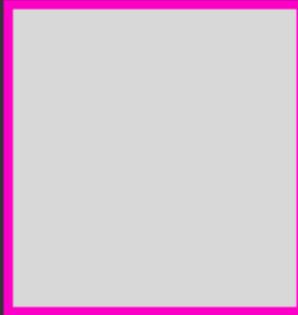
IDs

Classes

Tags



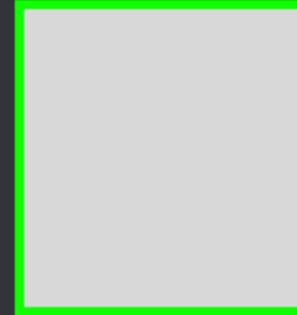
1000 points



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;
}
```

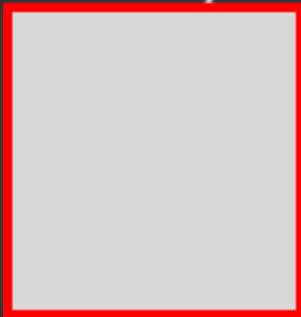
Specificity

Other
!important
Inline Style

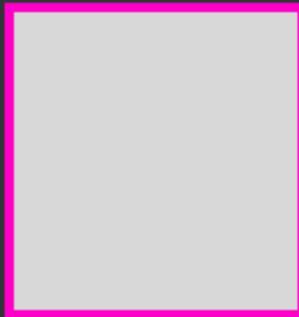
IDs

Classes

Tags



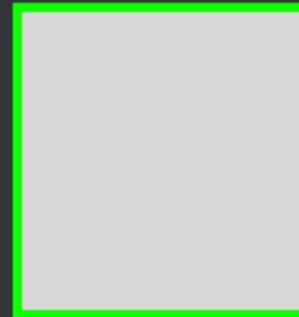
1000 points



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;
}
```

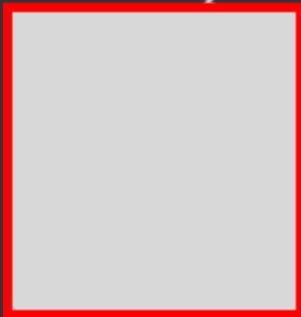
Specificity

Other
!important
Inline Style

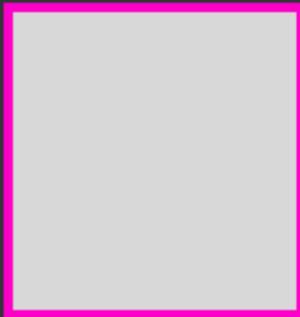
IDs

Classes

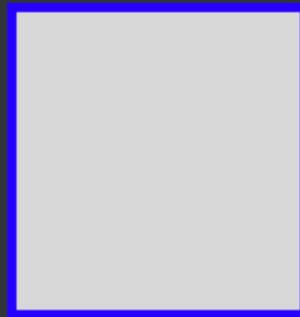
Tags



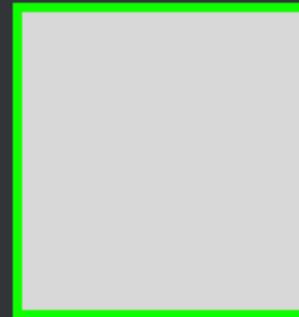
1000 points



100 points



10 points

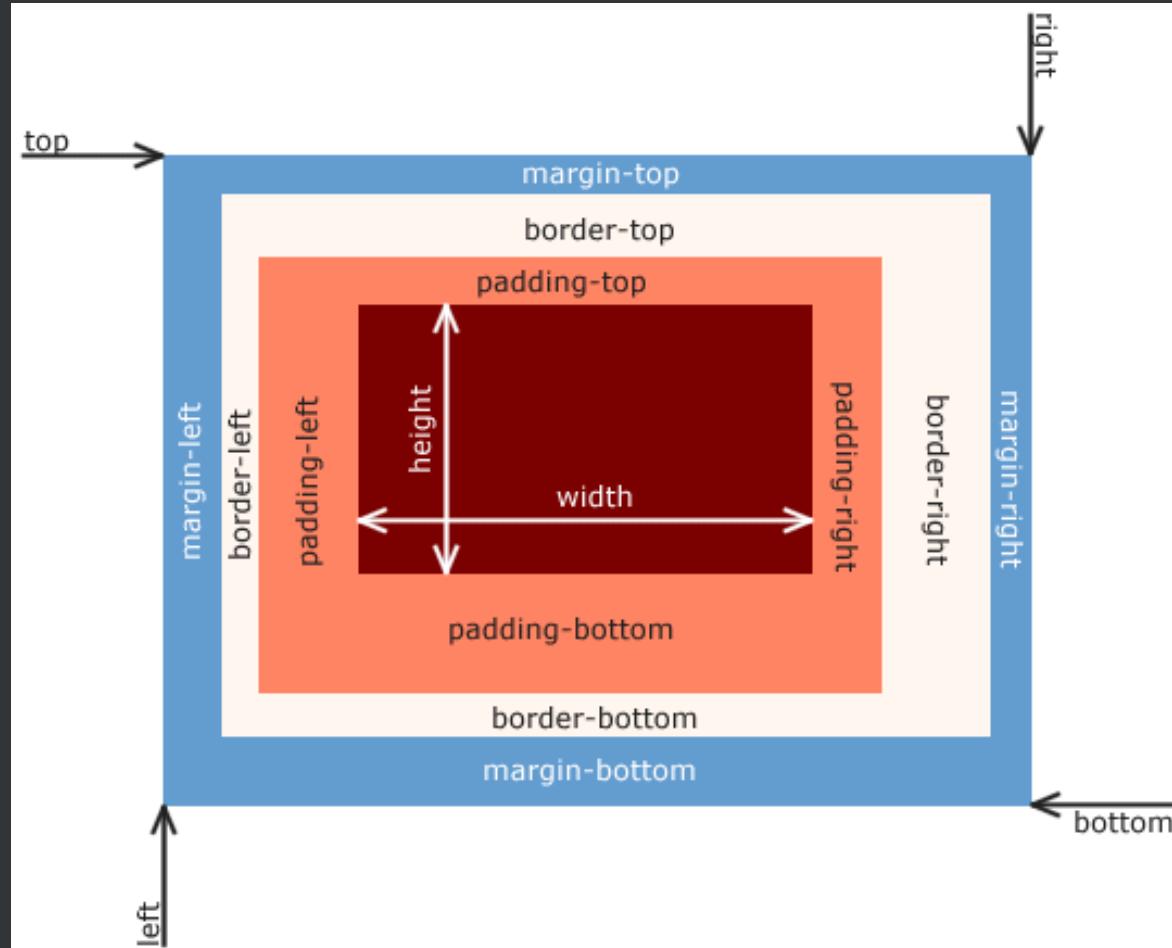


1 point

```
<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

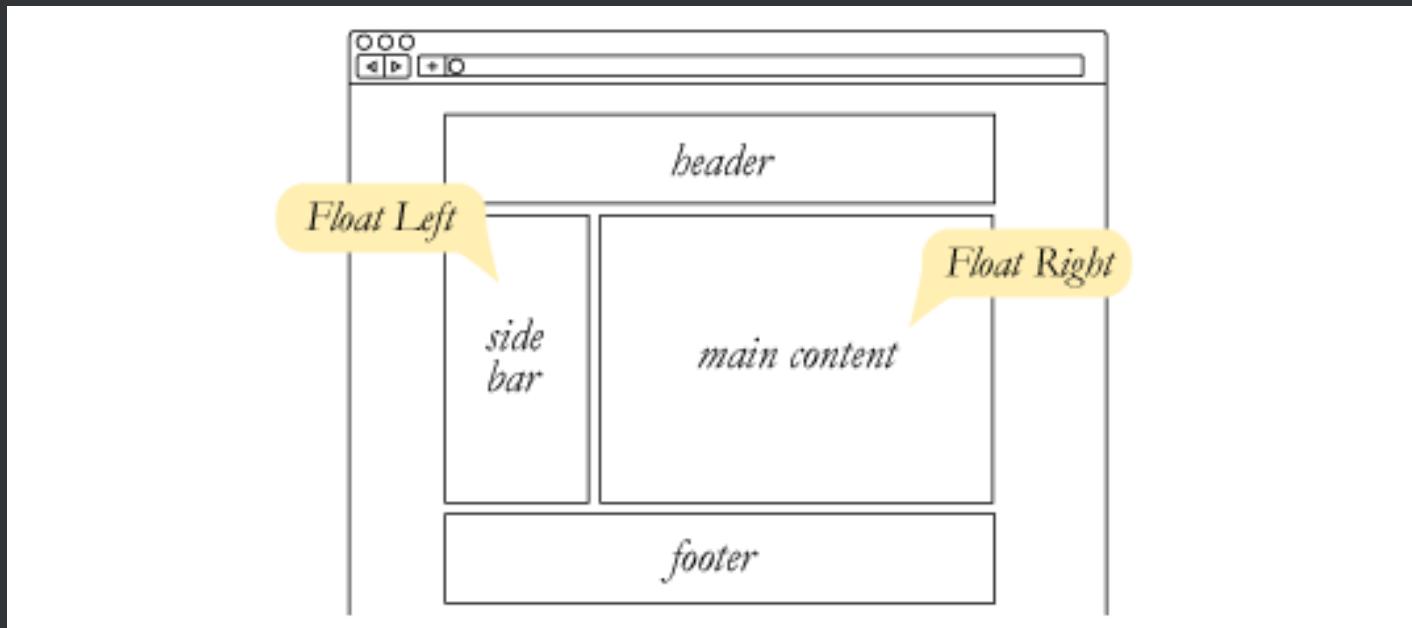
Time For Some Layouts



Let's Talk About Floats

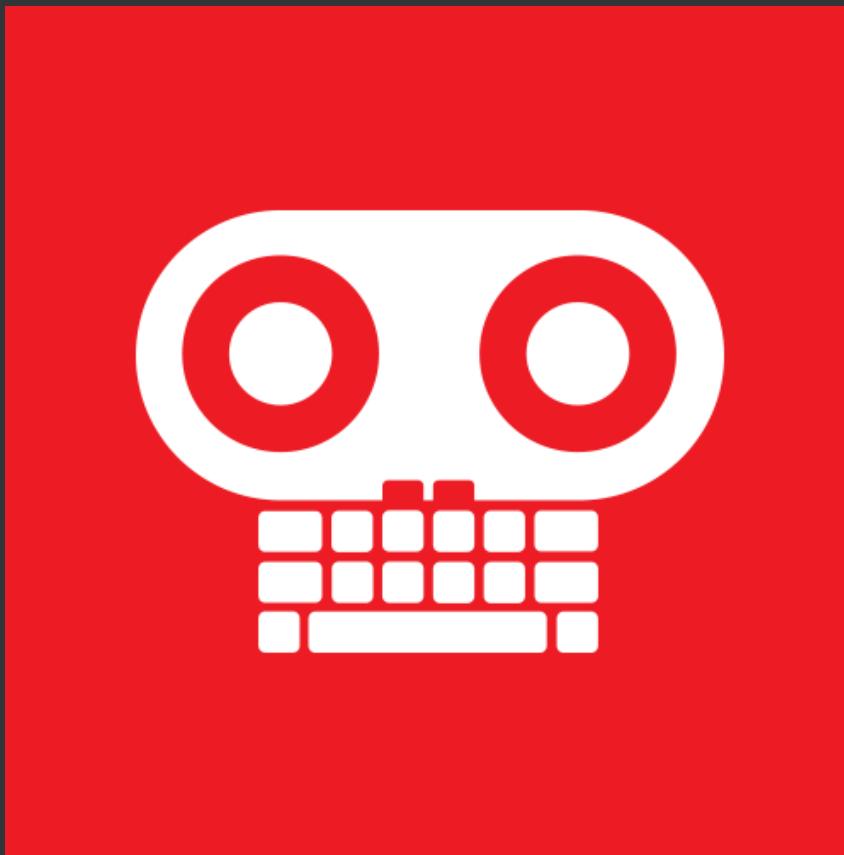


Floats



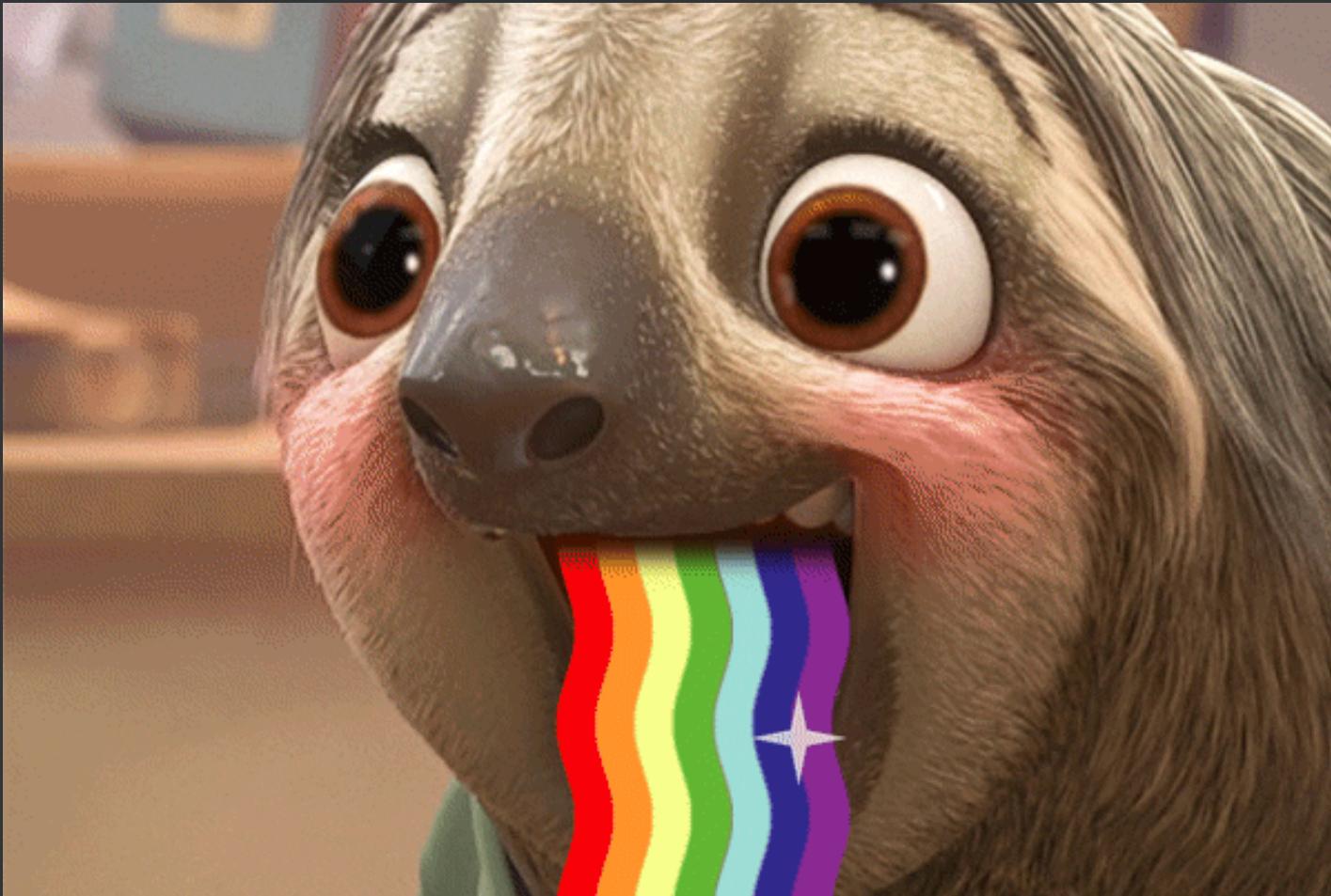
By [css-tricks](#)

Let's VOMIT



Real Layouts

⚠️ WARNING ⚠️



Layout 1



[Join Extra Crunch](#)

[Login](#)

[Search Q](#)

[Startups](#)

[Videos](#)

[Audio](#)

[Newsletters](#)

[Extra Crunch](#)

[The TC List](#)

[Advertise](#)

[Events](#)

—

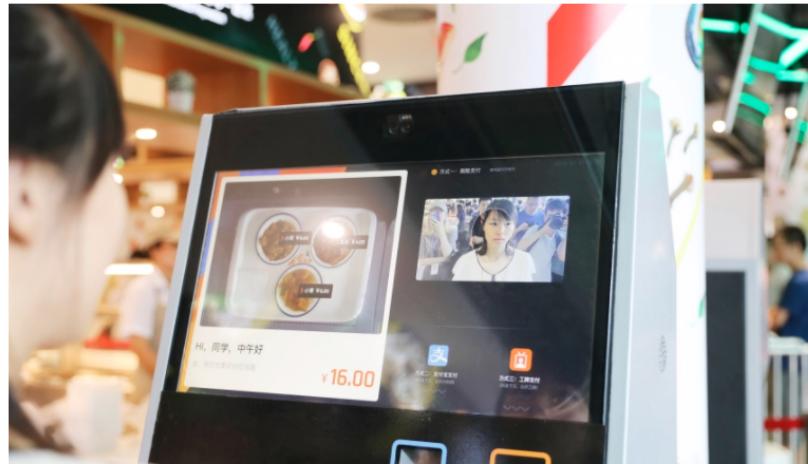
[More](#)

[E Extra Crunch](#)

What China's fintech market can teach the world

Finance researcher Martin Chorzempa discusses Ant Group, payments networks and more

Danny Crichton



The Latest

'Wonder Woman 1984' is coming to HBO Max (and some U.S. theaters) on Dec. 25

Anthony Ha

9:15 AM PST • November 19, 2020

Although COVID-19 is surging in the United States and around the world, Warner Bros. still plans to release "Wonder Woman 1984" on Christmas Day — but its plans are no longer limite...

SellerX raises \$118M to buy up and grow Amazon marketplace businesses

Ingrid Lunden

Spotify opens a marketplace for Canvas looping artwork designers

Brian Heater

Instagram revamps its mobile messaging app Threads

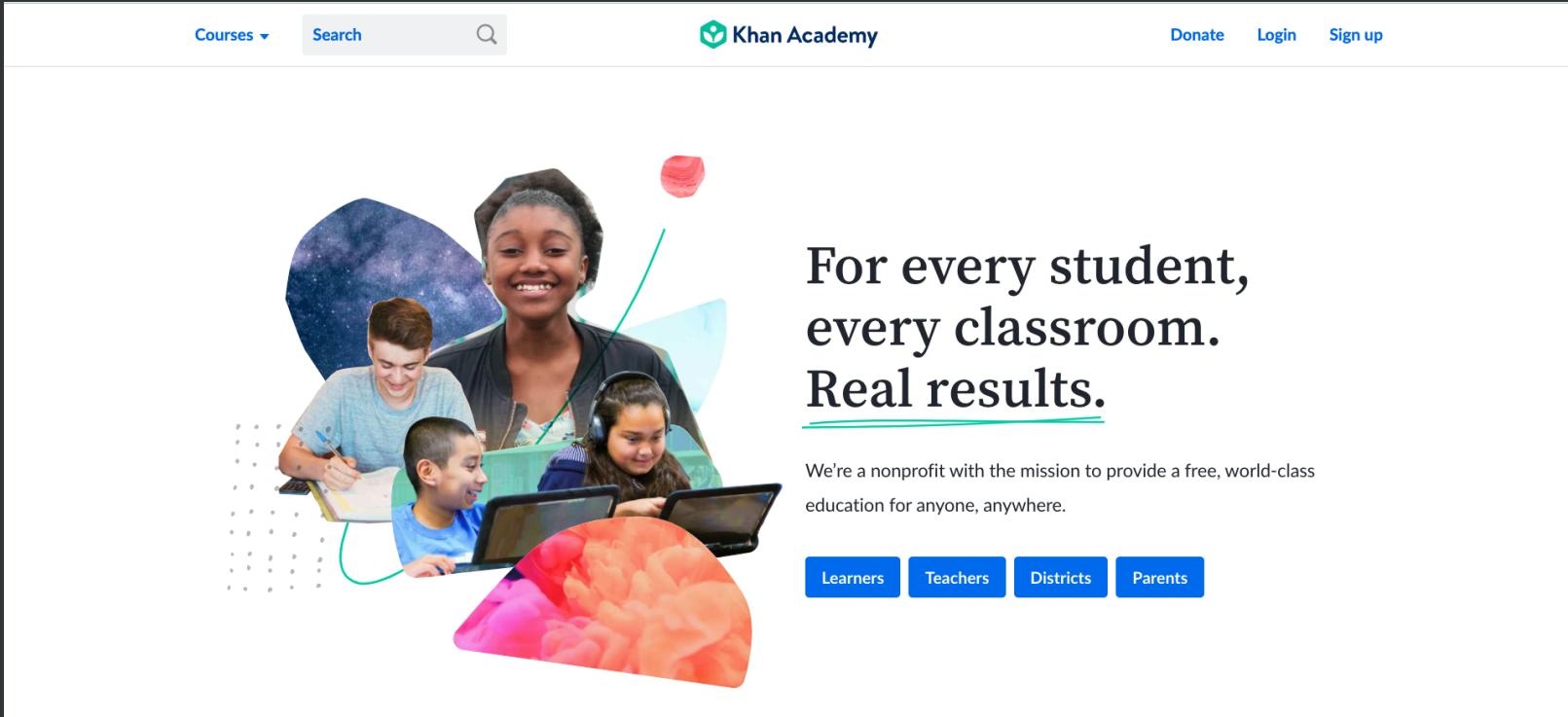
Sarah Perez

ZenBusiness snags \$55M Series B for its incorporation and growth platform for micro businesses

Danny Crichton



Layout 2



The image shows the Khan Academy homepage. At the top, there is a navigation bar with links for "Courses ▾", "Search" (with a magnifying glass icon), the "Khan Academy" logo, "Donate", "Login", and "Sign up". Below the navigation is a large, central promotional image. This image features four diverse students (two boys, two girls) engaged in various learning activities: one boy is writing in a notebook, another is using a laptop, and two others are looking at a tablet. The background is white, but it is overlaid with several large, semi-transparent, abstract shapes in shades of blue, green, red, and orange. To the right of the image, the text "For every student, every classroom. Real results." is displayed in a large, bold, black serif font. Below this, a smaller text block reads: "We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere." At the bottom right of the promotional area, there are four blue rectangular buttons with white text: "Learners", "Teachers", "Districts", and "Parents".

Courses ▾ Search 

 Khan Academy

Donate Login Sign up

For every student,
every classroom.
Real results.

We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere.

Learners Teachers Districts Parents

Layout 3

BBC | Sign in | Home | News | Sport | Reel | Worklife | Travel | Future | Culture | More | Search | 

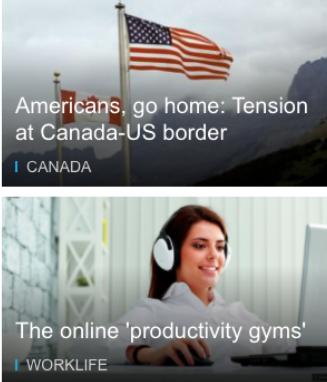
Welcome to BBC.com Thursday, 13 August



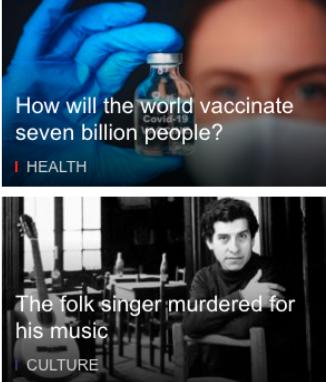
Israel and UAE strike historic peace deal
Israel and the UAE agree to normalise relations, marking the third Israel-Arab peace deal.
| MIDDLE EAST



Americans, go home: Tension at Canada-US border
| CANADA



The online 'productivity gyms'
| WORKLIFE



How will the world vaccinate seven billion people?
| HEALTH



The folk singer murdered for his music
| CULTURE

News



Biden and Harris say Trump has left US 'in tatters'
Joe Biden and running mate Kamala Harris call President Donald Trump a "whining" incompetent leader.
| US ELECTION 2020



Women form 'solidarity chains' in Belarus protests
Women take to the streets of Minsk dressed in white as they demand an end to police brutality.
| EUROPE

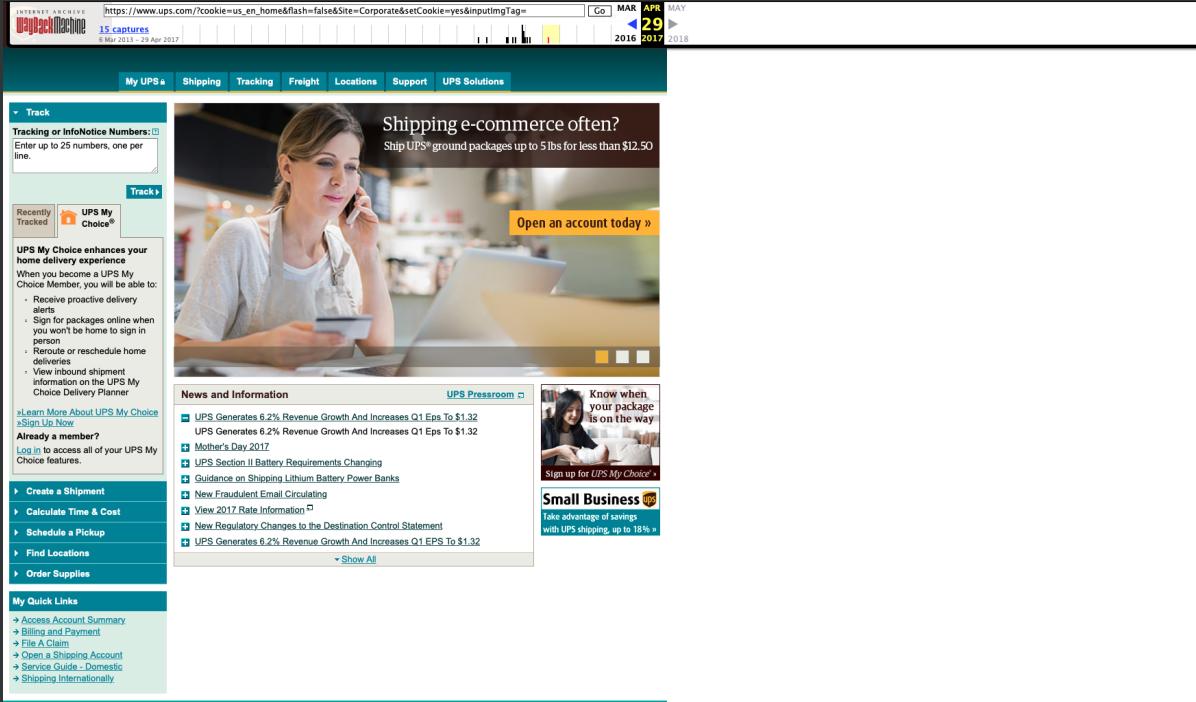


Trump says low-pressure shower heads won't wash
The US calls for rules to be eased after Donald Trump complained of issues washing his hair.
| US & CANADA

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: 20px;
```

```
}
```

```
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

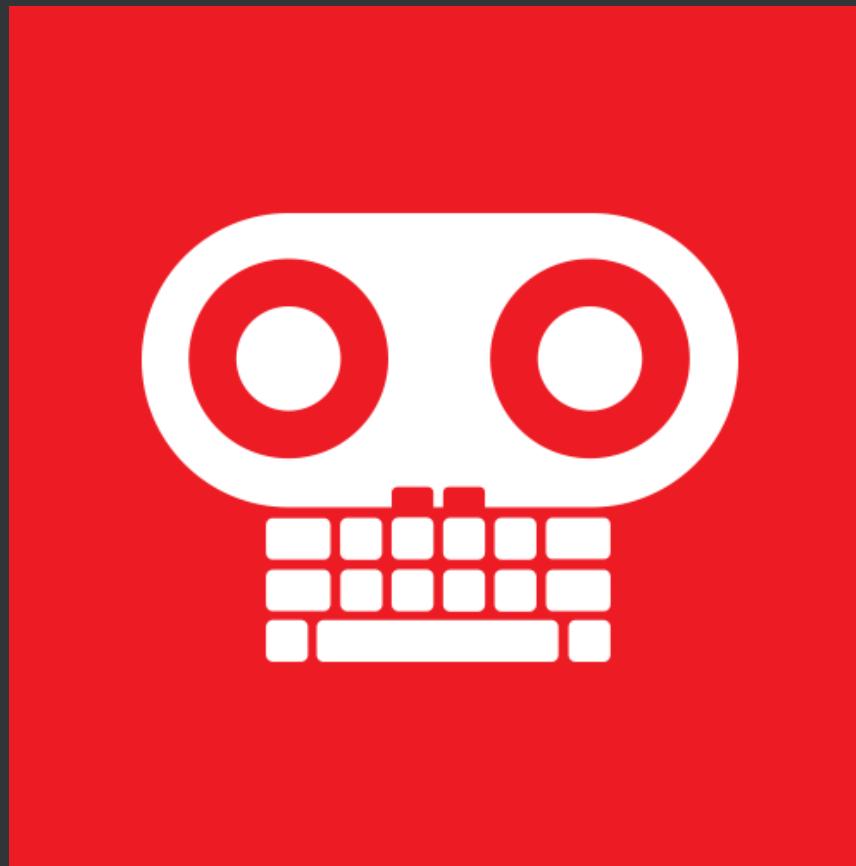
Important Addition To The Template

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

How can we make this responsive?



Let's Code



Make It Responsive

Homework



Do: Work On Layouts