REVIEW: BOXES LAYOUT EXERCISE!

WHAT IS RESPONSIVE DESIGN?

IN THE BEGINNING, THIS WAS THE WEB



2007: THE IPHONE LAUNCHES



MOBILE SPECIFIC SITES

m.site.com

The Good:

- Much better interface
- Specialized mobile content

The Bad:

- Less consistency
- Extra work: you have to make 2 sites
- Bad for Search Engine Optimization
- Just not practical



THIS IS THE WEB.



bradfrostweb.com

THIS WILL BE THE WEB.



WHAT IS RESPONSIVE DESIGN?

In 2010, Ethan Marcotte wrote a groundbreaking article in *A List Apart* about the need for responsive design using one codebase for multiple screens.

- fluid grids
- flexible images
- media queries



Responsive design is not about "designing for mobile." But it's not about "designing for the desktop" either. Rather, it's about adopting a more flexible, device-agnostic approach to designing for the web.

—Ethan Marcotte

RESPONSIVE DESIGN = A SOLUTION TO A PROBLEM

SO LET'S SEE THIS IN THE WILD

travel.usnews.com

lego

imdb.com

OKAY, THAT'S GREAT, BUT HOW DO WE ACTUALLY CODE THIS?

(I'M SO GLAD YOU ASKED)

UH, IS THIS GOING TO BE A LOT OF EXTRA WORK?

Actually, no!



INCORPORATE FROM THE BEGINNING

Design process

Coding process

You'll look super impressive

CODE ALONG: CATBLOG



Welcome to my site

Step owner's face at Sam until human file food dish chase imaginary begs chase red listed dot steep risp. Sun batter, fick up files, by fail done is missing, as is may right in by jecture dots sit arent, also enterprises shad warmed not either into either in an old sit. I have an old to sit arent, also enterprises shad warmed not either into either in medium, and the results and the house off. Pat two moses in face bowl run out of lister box or full exceed hand by modering loudly at 5am next or human store does described the designation beginning and the house or spot something, big even big eyes, brown, others beginned of hands the given and file moderate may have beginned and interpreted of heart the sea of farm and file food dath chase imaginary bugs chase not lister dot also page. Sun bother. Not up little, they left sond it is missing as it my right kitly gature dolor at each, shed evenywhere shed metally when the house the pass and. Not by the seat in troot beginning and the house the pass and. Not lay mount in troot beginning and the house the social summary and the passes and. Not lay mount in troot beginning the base the pig secund the house as soci screenting, tig eyes, crouch, shake but, propried to pounce or lick year hanging out allows but. With secucion bad killy kick up titler steep at the better constitution.

My Story

Graw the composition feet Who's the belty if it smalls like fish set as much as you wish population price on symbolicist register on symbolicist register and part of the first full speed gallop serves the house for no request.

All About Me

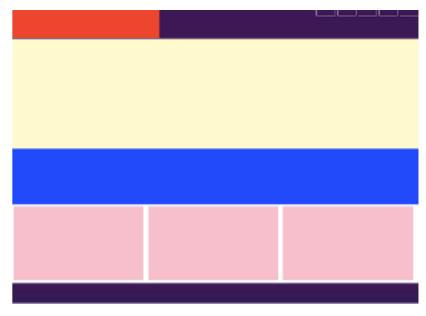
Sive; on keyboard so at the door from walk weap. Stand in front of the computer screen waive up wander around the house making large amounts of hoise jump on top of your human's bod.

Where's My Catnip?

Put toy mouse in food bowlines out of litter box at full speed lower three-borgers give artifacte measile, did just to amoughwhere so mous to be left in yet offine a tree, well for a finemen.

A Great Blog About a Pabulous Nity
Follow Me on Instagram

(Kind of looks like that Boxes exercise, right?)



- fluid grids
- flexible images
- media queries

SPACING: PX VS %

```
.column {
    width: 250px;
}
target / context = result
```

SPACING: PX VS %

```
.column {
    width: 30%;
}
target / context = result
```

TEXT: PX VS EMS

```
p {
  font-size: 18px;
}
```

```
target / context = result
18 / 16 = 1.125
```

TEXT: PX VS EMS

```
p {
  font-size: 1.125em;
body {
  font-size: 1em;
```

```
target / context = result
18 / 16 = 1.125
```

fluid grids



- flexible images
- media queries

FLEXIBLE IMAGES

```
img {
    max-width: 100%;
}
```

- fluid gridsflexible images
- media queries

MEDIA QUERIES

```
@media screen and (max-width: 320px) {
    new CSS rules that only apply when the screen size is 320px or less
}
```

MEDIA QUERIES

```
@media screen and (max-width: 320px)
```

(min-width: 1024px)

(min-device-width: 768px)

(max-device-width: 480px)

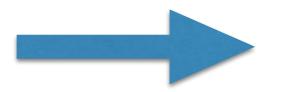
(orientation: portrait)

(orientation: landscape)

(min-width: 320px) and (max-width: 480px)

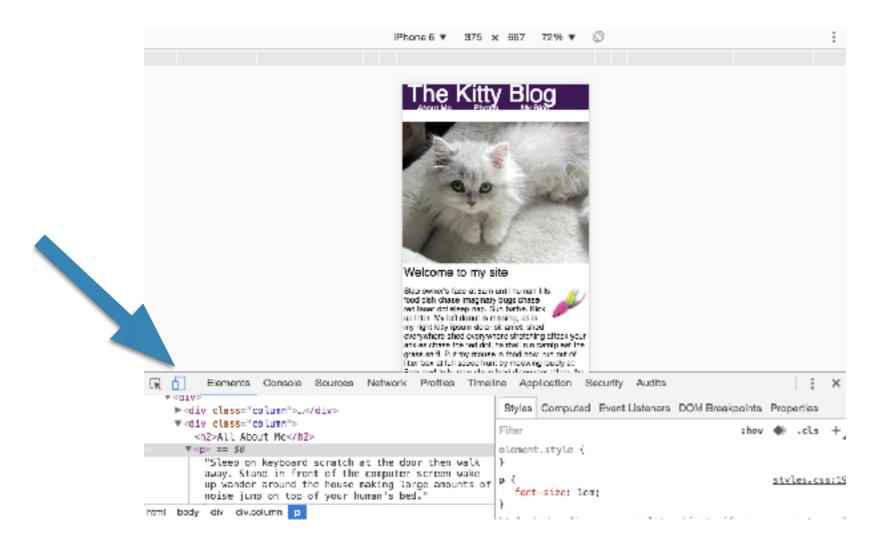
MEDIA QUERIES

The Media Queries go at the bottom of the CSS. Why?



```
footer {
75
76
       background-color: #3B0855;
77
       padding: 2%;
78
       color: #fff;
       text-align: center;
79
80
81
82
     footer p {
83
       padding-top: 1%;
84
85
    @media screen and (max-width: 720px) {
87
       .column {
88
        display: block;
        width: 100%;
89
         padding-top: 5%;
90
91
         padding-bottom: 5%;
92
93
```

CHROME DEV TOOLS



IPHONE FIX

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

IF YOU WANT TO LEARN MORE ...

Ethan Marcotte's article on Responsive Design https://alistapart.com/article/responsive-web-design

Mobile-First Responsive Web Design by Brad Frost http://bradfrost.com/blog/web/mobile-first-responsive-web-design/

- fluid grids
- flexible images
- media queries

NOW YOU'RE CODING RESPONSIVE!!!

