FRONT END WEB DEVELOPMENT

Class 09: Mobile Web Development

TODAY'S OBJECTIVES

- Quiz

- Introduction to Mobile Web Development

- Fluid vs Responsive vs Adaptive

- Media Queries

QUIZ

1. The 960 grid is included (before OR after) our style.css stylesheet?

2. "alpha" and "omega" classes:
   a.) are used to add empty spaces between columns
   b.) cancel the horizontal margins set by grid_xx
   c.) are a CSS class to create Roman numerals on a list element
   d.) do not exist in the 960 grid system

3. When using a 12 column grid, which class would you place on your container div?
   a.) container_12   b.) container12   c.) col-12   d.) col_12

4. A 16 column container grid has 4 columns inside of it. Each of those 4 columns receives the class name "_____".

5. TRUE OR FALSE? It is possible to include more than 1 class value on an HTML element. (ex. class="home redtext background-element")

MOBILE WEB DEVELOPMENT

MOBILE WEB DEVELOPMENT

- What is your favourite responsive website?

- http://thenextweb.com/dd/2013/01/13/30-new-inspiring-responsive-design-websites/6/

- What is mobile development?

- What tools are involved in creating a mobile site?

RESPONSIVE COMPONENTS

- Flexible Grid

- Fluid Images

- Media Queries

RESPONSIVE VS. ADAPTIVE

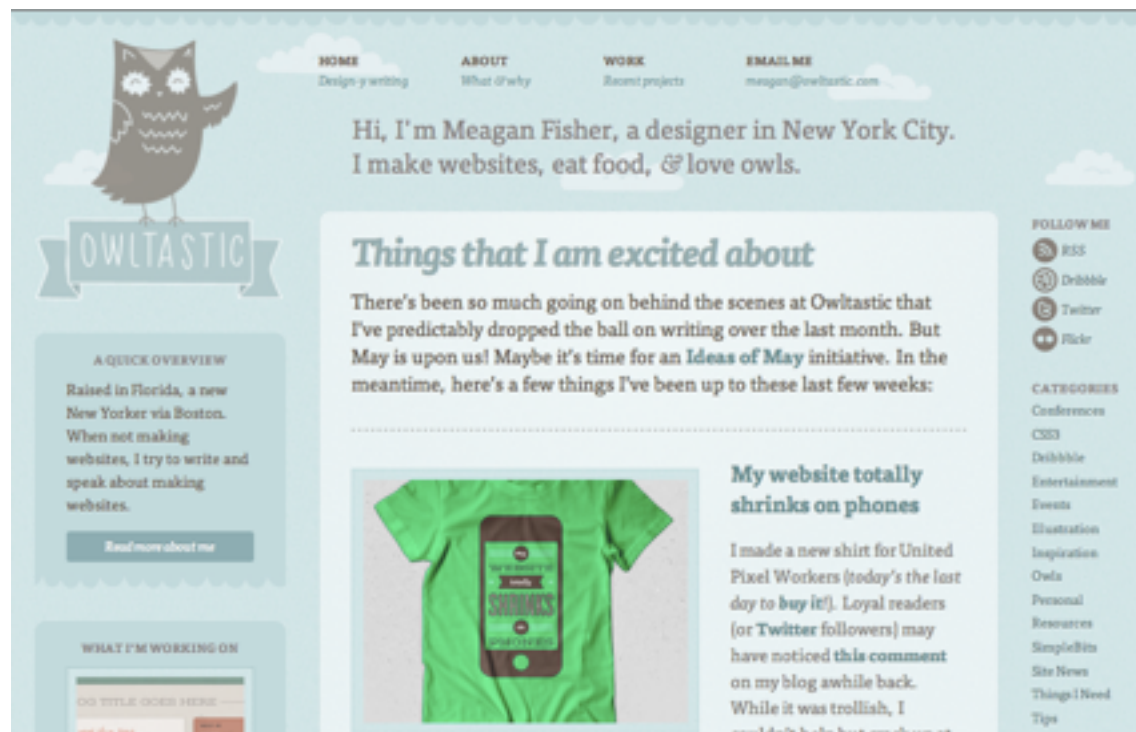- What is the difference ?

- Why choose one over the other ?

RESPONSIVE TO WHAT?

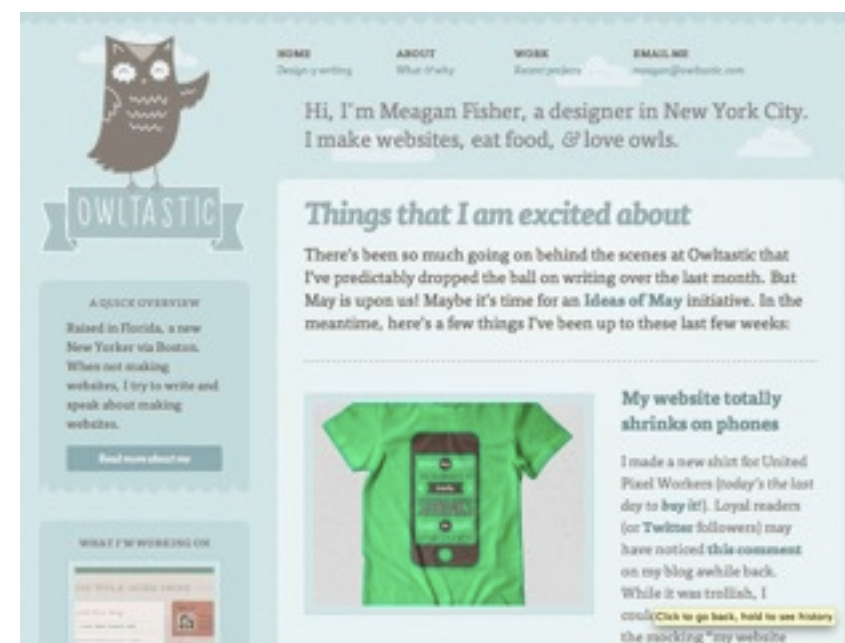- Screen size

- Performance

- Content

FOR EXAMPLE

http://owltastic.com/

desktop screen   tablet   mobile

TOOLS

- See today's resource folder

MEDIA QUERIES

Styles here only apply when the screen is between 320 and 480px wide ⟶

```
/* Smartphones (portrait and landscape) */
@media only screen
and (min-device-width : 320px)
and (max-device-width : 480px) {
  /* Styles */
}
```

Styles here apply when the screen is at least 312px wide ⟶

```
/* Smartphones (landscape) */
@media only screen
and (min-width : 321px) {
  /* Styles */
}
```

Styles here apply when the screen is at most 312px wide ⟶

```
/* Smartphones (portrait)  */
@media only screen
and (max-width : 320px) {
  /* Styles */
}
```

CONTENT OVERFLOW

The overflow property specifies what happens if content overflows an element's box.

Value	Description
visible	The overflow is not clipped. It renders outside the element's box. This is default
hidden	The overflow is clipped, and the rest of the content will be invisible
scroll	The overflow is clipped, but a scroll-bar is added to see the rest of the content
auto	If overflow is clipped, a scroll-bar should be added to see the rest of the content
inherit	Specifies that the value of the overflow property should be inherited from the parent element