Web Skills

Day 3

Bootstrap

- Bootstrap is a web framework designed for creating websites and applications.

- getbootstrap.com

Bootstrap Framework

- What is a framework?

Bootstrap

- It started off as an internal project at Twitter and is now open source(AKA Twitter Bootstrap)

Bootstrap

- Its designed to be mobile first which means that sites built with it scale nicely to different sized screens.

- http://expo.getbootstrap.com/

Bootstrap

- getbootstrap.com

Bootstrap

How to get it:

- Link to Content Delivery Network(CDN)

  http://getbootstrap.com/getting-started/

Bootstrap

How to get it:

- Download it

http://getbootstrap.com/getting-started/

Bootstrap

Required:

- Make sure you include <!DOCTYPE html>, must be the first line of the file

Bootstrap

Bootstrap is themable:

- http://bootswatch.com

- https://wrapbootstrap.com

- http://startbootstrap.com

- http://bootstrapzero.com

Bootstrap

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- http://bootswatch.com

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Have a look around, find a theme you like and load it up in Brackets

Bootstrap

The Grid System:

http://mhellar.github.io/bootstrap-grid/

-Bootstraps grid systems allows you to have 12 columns across the page.

-Basically how it works it to imagine the screen divided into 12 equal units

-If you don't want to use all 12 units individually, you can group some of the units together to form wider columns

-For example to have 2 columns across a page you would have three groups of four units each.. If you want content spread across 2 columns set it up a two groups of 6 units each..

-Bootstrap is able to tell the screen size and re-arrange the columns accordingly

-When you set up your columns you assign them a class. The class suffix tells Bootstrap how many units to consume.

-For instance, the class .col-sm-6 will tell Bootstrap to use 6 units. Six is the suffix.

-The prefix tells how to arrange the columns on a device.

Bootstrap

The Grid System:

.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1

.col-md-8		.col-md-4

.col-md-4	.col-md-4	.col-md-4

.col-md-6	.col-md-6

```html
<div class="row">
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
</div>
<div class="row">
  <div class="col-md-8">.col-md-8</div>
  <div class="col-md-4">.col-md-4</div>
</div>
<div class="row">
  <div class="col-md-4">.col-md-4</div>
  <div class="col-md-4">.col-md-4</div>
  <div class="col-md-4">.col-md-4</div>
</div>
<div class="row">
  <div class="col-md-6">.col-md-6</div>
  <div class="col-md-6">.col-md-6</div>
</div>
```

Copy

Bootstrap

The Grid System:

Grid options

See how aspects of the Bootstrap grid system work across multiple devices with a handy table.

	Extra small devices Phones (<768px)	Small devices Tablets (≥768px)	Medium devices Desktops (≥992px)	Large devices Desktops (≥1200px)
Grid behavior	Horizontal at all times	Collapsed to start, horizontal above breakpoints		
Container width	None (auto)	750px	970px	1170px
Class prefix	`.col-xs-`	`.col-sm-`	`.col-md-`	`.col-lg-`
# of columns	12			
Column width	Auto	~62px	~81px	~97px
Gutter width	30px (15px on each side of a column)			
Nestable	Yes			
Offsets	Yes			
Column ordering	Yes			

Bootstrap

Glyphicons

http://mhellar.github.io/listofavailableglyphicons.htm

Bootstrap

Even more icons:

http://fortawesome.github.io/Font-Awesome/get-started/

http://glyphicons.com/examples-of-use/

Bootstrap

-Jumbotron

-Oversized element that is meant to be a focal point on your website

```
<div class="container">
  <div class="jumbotron">
    <h1>My first Bootstrap website!</h1>
    <p>This page will grow as we add more and more components from Bootstrap...</p>
  </div>

  <p>This is another paragraph.</p>
  <p>This is a paragraph.</p>
  <p>This is another paragraph.</p>
</div>
```

Bootstrap

-Images

<img src="..." class="img-responsive" alt="Responsive image">

http://www.tutorialrepublic.com/codelab.php?topic=bootstrap&file=image-styling

Bootstrap

-Pagination

```
<ul class="pagination">
  <li><a href="#">1</a></li>
  <li><a href="#">2</a></li>
  <li><a href="#">3</a></li>
  <li><a href="#">4</a></li>
  <li><a href="#">5</a></li>
</ul>
```

http://www.w3schools.com/bootstrap/bootstrap_pagination.asp#

Bootstrap

http://www.w3schools.com/bootstrap/default.asp

http://bootsnipp.com/

http://www.joyofbootstrap.com/code.php

http://www.bootply.com/

https://scotch.io/bar-talk/bootstrap-3-tips-and-tricks-you-might-not-know

Bootstrap

http://pingendo.com/

Bootstrap

http://www.lavishbootstrap.com/

http://webcolourdata.com/profile/118219

https://color.adobe.com/

http://www.creativebloq.com/colour/tools-colour-schemes-12121430