Bootstrap Exploration Continues

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This week in our Lab time, you are going to explore further.

# Bootstrap Sophistication

Please start by looking at these links to articles and further information about Bootstrap.

Bootstrap and JavaScript - <http://getbootstrap.com/javascript/#js-overview>

Start on this page, browse the various information sections, try the buttons and feature demos. Your understanding of JavaScript is possibly still limited but this is a page that you will be able to refer back to, so its good to know what bootstrap offers for functionality and behaviours.

## **Dropdowns**

This section on dropdowns <http://getbootstrap.com/javascript/#dropdowns> explains how the navigation feature we used last week is controlled with JavaScript.

## **Carousels**

The section on carousels <http://getbootstrap.com/javascript/#carousel> is one that you should try out. Copy across the code from the website…..then you will need to make sense of where to customise.

You are looking for these lines

<img src="..." alt="..."> to add some photos

And this div to add your caption.

<div class="carousel-caption">

...

</div>

Spend some time getting this feature to work….what did you notice about the photo sizes for your carousel? Can you make adjustments to get this carousel looking great? Features like this need fabulous photos too…time to get thinking about a photography course??

Can you add a 3rd and 4th photo by reusing the code supplied?

This code

1. **<ol** class="carousel-indicators"**>**
2. **<li** data-target="#carousel-example-generic" data-slide-to="0" class="active"**></li>**
3. **<li** data-target="#carousel-example-generic" data-slide-to="1"**></li>**
4. **<li** data-target="#carousel-example-generic" data-slide-to="2"**></li>**
5. **</ol>**

is controlling the indicators  if you added a 4th photo you will also need an extra indicator.

Explore this feature further on W3Schools <http://www.w3schools.com/bootstrap/bootstrap_carousel.asp>

## **Tooltips**

Create some bootstrap buttons and try out the tooltip feature

<http://getbootstrap.com/javascript/#tooltips>

## **Checkbox and Radio**

Now that you are more familiar with how form inputs work (Chapter 9 and survey assignment), check out how bootstrap can add some behaviours.

<http://getbootstrap.com/javascript/#buttons-checkbox-radio>

And while we are reviewing form inputs check out this section in W3Schools

<http://www.w3schools.com/bootstrap/bootstrap_forms.asp>

<http://www.w3schools.com/bootstrap/bootstrap_forms_inputs.asp>

## **Responsive Images**

Working with image placement can often be a frustrating experience, bootstrap assists with this. Read about image responsiveness here.

<http://www.w3schools.com/bootstrap/bootstrap_images.asp>

You will want to use the class="img-responsive" so the image will then scale nicely to the parent element.

# Build some more websites to get that experience…

To get the skills with bootstrap you need to try building with their tools. To continue from last week there are 3 template tutorials you should be familiar with on W3Schools.

Take the time to build and understand the components, as you build you will be cutting and pasting code off the websites below, but take the time to try to understand what the code is doing. Save and view at each stage….maybe even leave yourself comments in your html to remind yourself what you are learning?

eg.

<!-- This is the code for Google Maps -->

etc etc

You will possibly want to come back to some of these templates to re-use sections of code

<http://www.w3schools.com/bootstrap/bootstrap_theme_me.asp>

<http://www.w3schools.com/bootstrap/bootstrap_theme_company.asp>

<http://www.w3schools.com/bootstrap/bootstrap_theme_band.asp>

Each theme uses bootstrap in a different way and you will discover more ways to achieve great looking websites.

# So Now…. Its All About Design

As you build your bootstrap skills and start using these components you will discover a new world of design that you need to explore.

The aim here is to use bootstrap in a way that maximises the best features but still add your own style to make your website unique, attractive and memorable.

Try these sorts of websites to look at how different the designs can be

<https://www.templategarden.com/category/all>

<https://bootstrapbay.com/blog/built-with-bootstrap>

# More than Just Bootstrap…this section is optional

For those of you that are already familiar with bootstrap and for those enthusiastic about web design, you should also explore some alternative frameworks, suggestions below.

If you are still feeling bombarded with bootstrap talk, then maybe leave this till later. The main message is that bootstrap is not the only framework out there!

## **Foundation**

Foundation by Zurb is another popular responsive front-end framework. For many web designers this is their tool of choice, so well worth exploring.

<http://foundation.zurb.com/learn/tutorials.html>

A tutorial on their grid system

<https://designshack.net/articles/css/a-beginners-guide-to-zurb-foundation-3-the-grid>

## **Skeleton**

Skeleton is a simple and clean responsive CSS boilerplate for HTML5 websites. It has a responsive grid layout, standard media queries, a CSS class for responsive image elements, and a PSD template for mocking up your web designs

<http://getskeleton.com/#intro>

A tutorial on their features

<https://designshack.net/articles/css/build-a-responsive-mobile-friendly-web-page-with-skeleton>

## **HTML5 Boilerplate**

Another popular alternative to explore, if you are still keen.

Included in HTML5 Boilerplate is a mobile-friendly HTML template, placeholder icons, CSS resets for normalizing/standardizing your stylesheet property values, standard media queries for popular viewing screens, an HTML5 shiv for non-modern web browsers, and more.

<https://html5boilerplate.com>

Not such great documentation for a beginner, but there are tutorials available.

<http://blog.teamtreehouse.com/html5-quick-start-with-boilerplate>

<https://www.youtube.com/watch?v=oDlsOyPKUTM>

## **And the list could go on**

……if you want to continue your exploration then this is a good list with plenty of associated links

<http://designinstruct.com/roundups/html5-frameworks>

# Lab Submission

Last week the documentation talked about the requirements for the lab submission. I need you to build a bootstrap (or other frameworks) website, just the home page will be sufficient.

Remember I will be looking for a navigation, grid columns and at least two other bootstrap components.

I will definitely be checking to see how it displays in tablet and mobile sizes ☺

Its due in 10 days….23rd October 5pm.

And for many of you this will be the final Lab to “collect” full marks for the Lab 20% portion of our course.