

AQUENT

GYMNASIUM

RESPONSIVE WEB DESIGN

Lesson 4

MATERIALS & ASSIGNMENT

THIS LESSON'S CORE CONCEPTS

1. By examining the history and syntax of CSS 2.0 media types (the most notable of which is the “print” media type), we gain an understanding of how media features have been used in the past as well as build a foundation for using the more sophisticated CSS3 media queries today.
2. The structure of a CSS3 media query relies on declaring a media type and expressions in order to check for the conditions of one or more media features. Although there are a number of media types and features in the CSS3 specification, only a handful are in widespread use today. The “width” feature is one of the features most commonly used, although it typically is used with prefixes in order to make it more specific.
3. The “min-” and “max-” prefixes are necessary to get the most out of media queries. “Min-” can be interpreted as “greater than or equal to” and “max-” can be interpreted as “less than or equal to.”
4. The difference between the “width” and “device-width” features is that “width” refers to the width of a document or print page, whereas “device-width” refers to the screen resolution of a device. We can use “device-width” to target devices such as smartphones and tablets, which almost universally will have smaller screen resolutions than their desktop counterparts.
5. We can increase the complexity and specificity of media queries through the use of logical operators. Examples include “chaining” media types and features together through the use of the “and” operator. Other operators include “not,” “only,” and comma-separated lists, which are the equivalent of the “or” operator.

READINGS:

- <http://stephaniehobson.ca/2012/03/14/print-styles-responsive-design/>
Print Styles Are Responsive Design
- <http://designshack.net/articles/css/6-things-i-learned-about-print-stylesheets-from-html5-boilerplate/>
6 Things I Learned About Print Stylesheets From HTML5 Boilerplate
- https://developer.mozilla.org/en-US/docs/CSS/Media_queries
CSS Media Queries reference (Mozilla Developer Network)

SITES MENTIONED IN PRESENTATION

- <http://coding.smashingmagazine.com/2013/03/08/tips-tricks-print-style-sheets/>
- <http://nicolasgallagher.com/micro-clearfix-hack>

ASSIGNMENTS

1. Quiz
2. Create a print style sheet of your Portfolio-in-Progress

- a. Create a media query for print as outlined in the video and apply it to your own evolving portfolio page. Use these as a basis for your own styles and modify as needed.
- b. The styles covered in this lesson were fairly basic; read up on more advanced techniques here — <http://coding.smashingmagazine.com/2013/03/08/tips-tricks-print-style-sheets/> — and experiment with adding some to your own print stylesheet.
- a. Similar to Assignment #2, using the media query and styles outlined in the video, add a breakpoint at 720 pixels to your own portfolio, making sure that any content you have added is logically flowing.
- b. You will also need to add the clearfix code to prevent any future breaking of the layout. This code can be found in the “clearfix.txt” file in the lesson folder, and the instructions for how to apply it are described in the Chapter 3 video: “Column Layout and Media Queries.”