

AQUENT

GYMNASIUM

RESPONSIVE WEB DESIGN

Lesson 2

MATERIALS & ASSIGNMENT

THIS LESSON'S CORE CONCEPTS

1. The challenges of Responsive Web Design. We discuss how responsive design is challenging by nature, especially if you are exploring the world of boilerplates, templates, and systems.
2. What you need to know about HTML5. We discuss the foundations of why HTML5 syntax is used to help create cleaner, more logical, and more accessible web pages. Specifically we look at how to structure a page of simple HTML tags using elements such as <section>, <article>, <header>, <footer>, <nav>, and <figure>. We also discuss the importance of addressing browser compatibility.
3. What you need to know about CSS3. We discuss how CSS3 properties provide features that can improve our web pages, but that, as with HTML5, we need to be aware of browser support. We also learn how to incorporate CSS3 web fonts into a page.

ADDITIONAL READING

- An explanation of the pros and cons of using responsive frameworks:
<http://www.vanseodesign.com/css/css-frameworks-pros-cons/>
- A discussion of HTML5's document outlines:
<http://html5doctor.com/outlines/>
- A list of HTML5 elements:
https://developer.mozilla.org/en-US/docs/HTML/HTML5/HTML5_element_list
- A discussion of the semantics of HTML5:
<http://html5doctor.com/lets-talk-about-semantics/>

WEBSITES MENTIONED IN THE LESSON

- <http://developers.whatwg.org/>
- <http://caniuse.com>
- <http://www.html5please.com>
- <http://necolas.github.com/normalize.css/>
- <http://code.google.com/p/html5shim/>

ASSIGNMENTS

1. Quiz

2. Add the remaining HTML5 tags to the portfolio_work.html document

In the video for this lesson, the instructor added a number of HTML5 tags to the document portfolio_work.html but not all of the tags were added.

- If you followed along with the instructor and the video then you should have a document named “portfolio_work.html” and have added a number of HTML5 elements. Return to that file and finish adding HTML5 elements based on the comments within the document.
- If you did *not* follow along with the instructor, do the following:
 - Open the document “portfolio_start.html” within the lesson folder and save a copy named “portfolio_work.html.”
 - Add all of the HTML5 elements as indicated by the comments within the file.
- You can check your work by examining the Portfolio_final.html document in the “completed” folder within the lesson file folder.

3. Create a Plain HTML document with your own personal details

By the end of this course we want you to have a responsive portfolio site. It’s time to get started by adding your personal information into an HTML5 document. Perhaps you already have a portfolio that you can use or can borrow details from a résumé or a LinkedIn profile. At the end of the assignment you should have an HTML document that has your personal data and uses HTML5 elements with support for older browsers (using the HTML5shim and Normalize.css code seen in the video).

Important! This document is a cornerstone for all assignments moving forward and will be the basis of the final assignment: your own responsive portfolio.