*One day, hopefully very soon, I will be able to laugh at not knowing these definitions, but today, I am afraid they are all brand new to me.*

*I was able to get a greater understanding of some to the definitions in my industry and realize that I have a lot to learn. A lot about web design is complex to a beginner, but I positive that I will be able to learn how to code and grasp the language both from a coding and terminology.*

**Word/Term:   
XHTML**

**Class in which this is covered: In what month of your program does this class occur?**Server-side Languages: month 12

**Define the word/term in your own words:**   
HTML is a markup language that tags text for the World Wide Web. XML is also a markup language that is able to extend. XHTML was created to bridge HTML and XML for developers.

**Provide an example of how the word/term is used in your industry:**Using XHTML will benefit both the HTML users on the team as well as the XML users, because it bridges both codes. This can save clients a lot of money because programmers/developers do not have to start from scratch on a project.

**What is the importance of this word/term?**XHTML helps uniform programing by making it a lot stricter, which means less room for errors. It also helps developers continue to develop both past and future coding in order to keep the project moving as technology evolves.

**Provide at least 2 links where you found information about the word/term:**<http://www.tutorialspoint.com/xhtml/what_is_xhtml.htm>

<http://webdesign.about.com/cs/xhtmlxml/a/aa013100a.htm>

**Word/Term:   
Open Source**

**Class in which this is covered: In what month of your program does this class occur?**Front-end Web Frameworks: month 10

**Define the word/term in your own words:**   
Open source programs mean that the public can use them without restriction. Linux and Firefox are two programs that derived from open source. Open source exists from people sharing their programs and from companies who make donations or fund projects.

**Provide an example of how the word/term is used in your industry:**As I develop my own website, I will be sure to visit open source websites to save time on programming functions that may enable my site to; 1. To be as updated on the customer experience as possible, 2.

Keep cost down from unnecessary development time. Because this software is not supported by IT, I will have to follow web forums to stay on top of bug reports.

**What is the importance of this word/term?**Open sourcing allows the world to share a unified language in order to cooperatively function together. It may be the closest thing we will ever see to peace on earth. It shares knowledge and openly shares it for the betterment of mankind through technology, as long as it is used for good.

**Provide at least 2 links where you found information about the word/term:**<http://opensource.com/resources/what-open-source>

<http://www.techterms.com/definition/opensource>

**Word/Term:   
Semantic Markup Elements**

**Class in which this is covered: In what month of your program does this class occur?**Designing for Web Standards I: month 5

**Define the word/term in your own words:**Elements have meaning, regardless of the position in the layout, which both browser and developer understand in order to be able to work in unison.

**Provide an example of how the word/term is used in your industry:**Learning to code with HTML 5 will save me a lot of time as a developer, because I will not have to separately id my code to understand the layout. The browser and I will literally be on the same page.

**What is the importance of this word/term?**Systematic markup elements save lots of time and make it easier to trouble shoot code. This also helps if you are working on a group project because everyone id’s their code uniquely.

**Provide at least 2 links where you found information about the word/term:**<http://www.w3.org/TR/WCAG20-TECHS/G115.html>

<http://www.w3schools.com/html/html5_semantic_elements.asp>

<http://blogs.msdn.com/b/jennifer/archive/2011/08/01/html5-part-1-semantic-markup-and-page-layout.aspx>

**Word/Term:   
Object-Oriented Programming (OOP)**

**Class in which this is covered: In what month of your program does this class occur?**Design Patterns for Web Programming: month 11

**Define the word/term in your own words:**   
Object-oriented programming (OOP) is an embedded code for specific function(s) of an object. It started as a Simula language in (1967) and is used with programming languages such as Java, Perl, C# and Python.

**Provide an example of how the word/term is used in your industry:**The website logo has a object-oriented program embedding into it so that when clicked upon, it takes you back to the home page.

**What is the importance of this word/term?**The importance of this term is that it is key to programming complex tasks that give unique experiences so that all websites are not identical.

**Provide at least 2 links where you found information about the word/term:**<http://www.britannica.com/search?query=object-oriented%20programming>

<http://www.lynda.com/Excel-tutorials/Introducing-object-oriented-programming/62906/68825-4.html?famodal=1&vid=6&fatoc=1>

<http://education-portal.com/academy/lesson/object-oriented-programming-vs-procedural-programming.html#lesson>