Assignment 1 HTML5 vs XHTML 1.0

HTML5 and XHTML are both markup languages used to create a webpage with structured content, images, links, text, etc. Although they are similar and their codes can make the webpage look identical, the coding behind it has some slight differences. They both use tags the format the presentation of the data such as, heading, title, table, nested lists, bulleted lists, ordered lists, etc.They both have the header tag and body tag, as well. HTML5 is the latest version of HTML, which stands for HyperText Markup Language. XHTML is an extension of HTML with some stricter rules and it stands for eXtensible HyperText Markup Language.

After coding in HTML5 and in XHTML, I noticed some of the differences in their syntax. For example, HTML5 is more capable of handling incorrect syntax and other errors, while XHTML is more strict and requires the standard rules to be followed. HTML5 is not case sensitive unlike XHTML. XHTML requires structure and consistent format since tags must be nested properly, all attributes and element tags must be in lower case and must include the closing tag, it needs to start with the DOCTYPE declaration and the xmlns attribute in <html>, attribute values must be in quotes, and attribute minimization is not allowed. However, HTML5 can use lowercase or uppercase tags, the closing tags of elements are optional, no need for a long doctype (only one line for the DOCTYPE html is fine), there is no transitional and strict versions of code instead there is only one standard mode, the charset meta tag declaration is simpler, the attribute values do not need to be quoted, and it has some additional elements that are not supported in XHTML, such as video and audio. Overall, distinguishing between the two was not that hard and transitioning from XHTML 1.0 to HTML5 and vice versa was not as tedious as I thought it would be. However, I prefer to use HTML5 because of its simplicity.