Lab 1

IT 1150

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Part 1

***Executive Summary***

I will be explaining the importance of web standards, what they do and what languages they relate to. Also, I will explain a few vocabulary terms that have to do with html and how webpages work. Such as: Accessibility, Usability, Responsive Web Design, and plenty more. Lastly, I will link an on hands demo of the basic structures of a web page in an html file.

1. Web standards is important because they are the rules and guidelines established by the World Wide Web Consortium (W3C) developed to promote consistency in the design code, which makes up a web page. W3C is related to HTML and CSS because their primary focus is to create standards or protocols to enhance the growth of the World Wide Web.

2. **Usability** is part of the broader term “user experience” and refers to the ease of access and/or use of a product or website. A design is not usable or unusable *per se*; its features, together with the context of the user (what the user wants to do with it and the user’s environment), determine its level of usability.

**Cross-Browser Compatibility** is something that makes a website look good and is compatible in multiple browsers regardless of version. So whether you are looking at a page in Safari or Google Chrome, it will look clean.

**Accessibility** provides the user a good way to navigate and interact with your site. It should be easy with people also visual disabilities to be able to read your website clearly and be able to access objects on the page.

**Search Engine Optimization** is the process of maximizing the number of visitors to a particular website by ensuring that the site appears high on the list of results returned by a search engine.

**Responsive Design** is an approach to web page creation that makes use of flexible layouts, flexible images and cascading style sheet media queries. The goal of responsive design is to build web pages that detect the visitor's screen size and orientation and change the layout accordingly.

***Conclusion***

In conclusion, there are many functions that are in play in the development of a webpage. Whether its accessibility, cross-browser compatibility, or usability, everyday things we do on the Internet could not be done without these things. All the terms above explained, would not be here either without WC3. The standard protocols and guides in our webpages are so important to functionality of the Web.