

Assignment 1 Part 2: QUIZ

A. Please explain web server, web browser, url.

A web server has the responsibility of waiting for requests from browsers. It is a computer connected to the Internet and each server stores HTML files and other file types. When the client launches a web browser and sends a request for HTML or other resources, the server locates the file and delivers it to the browser. The browser retrieves the page and then displays it to the user.

A URL is the Uniform Resource Locator and provides the address of the resource such as web pages in a world wide web architecture.

B. What is difference between html and http?

HTTP or HyperText Transfer Protocol defines how messages are formatted and transmitted between web servers and browsers, while HTML defines how web pages are formatted and displayed by the browser.

C. What is the usage of page structure tags (<html>, <head>, <body>)? Can you work without them?

The <html> tag defines the beginning and end of the web site. You must begin with the <html> tag and end with the </html> tag for the web site to function properly. The <head> tag is a container for metadata and is placed between the <html> tag and the <body> tag. Metadata is data about the HTML document and it is not displayed. It typically defines the document title, character set, styles, scripts, and other meta information. The <body> tag defines the document's body. It contains all the contents of an HTML document, such as headings, paragraphs, images, hyperlinks, tables, and lists. There can only be one <body> element in an HTML document. You cannot work without these tags.

D. What is <title> tag used for?

The <title> tag defines the title of the document. The title must be text-only, and it is shown in the browser's title bar or in the page's tab. It is required in HTML documents. It defines a title in the browser toolbar, provides a title for the page when it is added to favorites, and displays a title for the page in search-engine results.

E. Can you identify difference between <div> and <p> tag when styling a page?

The <div> tag defines a division or section in an HTML document. It is used as a container for HTML elements and is typically styled with CSS or manipulated with JavaScript. Any sort of content can be put inside the <div> tag. Meanwhile, the <p> tag simply defines a paragraph, so you cannot place any sort of content inside a paragraph. This tag is intended for text and can be styled with CSS.

F. Provide tags for different levels of headings that HTML support?

The <h1> to <h6> tags are used to define HTML headings. <h1> defines the most important heading and <h6> defines the least important heading. Only use one <h1> per page. This should represent the main heading for the whole page and do not skip heading levels. Start with <h1> and then use <h2> and so on. The <h1> through <h6> tags use default values in browsers, but can also be styled and overwritten with CSS.

G. Joe is a potential Fall 2019 UMD student. He wants to submit his application files to UMD admission website. Draw a diagram to illustrate how Joe's machine communicates with UMD website to return UMD admission page.

