V1: Web Technology Fundamentals I Assignment

By Mwangi Samuel.N

1. What are clients? **Clients are the devices that request and render web content.**

2) When we type in a URL, the request does not typically go first to the web server.  Where does it go? **Checks the cache database that has the domain name system**.

3) [True or False] In response to a web request, all required files are sent at the same time.**False**

4) [Critical Thinking] Why is it important to understand DNS when helping a client change hosting companies? **To help in friendly human navigation**.

5) Which layer has protocols like HTTP, FTP, and SMTP? **OSI Layer**

6) What does the author mean when he says HTTP is a **stateless**protocol? **The server isn’t required to retain session information or Status.**

7) [Critical Thinking] What is the purpose of a subdomain? **Used in case of content information is distinct from the rest of the site.**

8) Which rendering engine is based on WebKit and used under the hood to develop Chrome? **Blink Engine**.

9) [Critical Thinking] Why are web standards important to web developers? **To ensure built websites are usable and accessible to all.**

10) [Critical Thinking] What is the LAMP stack? **An open source Web development platform.(Linux ,Apache, MySQL and PHP.**

11) [Critical Thinking] Why is it important to know what stack is being used by your host? **To know possible websites and web applications that area available for access.**

12) [True or False] According to our author, front end design is commonly associated with the server.**True**

13) What are the three languages the author associates with front end design? **HTML, CSS and JavaScript.**

14) [Critical Thinking] Why was HTML5 created? **Because there were a lot of mixed-up features in the HTML and XHTML.**

15) [Critical Thinking] What does the HEAD of an HTML document contain? **Information about current document such as title, keywords that may be useful to search engines and other data that isn’t considered document content.**

16) [Critical Thinking] What does the term cascade mean? **Used to mean the child data has been updated or deleted.**

17) What’s the benefit of using a separate file to store your CSS? **Layout can be controlled and Style can be kept separate from structure.**

18) In CSS, what separates a property from a value? **The value is given to the property ,Semi-colons are used to separate property.**

19) [Critical Thinking] What is the purpose of JavaScript? **To create responsive, interactive elements for web pages ,enhancing the user experience.**

20) Which 2 types of graphics support transparencies? **PNG & GIF.**

21) Which type of image scales without any loss in quality? **PNG**.