SOFTWARE DEVELOPMENT ASSIGNMENT

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1. Clients are devices of typical web users connected to the internet. Basically, it is the hardware or software that accesses a service on a server.

Examples of clients devices are; laptops and smartphones.

1. The role of a server is to store webpages, sites, or apps.

When a client device wants to access a webpage, a copy of the webpage is downloaded from the server onto the client machine to be displayed in the user’s web browser.

1. A DNS(domain name system) is like an address book pr phonebook of the internet.

When a user types a web address in a broswer such as “google.com”, the DNS is responsible for finding the website’s IP address. The browser needs to find out which server the website lives on, so it can send HTTP messages to the right place.

1. The three basic level of DNS are:
2. Authoritative name servers
3. Root name servers
4. TLD name servers
5. An IP address is a unique address that identifies a device on the internet or local network. IP address plays a crucial role in identifying and facilitating communication between devices on the internet.
6. The small chunks of data transferred over the internet is called **Data packet**.
7. **HEAD** -the head tag <head> is used to contain meta-information about the HTML document, such as its title, links to stylesheets and scripts.

**TITLE** - the title tag <title> is used to define the title of the HTML document, which is displayed in the browser’s title bar or tab.

**BODY** - the body tag <body> contains all the content that is displayed on the web page, including text, images, links, and any other elements.

1. Semantic HTML tags are tags that define the meaning of the content they contain. For example, tags like <header>, <article>, and <footer> are semantic HTML tags.

The semantic HTML tags is important because it helps the search engines and other user devices to determine the importance and context of webpages.

1. Accessbility is important because developers can improve the website accessbility by employing the universal design principles when building or redesigning a website. Online contents that meets accessibility requirements is likely to be more user friendly for everyone.