Lecturer (4)

What is the Web Server?

A Web server is a program that uses HTTP (Hypertext Transfer Protocol) to serve the files that form Web pages to users, in response to their requests, which are forwarded by their computers' HTTP clients. Dedicated computers and appliances may be referred to as Web servers as well.

On the other words, Web servers are computers that deliver (serves up) Web pages. Every Web server has an IP address and possibly a domain name. For example, if you enter the URL.

What is the web browser?

Short for Web browser, a browser is a software application used to locate, retrieve and display content on the World Wide Web, including Web pages, images, video and other files.

On the other words, Web Browsers are software installed on your PC. To access the Web, you need a web browser, such as Netscape Navigator, Microsoft Internet Explorer or Mozilla Firefox.

Figure shows types of web browser

What is the hyperlink?

A hyperlink is an element in an electronic document that links to another place in the same document or to an entirely different document. Typically, you click on the hyperlink to follow the link. Hyperlinks are the most essential ingredient of all hypertext systems, including the World Wide Web.

What is the W3C?

Short for *World Wide Web Consortium,* an international consortium of companies involved with the Internet and the Web. The W3C was founded in 1994 by Tim Berners-Lee, the original architect of the World Wide Web. The organization's purpose is to develop open standards so that the Web evolves in a single direction rather than being splintered among competing factions.

What is the DNS?

DNS is a short for *Domain Name System* (or *Service* or *Server*), an Internet service that translates *domain names* into IP addresses. Because domain names are alphabetic, they're easier to remember. The Internet however, is really based on IP addresses. Every time you use a domain name, therefore, a DNS service must translate the name into the corresponding IP address. For example, the domain name *www.example.com* might translate to *198.105.232.4.*

What is the HTML?

HTML (Hypertext Markup Language) is the set of markup symbols or codes inserted in a file intended for display on a World Wide Web browser page. The markup tells the Web browser how to display a Web page's words and images for the user. Each individual markup code is referred to as an element (but many people also refer to it as a tag). Some elements come in pairs that indicate when some display effect is to begin and when it is to end.

The purpose of building the website

Whether your website is for business or personal interest, there are a number of things you have to consider before you start actually building your site. The first step should be deciding on the purpose of the website.

Purpose of Website - Why are you building this website?

Ask yourself, **"Why am I building this website?"**

- Are you building this site to make money from your website?

- To share information?

- or for your friends and family to keep in touch?

The purpose of the website will influence the *style*, the *website technologies* required, *hosting costs* and *budget* required for your website.