

WEB TECHNOLOGIES

➤ **Web site**

A web site is a selection of document written in the HTML for and individual, a business house or any other organization .it is typically dedicated to same particular topic or purpose.

➤ **Based on their functionality**

There are two types of website

- Static website
- Dynamic website

➤ **HTML**

- HTML is a language for describing web page.
- HTML stands for hyper text mark-up language.
- HTML is not a programming language; it is a mark-up language
- A markup language is a set of mark-up tags.

➤ **Designing and planning web page**

- Designing and planning web page
- Surveying the possibilities
- Website evaluation tool

- Colour theory in web designing, selecting a colour scheme
- Web standards and accessible design
- How people with disabilities access the web.
- Planning and organizing a website.

➤ **Web page.**

Structure → The form of your web site and its navigation

Layout → the theme or method of presenting your web site

Content → the substance of your web site

➤ **Designing and planning webpage part**

- RGB (Red , green, blue)
- CMYK (cyan, magenta, yellow, key /black)

➤ **Graphics on hyperlinks**

- Graphics on the web are what a web page interesting.
- Hyperlinks are what make it a web

➤ **TYPES OF GRAPHICS FILE**

- JPG pholog rapes
- GIFS graphics-non photographic image

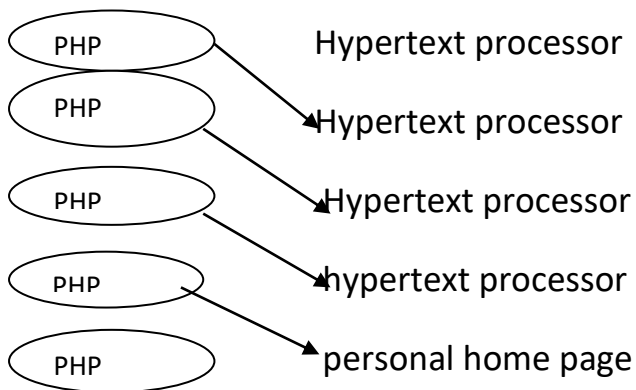
➤ What is CSS

- A simple mechanism for contouring the style of a web document without compromising its structure.
- It all our you to separate visual classing elements (layout, fonts, candours of a web page).

➤ Three ways to includes ccess

- Local (inline)
- Global (emboweled or internal)
- Linked (external)

➤ What does PHP stand for

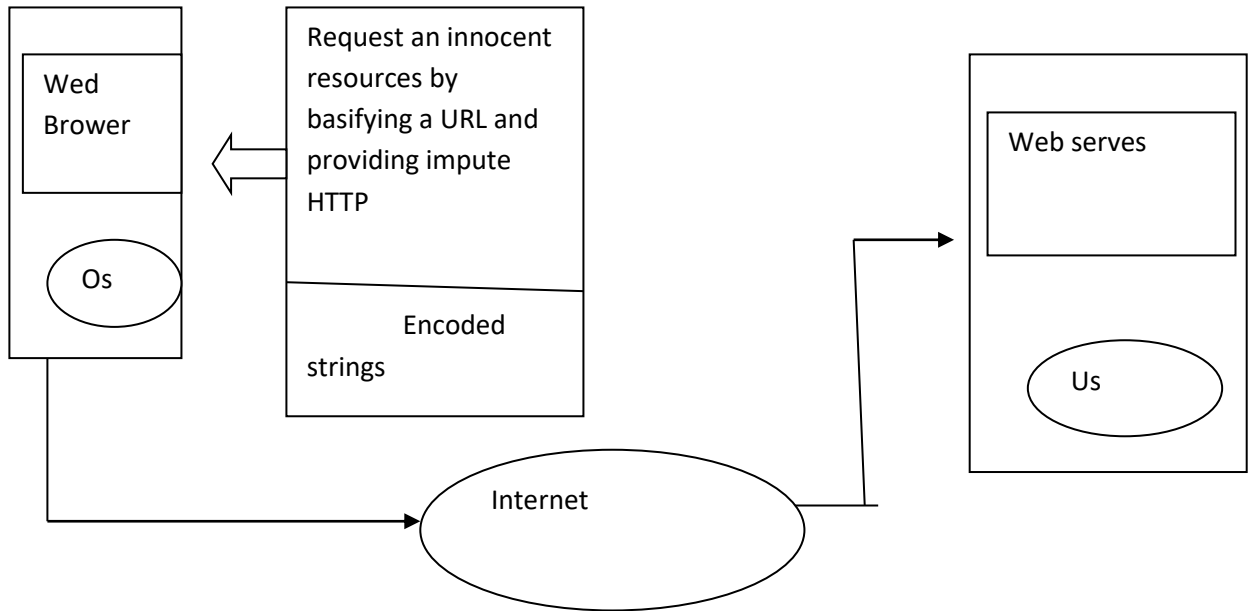


➤ Evolution of PHP

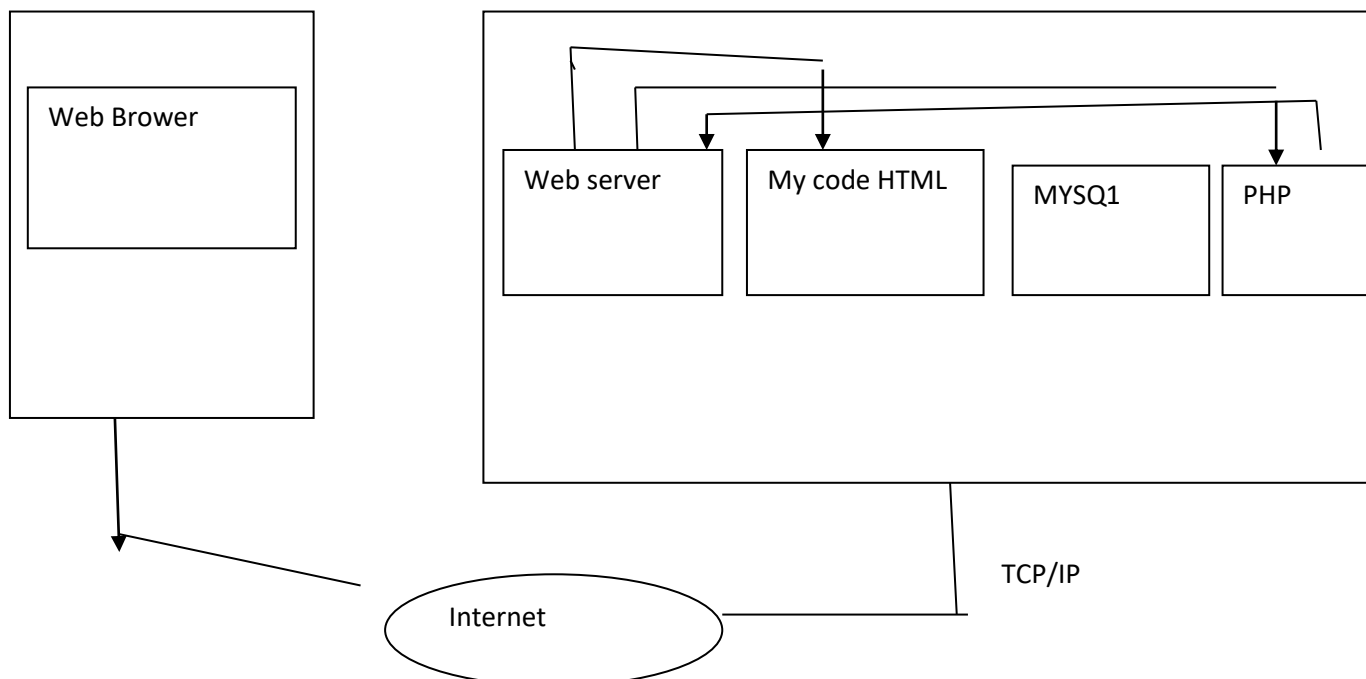
- 1994, resumes larder ; started off as a series of peer scripts
- June 8, 1995 personal home page/ forms interpreter, relisted to the public.
- Jane, 1998, PHP3
- PHP4 introduced features of object – oriented programming.

Client; marks a request client (Browser)

Server



➤ **Server; responds web server supports HTTP**



Program to display count from 5 to 15 using PHP loop as given below.

➤ **Information and processing on the web**

- Information is passed from the server to the browser. This information may be in the form of HTML document, GIF file, Excel spreadsheet, movie – just about any digital content.
- Information can also be passed from the browser to the server. When you click on a hyperlink you are sending information to the server, and when you fill in an online form, you are usually sending information to the server.
- In addition to passing information backwards and forwards, some processing can also be done in the browser. For instance, you might have a simple web page that calculates the overall cost of a loan once the initial value of the loan, the interest rate and the length of the loan have been entered.
- To summarize, where the processing is undertaken largely depends on where the information is, but it also depends on the processing loads of the machines as well as the size of the program being run.

➤ Web servers

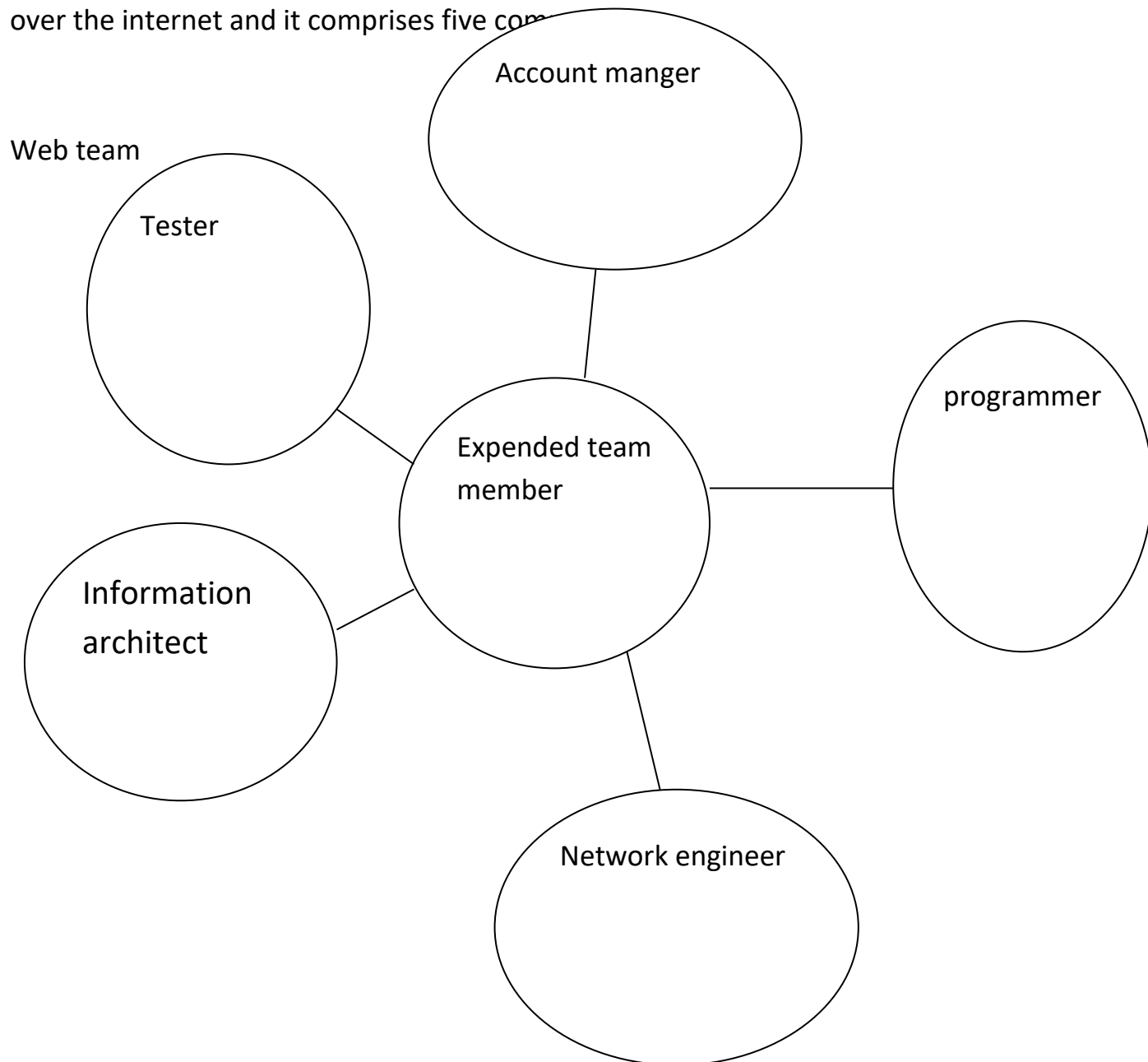
- There are lots of different types of server FTP servers, gopher servers and ,of course web server .In this section we bwill concentrate on web server. What do web server need to do their functionality can be summarised as follow :
- They need to provide HTML page (with an appropriate MIME types header).
- They need provide other types of document.

➤ Net work protocols

A network protocol is a standard way of regulating data transmission between computers. Just as diplomats adhere to protocols - rules of behaviour - when in foreign lands, network communication does the same. They have to obey agreed rules if they are to communicate and get on with each other after many years of both public and private research and development , two network protocols are now doming TCP and IP ,together know as TCP/ IP . these were actually unlikely protocols to be so widely accepted as faster , standardized protocols hah been agreed upon , but none had the same robustness and extensibility as TCP /TP) .

➤ WEB APPLICATION

A Web application, unlike standalone application, runs over the internet. Examples of web applications are Google, Amazon, eBay, Facebook, and the UCT website. A web application is typically a 3-tier client-server database application run over the internet and it comprises five components.



➤ **The internet and the world wide web**

1. The internet

- Gigantic computer network that connects computer across the world .

2. World wide web

- It is a way of accessing the huge collection of information, services , and web sites sites available through the internet.

➤ **What is the internet**

- A network of network , joining many movement , university and private computer together and providing an infrastructure for the use of e-mail, bulletin boards , file archives, hypertext documents , databases and other computational resources
- The vast collection of computer network which from and act as a single huge for transport of data and messages across distance which can be anywhere from the same office to anywhere in the world.

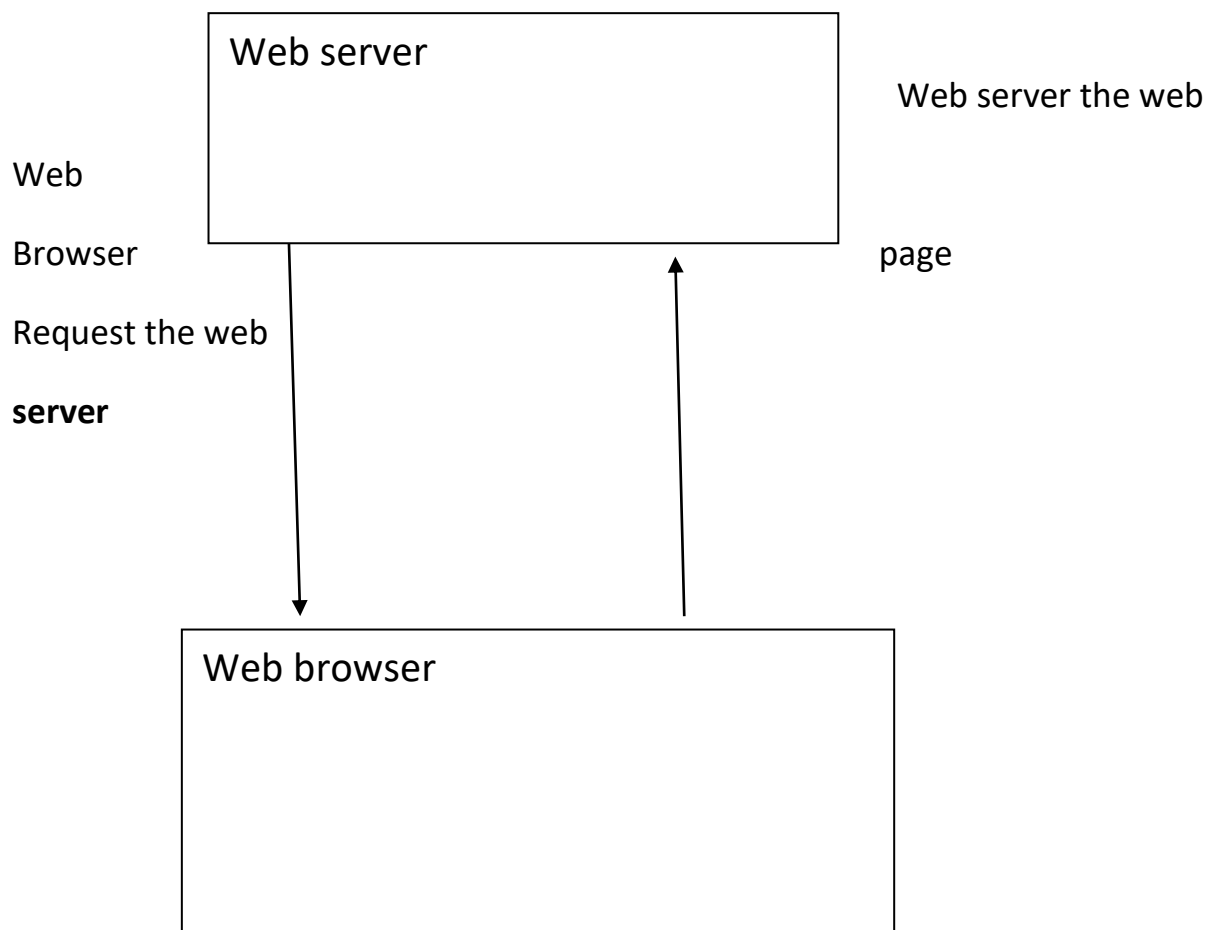
➤ The concept the world wide web

- The hypertext concept

Hypertext is text which contains links to other texts. The term was coined by ted nelson around 1965.

- The hypermedia concept

Hypermedia is a term used for hypertext which is not constrained to be : it can include graphics, video and sound .



wide wide web