

WEB DESIGN

TASK (1)

(1). Careers in web Technology and job roles?

- WD- 1.web design
 - 2.web developer
- Frontend developer
- Backend developer
- Studying web design and development provides you with the technical and design related skill needed for a career in the web and software development

(2).How the website works?

➤ A website is simply a collection of web pages of codes, Codes that describes the layout, Formate and content on a page.

➤ The web server is a internet connected and the receives the request for a web page sent by your browser .

(3). Client and server scripting languages?

Client: Client are the typical web user that internet connected devices (FOR EXAMPLES: your computer connected to your wi-fi ,or your

phone connected to your mobile network) and web-accessing software available on those device (usually a web browser like firefox or chrome)

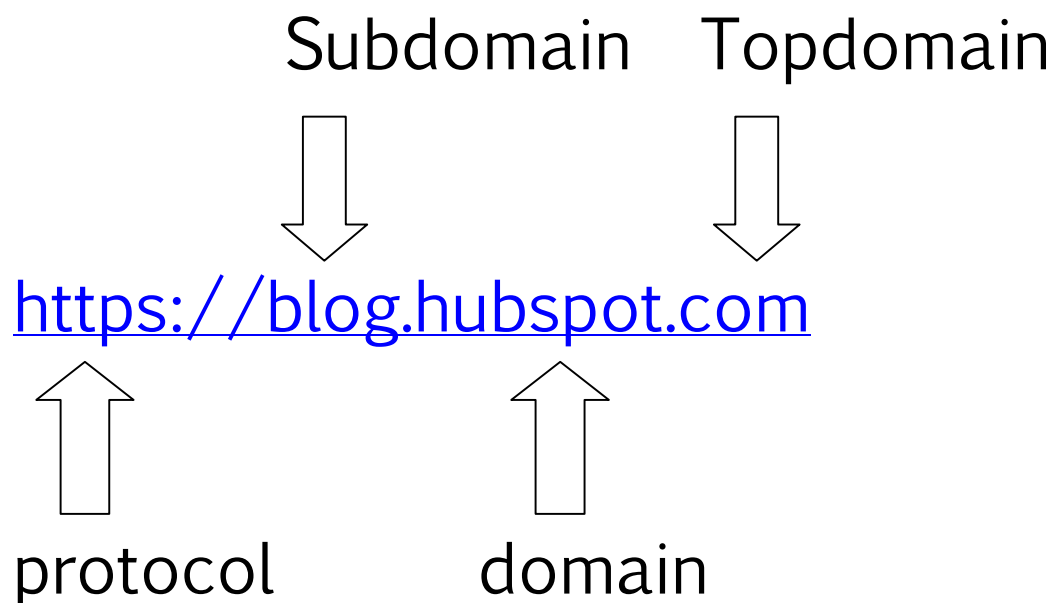
Servers: Servers are computers that store webpage, sites, or app. When a client device wants to access a webpage a copy of the webpage is downloaded from the server onto the client machine to be displayed in the user's web browsers.

(4).Domain and hosting?

(1)Domain name: A domain name is the address of your website that

people type in the browser's URL bar to visit your website

EXAMPLES: Your website was a house then your domain name would be its address.



(2)Hosting:

> Web hosting is the palace where all the files of your website live. It is

like the home of your website where it actually lives.

➤The domain name was the address of you house, then web hosting is the actual house that address points to.

➤All website on the internet need web hosting.

(5).Responsive web designing?

➤Responsive web design is about using HTML and CSS to automatically resize, enlarge and hide a website to make it look good on all device (desktop, tablets, and phones).

(6).Types of websites (static and dynamic websites).

<1> Static website:

- In static website, web pages are returned by the server which are prebuilt source code files built using simple languages such as HTML, CSS or Javascript.
- There is no processing of control on the server in static websites.

<2>Dynamic website:

- In dynamic website, web pages are returned by the server which are processed during runtime means they are not prebuilt web

pages but they are built during runtime according to the user's demand with the help of server-side scripting languages such as **PHP, NODE.JS, ASP.Net** and many more

(7).Web Standards and W3C Recommendations?

>Web Standeds:

They are web languages, protocol and inter-operative and international technologies created with the purpose of guiding the web towards its maximum potential through the

development of standardized protocols and guidelines.

>W3C Recommendation:

The world wide web consortium is an international community.

Where member organizations, full-time staff and the general public are work together on develop web standards.

(8).What is protocol?

> A protocol is a set of rules for formatting and processing data.

> It enable computers to communicate with one another.

(9)Basic of SEO(search engine optimization).

➤ SEO is the practice of orienting your website to rank higher on a search engine results page.

SEO involves five main steps:

1. Keyword research – find what people search for.
2. Content creation – craft content for searcher.
3. On-page SEO – make your content as clear as possible.
4. Link building – Build trust and aauthority from other websites.

5. Technical SEO – Help search engine find crawl and index your content efficiently.

(10).Basic of HTML(Hyper text markup language)?

- HTML stands for hyper text markup language.
- HTML is standard markup language for creating web pages.
- HTML describes the structure of a web page.
- HTML elements label pieces of content such as “This is a heading”, “This is a paragraph”, “This is a link”, etc.