

Web Fundamentals Project

GoMyCode



How does the web work?

What do you need to be a web developer?

Why did I choose to learn web development?



How does the web work

01

What is Web

Web (world wide web) is an interconnected system of public web pages that run on an HTTP protocol and are accessible by the internet.

02

Client & Server

The Web runs on a client/server style , a client can be a web consumer or a web developer , a server is a data-center that contains the documents (web pages / data) that a client can request or a developer can deploy and edit the documents/data .

03

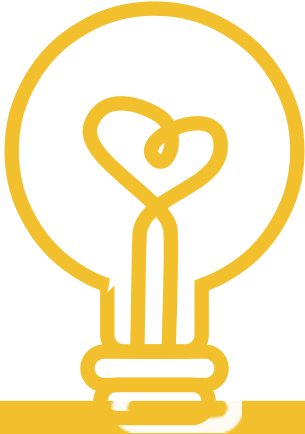
HTTP

HTTP is a TCP/IP application layer protocol , it stands for hypertext transfer protocol , it sets how a web page is transmitted between client-server , some of commands that are used are : GET, POST... . It defines how the content is requested and transmitted across the internet.

04

How to access a webpage

The client request a URL on a web browser , the URL is translated into an IP using DNS and a GET request is sent to the server thru the HTTP protocol , the server reads the request and sends a reply with documents requested (Html Css Javascript).





What do you need to be a web dev ?

A web developer must be skilled at :

Front-end

Which is the main front side of the page that the client see's when opening it , it contains the content that is HTML (paragraphs, forms, buttons ...), A Cascading Style Sheets that is CSS which is responsible for styling the page (colors , animations ...), webpage behavior scripts JAVASCRIPT that is responsible for changing HTML content behavior based on client actions .

Back-end

Which is the server side coding , back-end makes the page alive , by adding security rules for web pages , editing databases based on user actions , deploy caching and tracing technologies for improvement , and host web pages to make them live and usable

Databases

Its the container that contains a specified set of information , clients accounts can be stored in databases also documents , files , images ... etc .
The data stored can be next used or edited by a DBMS (database management system) .
Databases help in organizing and storing data and provides easy access to data while keeping it secure .



Why did I choose to learn web dev ?



Since the world is getting more numerical everyday and technology is advancing everyone is using internet and browsing websites.



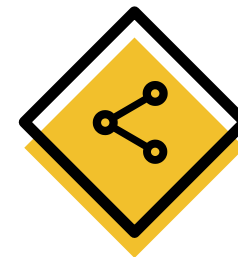
Web development is massively used in all fields and its world wide. companies have websites, local stores, schools, even professional resume sites, and its world wide which means that web dev's can work remotely .



Learning Web development will help me in my professional career as a Cybersecurity and telecommunications and network engineering student



What makes a great developer is learning new programming languages and methods , always keep learning, I want to learn web development to expand my knowledge



web development touches all fields and can be useful and used in all jobs for promoting , and learning it is a must .



THANK YOU

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