DNS Explanation and domain names

To understand how the website is working you should understand what DNS is and what the purpose from it when making a website. The Domain Name System (DNS) is the phonebook of the Internet. Humans access information online through domain names, like nytimes.com or espn.com. Web browsers interact through Internet Protocol (IP) addresses.

DNS translates domain names to IP addresses so browsers can load Internet resources. Each device connected to the Internet has a unique IP address which other machines use to find the device. DNS servers eliminate the need for humans to memorize IP addresses such as 192.168.1.1 (in IPv4), or more complex newer alphanumeric IP addresses such as 2400:cb00:2048:1::c629:d7a2 (in IPv6).

Types of DNS

There are four types of DNS

1. Recursive resolvers
2. Root name servers
3. TLD name servers
4. Authoritative name servers

Front-End and Back-End

Having a functional website requires both front and back ends, the front-end part you can write with HTML to give your website the look it should have and how to display it for the costumer,

And when you want your website to do a specific command like sending an email or giving warnings, you will need the back-end part for that, the back-end is written in JavaScript mainly and PHP so you can make your website useful like having a (sign in) function or sending emails for support

Search Engines

Your website will be available on the internet when you link it to a server but you will need to write the URL to get to it and that could work if you want to see your website or share it with other people by the URL, but if your website is for a company and you want people to know your brand you need to share your website on search engines like Google or Bing, and by doing that you will get more steps to do it.

But for your website to be more famous by show on the top pages in browsers you need to optimize your website with simple tags to make them relevant when people search for them.

Technologies that I used

The website is wrote in HTML language and is supported by CSS and Java Script to make it functional. I try my best to use PHP but it did not work.

Bootstrap was also used to make the website responsive and compatible with any screen even the phone ones.

Server Hosting and Domain Name

I used infinityfree.net to host my two websites on their servers and I used FileZilla to transfer my website to their servers and make it accessible from the domain name I bought from (GoDaddy.com) also I got from infinityfree.net a free subdomain and linked with the server and the domain names.

Website designing Development

FINAL ASSIGNMENT

LAITH ABO AL-SAMEN

Making a website

1. Site Analysis : Making a website without know what the purpose of it is not right, so the first step to make a website is to analyze what your website should have and what should it do.

2. **Site Map:** Site mapping is putting you pages all together before starting to work on your website, knowing every page and what pages does it link to and how many pages you have so you could have a plan to work on when you start building your website.

3. **Wire Frames and Mock-ups**