Task 1

1.1

Communication protocols: Communication protocols are use to link subnets into inter locatoins for transmission of data and signal, authentication, data error detection and for respresentation of data.

Server Hardware: Hardwares of computer are the things which are tangible. Softwares are run on the top of hardwares. And can perform tasks.

Operating System: Softwares are set of instructions that can run on the Hardware. Operating system is the main software that we use to give commands to the computer and other application softwares are run on the Hardware. It can communicate with the kernel using the device drivers inorder to execute commnads to hardware.

Web Server software: Web server software supports the web hosting, basiclly it gives all the facilities to host web site on a server. And it looks for incoming requests and response appropiately, display web content through the storing processing and delivering web pages to users.

1.2

Types of DNS

DNS Recursor

The DNS recursor is plays the role of communicating with other servers to replace it as a response to the client (the user's browser). It is

like a diligent employee who receives and returns information to the client (browser) to find the right information they need. To obtain information, the DNS recursor may

need to call the Root DNS Server to help

Root Name Server

DNS recursive resolver will forward the request to the Root Name server. The server will then respond that it should look in

specific top-level domain name servers (TLD name servers). Basically it is a library to guide your search.

TLD Name Server

It is use to managing the data regarding to common domain name extensions like .com .gov.

Authoritative Name Server

Authoritative nameserver holds domain information associated with the address. It will give recursive resolvers the necessary IP address found in its catalog of records.

SEO

At least a little development of search engine rankings can make result in a website receiving more traffic and potentially business. SO every business and website owner try to manipulate the search results so that their site shows up higher on the SERP.

Task 2

2.1

When we access a website, UI and UX is very imporatnt factor. Including page load spedd, layout, design, stability. Front end is the interface which users are used to interact with the website. While back end performs the functionalities to ensure that the informatin and services required by frontend are implemented.

2.2

Basically lets consider website builder(Wix) and CMS(Wordpress).

Flexibitlity, design and performance

Wix - It is a great building platform One of the biggest advantages that allowad to build using simple drag and drop.

Also provide smart ways to intergrate tools and features.As a result designing and editing interfaces are convenient and fast.

When click Manage pages it automatically adds navigation menu to new pages. It has many ready made website and we only need to choose aone and customize.

Wordpress - It is a versatile builder allow to create different kind of websites easily by offering lot of plugins and themes. But the main differnce regarding to wix, unable to use WYSIWYG editing to change and eidt theme, if it requird we must now the code.

Functionality

Wix - Has many useful functions for users. (Comments, Forums, Live chat, Adjust lot of styles, Themes and tools)

Wordpress - Has lots of cool and unique functions with thousands of plugins and themes. They can use to change the design and functionality of websites.

UI/ UX

UI / UX design is always mentioned in parallel, together with the fact that it is two technologies with certaindifferences. Understanding individually,specifically about each technology will help understand the functions, tasks and requirements correctly. It is a way to help us make the most accurate decision according to our actual needs. The official launch so that users can easily access, then use the functions in the most convenient and effective way. UX technology when implemented ensures effective access to a website for each person to be effective, convenient as desired.