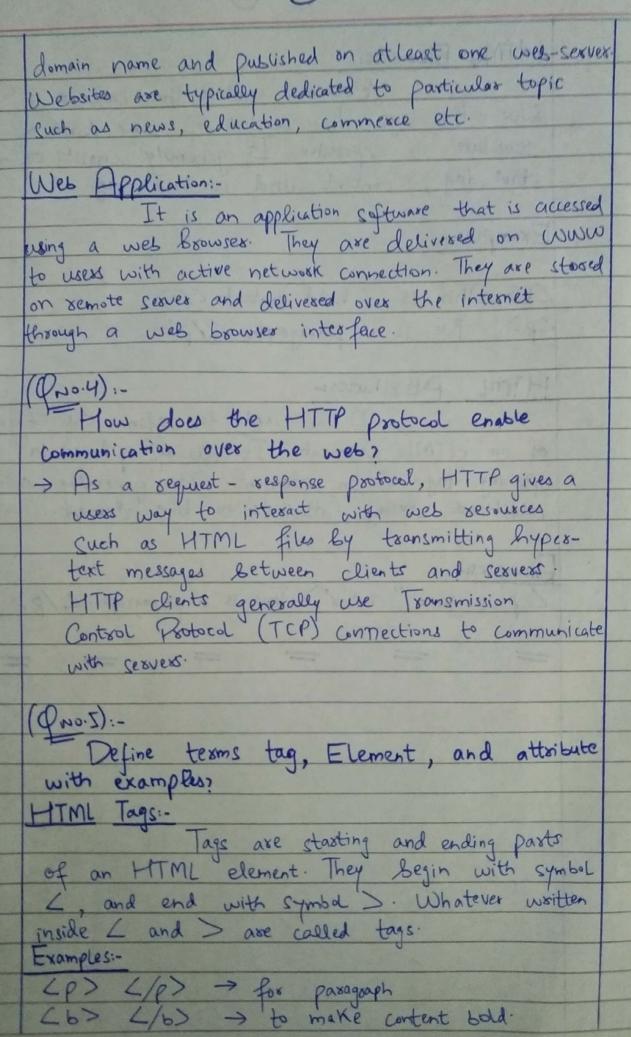Name: Hanzala Javaid
Reg No: 4288 - FBAS/BSCS 4/F20
Subject: Web Engineering (WE)
Date: 16th - Feb, 2023
Submitted to: Sir Majid Bashir

Assignment No. 1

(Q No.1):-

Differentiate b/w Internet and World wide Web?

Internet	WWW
① The internet is the network of connected Computers that the web works on.	① The world wide web are the pages you see when you are at device and you are online.
② Internet is a global networks of networks.	② WWW stands for World wide web.
③ Internet is primarily hardware based.	③ WWW is software - oriented as compared to Internet.
④ Internet uses IP address.	④ www used HTTP.
⑤ It is originated in late 1960's.	⑤ English Scientist Tim Berners-Lee invented www in 1989.
⑥ The first version of Internet was known as ARPANET.	⑥ In Beginning, www was known as NSFNET.

(Q.No.2) :-

Briefly narrate history of HTML?

=> The first version of HTML was written by Tim Berners-Lee in 1993. Since then, there have been many versions in HTML. The most widely used version throughout the 2000's was HTML 4.01, which became official standard in December 1999.

=> HTML 2.0 was published in 1995.

HTML 1.0 → 1993

HTML 2.0 → 1995

HTML 3.0 → It has many powerful features but it slowed down the browser in applying further improvements.

HTML 4.01 → 1999/2000

HTML 5 → Extended version of HTML 4.02, published in 2012.

(Q.No.3) :-

Differentiate among web page, website and web application?

Web Page :-

It is a hypertext document of World Wide Web. It is a simple document displayable by a Browser. Such documents are written in HTML language. Each web page is linked with a unique URL; hence two pages can't have same URL.

Website :-

A website is a collection of web pages and related content that is identified by common

domain name and published on atleast one web-server. Websites are typically dedicated to particular topic such as news, education, commerce etc.

Web Application:-

It is an application software that is accessed using a web browser. They are delivered on WWW to users with active network connection. They are stored on remote server and delivered over the internet through a web browser interface.

(Q No.4):-

How does the HTTP protocol enable communication over the web?

→ As a request-response protocol, HTTP gives a users way to interact with web resources such as HTML files by transmitting hyper-text messages between clients and servers. HTTP clients generally use Transmission Control Protocol (TCP) connections to communicate with servers.

(Q No.5):-

Define terms tag, Element, and attribute with examples?

HTML Tags:-

Tags are starting and ending parts of an HTML element. They begin with symbol < , and end with symbol > . Whatever written inside < and > are called tags.

Examples:-

\<p> \</p> → for paragraph

\ \ → to make content bold.

HTML Elements:-

Elements enclose the contents in b/w the tags. They consists of some kind of structure or expression. It generally consists of a start tag, content and an end tag.

Examples:-

 This is a bold content.
<p> This is a paragraph. </p>

HTML Attributes:-

It is used to define the character of an HTML element. It always placed in opening tag. of an element. It generally provide additional styling (attribute) to the element.

Examples:-

<p align = "center"> This is a paragraph. </p>

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