IST 263

What is the difference between the internet and the web?

* The web is part of the internet
* World wide web, FTP, E-mail, Telnet all part of the internet

What decade was the internet conceived? 1962. Licklider of MIT proposed the idea of a network of computer that could talk to eah other

First message sent on the ARPAnet?

* 1969 first message sent
* First message was sent from UCLA to Stanford: “LOGIN” – it crashed the fledging ARPA network anyway

What decade was email invented? 1971 Ray Tomlinson.

* Came up with the @ symbol to tell the difference between person and location in an email address

Modern technology that united all computers on early networks: TCP/IP (we still use it)

* 1971 Vincent Cerf. Unifies lots of mini networks like ARPAnet

Throughout the 1980s, researchers and scientists used it to send files and data (no images)

When was the web invented? 1991 Tim Berners-Lee (working at CERN)

* Helped solve the difficulties scientists were having sharing info
* Created HTML
* Created URLs
* Developed HTTP the protocol
* Director of the world wide web consortium, which oversees the continued development of the web

The first popular web browser was called: Mosaic (first to show pictures) 1993

* In 1993 congress decided that the web could be used for commercial uses
* The first thing ever purchased on the internet was pizza

How does the web work? When u type a URL your IP address is also sent out so you receive the correct website.

DNS: domain name server

URL: uniform resource locator

Protocol: https: the s means your site is secure, your credit card info will be encrypted

top-level domain: .com,.net, etc.

sub-domain:

port:

**Unit 02: Lecture Video – HTML Tags**

Tags and elements are synonyms.

Tags:

<strong></strong> … bold

<h1></h1> …heading

<p></p> … paragraph

<br>…line break

Block vs. Inline elements:

Block tags create a space in between tags (heading, subheading, paragraph, div tag..etc.)

Inline tags don’t create a space (bold)

Void elements – tags that have no closing tag

<br>… line tag has no closing tag

<hr> … horizontal line

Image tag is also a void tag

Character Escapes:

Freeformatter.com 🡨 where you can find code for symbols such as the copyright symbol

Lists:

<ul>

<li> first item </li>

<li> second item </li> 🡨 bulleted list

<li> third item </li>

</ul>

<ol>

<li> first item </li>

<li> second item </li> 🡨 numbered list

<li> third item </li>

</ol>

Browser Caching – not seeing the most current version of a logo or picture.

**Unit 03: Lecture Video – links, images, and video**

Copyright and intellectual property

HTML Attributes and links:

* All HTML elements can have attributes
* Attributes provide additional information about elements
* Attributes are always specified in the start tag
* Attributes usually come in name/value pairs like: name=“value”

Link Paths:

* External link – full url including http
* Relative link – refer to page based on the current page’s relative location
* Site root link - / specifies root site directory – specify path from root

Note: paths to files and paths to images work the same way

Images:

* Web image formats: PNG, JPEG, GIF
* Element – img is a void element
* src attribute specifies image location
* alt attribute describes image as text

\*A void tag doesn’t have a closing tag\*

Embedding:

Embedding with the <iframe> tag:

* an inline frame is used to embed another document within the current HTML document
* title attribute describes the content of the iframe and should always be used

Embedding a youtube video:

* find your video
* click share and choose embed
* copy and paste the HTML code that pops up between <body> tags