Review Questions

Week 1

1. Who are the major people involved in invention of internet, web, email?

Ray Tomlinson， Vinton Cerf and Robert Kahn

1. What is an HTTP request?

An HTTP request is an action to be performed on a resource identified by a given Request-URL. Request methods are case-sensitive, and should always be noted in upper case. There are various HTTP request methods, but each one is assigned a specific purpose.

1. How does a web page get routed to a user?

user send request through the url, when the http receive the request and send it to the server, the server will response to the user

1. Explain what a DNS server does?

DNS servers use name servers, which essentially act as a directory of IP addresses and domain names. These name servers also dictate how each domain name maps to an IP address. ... So when a human enters a web address, a DNS will match it with the IP address which computers can interpret.

1. What is an IP address and what is it used for?

An internet protocol (IP) address allows computers to send and receive information. There are four types of IP addresses: public, private, static, and dynamic. An IP address allows information to be sent and received by the correct parties, which means they can also be used to track down a user's physical location

1. What is a protocol? Why are the different protocols and what is the difference?

Networks are set up with a protocol hierarchy that divides the communication task into several layers. A protocol is a set of rules for communication within a layer. A service is what the layer provides to the layer above it through an interface. Protocols at one layer are unaware of issues at another layer.

1. What's the difference between a top level domain and a sub-domain?

A top-level domain was intended to help classify a feature of a website, such as its purpose, the owner, or the geographical origin

Subdomains are the third level of a domain's hierarchy and are parts of a larger top-level domain. They are added in front of the root domain and separated from the domain name with a period

1. Explain the difference between the internet and the web.

Web is part of internet

1. What web languages are we learning in this class?

Html

1. What is the significance of W3C and what purpose does it serve?

The World Wide Web Consortium (W3C) is an international community where Member organizations, a full-time staff, and the public work together to develop Web standards

1. What is the syntax to show that a tag is a closing tag?

</tag>

Week 2

1. What must be declared in the first line of all HTML documents?

Any HTML document must start with a Document Type Declaration (abbreviated doctype) in the first line, which tells the browser the version of HTML used in the page.20 Apr 2018

1. What is metadata? Give an example of a tag that uses metadata.

It provides information about a certain item's content. For example, an image may include metadata that describes how large the picture is, the color depth, the image resolution, when the image was created, and other data. ... Description and keywords meta tags are commonly used to describe the Web page's content.

1. What is the difference between a HEAD and BODY tag?

The Head tag is typically used to import other files and define attributes of your page that are not displayed, like meta data. ... The body Tag is where you you place the Parts of your website that you want displaed, like p tags, divs, etc.

1. What is the difference between a tag and an element?

HTML tag is just opening or closing entity. For example:

<p> and </p> are called HTML tags

HTML element encompasses opening tag, closing tag, content (optional for content-less tags) Eg:

<p>This is the content</p> : This complete thing is called a HTML element

1. What is the purpose of DOCTYPE?

The DOCTYPE declaration is an instruction to the web browser about what version of HTML the page is written in. This ensures that the web page is parsed the same way by different web browsers. In HTML 4.01, the DOCTYPE declaration refers to a document type definition (DTD

1. List one of the recommended use case of the H1 tag?

when we a design our own web, we can use h1 tag on our name, try to make people know that is a important information

18.Give an example of a nested tag.

1. <head> <meta charset="utf-8"> <title>Contact</title> </head>
2. What is the difference between block and inline?

A block level element has a top and a bottom margin, whereas an inline element does not.

1. What is a void tag? What are some examples of void tags?

A void element is an element whose content model never allows it to have contents under any circumstances. Void elements can have attributes.A void tag like line break has no closing tag  
  
<br>

1. What is a character escape?

A character escape is a way of representing a character in source code using only ASCII characters. In HTML you can escape the euro sign € in the following ways.&#x20AC; hexadecimal numeric character reference

&#8364; decimal numeric character reference

&euro;

1. What are the different types of lists and how can you tell the difference by looking at the code?

unordered list — used to group a set of related items in no particular order. Code:<ul><li>

ordered list — used to group a set of related items in a specific order.<ol><li>

description list — used to display name/value pairs such as terms and definitions.<dl><dd><dt>

Week 3

1. What is fair use?

Fair use is a doctrine in the law of the United States that permits limited use of copyrighted material without having to first acquire permission from the copyright holder.

1. What are some examples of text that cannot be copywritten?

Names, Titles, Short Phrases

1. What is transformation? What is an example of changing intellectual property that doesn't satisfy the transformation definition?

Transformative uses are those that add something new, with a further purpose or different character, and do not substitute for the original use of the work

There is a brand called Joran in china, it is a kind of transformation, but even it change the log, and lack of air, the air Jordan brand still want to sue them because of plagiarism

1. What is an HTML attribute and what is an example of an attribute?

Attributes define additional characteristics or properties of the element such as width and height of an image. Attributes are always specified in the start tag (or opening tag) and usually consists of name/value pairs like name="value" . Attribute values should always be enclosed in quotation marks

1. What is the difference between a relative link and an external link?

A relative link is any link that shows the current URL's relation to the linked page's URL.

An external link is any link that goes to a different domain. For example, example.com and someplace.com are considered external links to computerhope.com.

1. Why is the 'alt' attribute important in an image tag?

Adding alternative text to photos is first and foremost a principle of web accessibility. Visually impaired users using screen readers will be read an alt attribute to better understand an on-page image. 2. Alt text will be displayed in place of an image if an image file cannot be loaded.

1. What is the attribute href used for?

he HTML <a> element (or anchor element), with its href attribute, creates a hyperlink to web pages, files, email addresses, locations in the same page, or anything else a URL can address. Content within each <a> should indicate the link's destination.

1. What does the notations ../ do? Give an example of how it should be used.

Link to your computer’s folder, for example ../uses/filename

1. What does the src attribute do? What element is it associated with?

The src attribute is required, and contains the path to the image you want to embed. The alt attribute holds a text description of the image <img>

1. What does the iframe tag do?

An iFrame is a frame within a frame. It is a component of an HTML element that allows you to embed documents, videos, and interactive media within a page. By doing this, you can display a secondary webpage on your main page. The iFrame element allows you to include a piece of content from other sources

Week 4

1. What are tables used for?

use to Make a border for some numbers, and define the border , how it would be like

1. What is the difference between the td and th tags?

The TH and TD elements are used for table cells. TH is used for table header cells while TD is used for table data cells. This distinction gives user agents a means to render such cells distinctly, for instance by using a larger or heavier font for header cells. It is also needed when rendering to speech.

1. What does the method attribute do? What does the action attribute do?

The method attribute specifies how to send form-data (the form-data is sent to the page specified in the action attribute). The form-data can be sent as URL variables (with method="get" ) or as HTTP post transaction (with method="post" ).

1. What is the difference between get and post?

GET is used to request data from a specified resource.

GET is one of the most common HTTP methods.

GET requests can be cached

GET requests remain in the browser history

GET requests can be bookmarked

GET requests should never be used when dealing with sensitive data

GET requests have length restrictions

GET requests are only used to request data (not modify)

POST is used to send data to a server to create/update a resource.

POST requests are never cached

POST requests do not remain in the browser history

POST requests cannot be bookmarked

POST requests have no restrictions on data length

1. Why do we need the label element? .The HTML <label> for Attribute is used to specify the type of form element a label is bound to.
2. What form element would you use to allow someone to type paragraphs of text?

label for="comments">Comments?</label>

<textarea >

1. What form element would you use if you wanted to force someone to type one of three options? Is there another form element that works just as well?

Checkbox

Input with type radio