# Review Questions

## Week 1

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

Licklider – proposed the idea that networks can communicate with each other, and the first message was sent from UCLA to Stanford in 1969.

Ray Thompson invented email in 1971, and in the same year, Vincent Cerf unified mini networks similar to arpanet

Tim Burners-Lee introduced WWW in 1991

1. What is an HTTP request?

A request sent from the client to the server for a specific action

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

The server generates the HTTP response, and it gets sent back to the client

1. Explain what a DNS server does?

It translates domain names into IP addresses

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

A unique set of numbers assigned to a device, and it allows devices to interact with each other

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

A protocol is a set of rules for communication between devices. HTTP transfers data in plain text, and HTTPS is encrypted

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

A top level domain is a commonly used one like .com or .org. Sub-domain is the beginning of the URL

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

The internet is all the communication between networks. The internet is a service within the web that allows us to search for specific information

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

HTML, JavaScript, CSS

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

It develops standards for the web so that it remains accessible as it evolves

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

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## Week 2

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

The document type

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

It is information about the document. The title tag uses metadata.

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

Head is the title of the page. Body is the content of the page

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

Tags are labels you use to mark the start and end of an element. An element is a set of opening and closing tags in use

1. What is the purpose of DOCTYPE?

Specifies the version of HTML that is used in the document and and which browser the browser should follow when rendering the document.

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

A page title

1. Give an example of a nested tag.

Strong

1. What is the difference between block and inline?

Inline adds text on the same line and takes up as much of the page width as needed. Block puts text in its own chunk and takes up the entire width of the page. Block always starts a new line and has a top and bottom margin. Inline doesn’t start a new line and doesn’t have a top and bottom margin.

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

A void tag doesn’t need a closing tag. An example is <br>

1. What is a character escape?

Used to create special characters. It starts with & and ends with ;

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

Ordered list puts the items in a specific order, and unordered is not in a specific order. Ordered is ol and unordered is ul.

A description list defines terms and is market with dl, dt, dd

## Week 3

1. What is fair use?

When copyrighted material only allows limited use

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

Ideas and facts

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

It is when someone adds expression or new meaning to copyrighted work. Creating change on a work but not changing its purpose doesn’t satisfy the definition.

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

It provides information about an element and is placed inside the opening tag.

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

An external link needs the sub level domain (https://www.)

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

It helps with accessibility and SEO

1. What is the attribute href used for?

To place a link within your web page.

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

To go back a folder. If files is within the class folder, and you want to go from files to class, you go ../

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

The src (source) attribute specifies the file path or URL for a resource that an HTML element needs to load. It instructs the web browser on where to find the content—like an image, video, or script—to embed within the document. It is associated with the <img> element

1. What does the iframe tag do?

It embeds another HTML document within the current web page

## Week 4

1. What are tables used for?

To organize information in a way that makes it easy to follow

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

Td is data in a cell and th is the metadata

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

The action attribute specifies the URL where the data will go to when the form is submitted. The method attribute specifies the HTML method that will be used to send the form data to the URL

1. What is the difference between get and post?

Get puts the information in the form in the URL, and post sends it more securley

1. Why do we need the label element? What does the for attribute do inside the label element?

The label element provides a textual description for an associated form control, such as an input, textarea, or select element. The for element establishes the connection between the label element and its associated form control.

1. What form element would you use to allow someone to type paragraphs of text?

<text area>

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?

You would use <input type="radio"> or <select name="" id="">