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Career Services Assignment 9 – API Flash Cards

Instructions: Research common interview questions online revolving around HTML, CSS, and AJAX and create 20 flash cards from the information you find. Study your flash cards regularly to better prepare for interviews. Fill out the table below with the information you put on each of your flash cards.

Front of Card	Back of Card
Are the HTML tags and elements the same thing?	No. HTML elements are defined by a starting tag, may contain some content and a closing tag.For example, \<h1\>Heading 1\</h1\> is a HTML element but just \<h1\> is a starting tag and \</h1\> is a closing tag.

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What are tags and attributes in HTML?	Tags are the primary component of the HTML that defines how the content will be structured/ formatted, whereas Attributes are used along with the HTML tags to define the characteristics of the element. For example, Interview questions , in this the 'align' is the attribute using which we will align the paragraph to show in the center of the view.
What are void elements in HTML?	HTML elements which do not have closing tags or do not need to be closed are Void elements. For Example , <img />, <hr />, etc.

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| Describe HTML layout structure. | Every web page has different components to display the intended content and a specific UI. But still, there are few things which are templated and are globally accepted way to structure the web page, such as: **<header>**: Stores the starting information about the web page.

• **<footer>**: Represents the last section of the page.
• **<nav>**: The navigation menu of the HTML page.
• **<article>**: It is a set of information.
• **<section>**: It is used inside the article block to define the basic structure of a page. |

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What is the difference between \<strong\>, \<b\> tags and \<em\>, \<i\> tags?	The effect on a normal webpage of the tags \<strong\>, \<b\> and \<em\>, \<i\> is the same. \<b\> and \<i\> tags stands for bold and italic. These two tags only apply font styling and bold tag \<b\>, just adds more ink to the text, these tags don't say anything about the text.
Can we display a web page inside a web page or Is nesting of webpages possible?	Yes, we can display a web page inside another HTML web page. HTML provides a tag \<iframe\> using which we can achieve this functionality.
What is the 'float property' used for in CSS?	The 'float property' places an element on the left or the right side of its container, allowing text and other inline elements to wrap around it.

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What is the difference between an 'ID' and a 'Class'?	ID: IDs are unique. Each ID can be assigned to only one single element. IDs are used for a specific styling of an element. **Class:** Classes are not unique. Multiple elements can have the same class. A class is a collective way of styling multiple elements together. Multiple classes can be added to a single element to achieve the desired style.
What are the different ways to integrate CSS in an HTML page?	Inline, external, embedded

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What are the advantages of using CSS?	control the style of several web pages using a single CSS file, You can link multiple HTML elements to multiple CSS files, where classes can be created
What are the different types of media allowed by CSS?	All for all media type devices, Print for printers, Search for screen readers that "read" pages out loud, Screen for computer screens, tablets, mobile phones, etc.
Explain 'Tweening'	Tweening is a process that creates intermediate frames between two images to get the appearance of the first image, which develops into the second image. It is used, primarily, to create animations.
What are gradients in CSS?	gradient is a property that allows for smooth transitioning between two or more specified colors. Linear and gradient
Describe AJAX	Asynchronous JavaScript and XML (AJAX) is a technique that uses XMLHttpRequest objects to update web pages asynchronously by exchanging a small amount of data with the server, update the page without page reload. It is a front-end tool that communicates with the back-end server from the browser.

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What is XMLHttpRequest?	XMLHttpRequest is an API that has methods and properties used by various scripting languages such as JavaScript, VBScript for manipulating and transferring XML data using HTTP protocol connecting client and server.
Explain the working of Ajax.	Ajax with XMLHttpRequest object communicates with a server, renders data on a portion of a webpage without page reload.
Explain UpdatePanel Control of ASP.Net	Update Panel is Ajax control in ASP.Net that refreshes a selected portion of a web page.
Describe ScriptManager in ASP.Net	ScriptManager in ASP.Net is central for Ajax functionality. It manages various Ajax resources on the page such as downloading the Microsoft Ajax Library and coordination of partial page upload with the help of UpdatePanel controls.
How to call Ajax from JavaScript?	There are many ways to call Ajax in JavaScript for submitting data to the server, checking username, creating a chat room, autocomplete form, vote or rate the product.
Describe the use of Cache false in Ajax call.	Ajax requests are always issued by default, but browsers may send responses from their cache. In order to prevent this, the cache is set to false. Cache: false can be applied to prevent caching of all future Ajax requests, irrespective of jQuery method used.

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