Career Services Assignment 9 – API Flash Cards

Points possible: 50

Category	Criteria	% of Grade
Completeness	All requirements of the assignment are complete.	100

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. EX: Heading 1 is a HTML element but just is a starting tag and is a closing tag.
What is the 'class' attribute in HTML?	The class attribute is used to specify the class name for an HTML element. Multiple elements in HTML can have the same class value. Also, it is mainly used to associate the styles written in the stylesheet with the HTML elements.

What is the difference between the 'id' attribute and the 'class' attribute of HTML elements?	Multiple elements in HTML can have the same class value, whereas a value of id attribute of one element cannot be associated with another HTML element.
In how many ways can we specify the CSS styles for the HTML element?	**Inline**: Here we use the 'style' attribute inside the HTML element. **Internal:** Here we use the <style> tag inside the <head> tag. To apply the style we bind the elements using 'id' or 'class' attributes. **External**: Here we use the <link> tag inside <head> tag to reference the CSS file into our HTML code. Again the binding between elements and styles is done using 'id' or 'class' attributes.
How to include javascript code in HTML?	HTML provides a <script> tag using which we can run the javascript code and make our HTML page more dynamic.
Name some CSS frameworks.	CSS frameworks are libraries that make web page styling easier. Some of them are Foundation, Bootstrap, Gumby, Ukit, Semantic UI, etc.

What are the elements of the CSS Box Model?	The CSS box model defines the layout and design of CSS elements. The elements are content (like text and images, padding (the area around content), border (the area around padding), and margin (the area around the border).
What do you understand by the universal sector?	A universal selector is a selector that matches any element type's name instead of selecting elements of a particular type.
How can you target h3 and h2 with the same styling?	Multiple elements can be targeted by separating with a comma: EX: h2, h3 {color: red;}
What is cascading in CSS?	Cascading is defined as the process of style declaration and its weight that will help the browser in selecting the styling rules with respect to time.
How to center align a div inside another div?	A div inside another div A is center aligned with the help of aligning div property to content via HTML script and CSS to the element in the DOM.
What is the grid system?	The CSS grid system is a type of powerful layout of 2 dimensional systems with respect to columns and rows.

How is a CSS selector used?	With a CSS selector, we can choose the content we want to style to bridge between HTML files and style sheets. CSS selector syntax is "select" HTML elements created on their class, id, type, etc.
What is Ajax?	Ajax is abbreviated as Asynchronous Javascript and XML. It is new technique used to create better, faster and more interactive web systems or applications. Ajax uses asynchronous data transfer between the Browser and the web server. This technique is used to make internet faster and user friendly. It is not a programming language.
What are Ajax applications?	Browser based applications and platform independent applications are used by Ajax.
What are the advantages of Ajax?	Bandwidth utilization – It saves memory when the data is fetched from the same page. More interactive Speeder retrieval of data

What are the disadvantages of Ajax?	AJAX is dependent on Javascript. If there is some Javascript problem with the browser or in the OS, Ajax will not support Ajax can be problematic in Search engines as it uses Javascript for most of its parts. Source code written in AJAX is easily human readable. There will be some security issues in Ajax Debugging is difficult
What is update panel?	Update panel is a server control used to update the specified portion of a web page. Script Manager needs to be used whenever update panel is used. Using update panel, user cannot handle outside controls.
What is JSON in Ajax?	JSON is abbreviated as JavaScript Object Notation. JSON is a safe and reliable data interchange format in JavaScript, which is easy to understand for both users and machines.

| What are the extender controls? | The extender controls uses a block of JavaScript code to add new and enhanced capabilities to ASP.NET. |