# Career Services Assignment 9 – API Flash Cards

**Points possible:** 50

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| 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.

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| **Front of Card** | **Back of Card** |
| **What is HTML?** | HTML is the abbreviation for Hypertext Markup Language. It is the typical documents’ markup language for developing web pages to display on the web browser. |
| 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 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 is the key difference between HTML Elements and Tags?** | HTML elements are the sections of the web page, such as a paragraph, an image, or a link is an element, and an element has a certain way of execution. For example, the link is used to be clicked, and the text boxes can be used to input text.  HTML elements communicate with the browser how to represent the text and become HTML tags when enclosed within angular brackets <>. |
| 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 are Ajax applications?** | Browser based applications and platform independent applications are used by Ajax. |
| **What are Attributes in HTML?** | An additional attribute is given to each tag to alter the behavior of the tag. Attributes are defined directly after the tag name, inside the angular brackets. They appear in opening tags and can never appear in closing tags. |
| How can CSS be integrated into an HTML page? | There are three ways of integrating CSS into HTML: using style tags in the head section, using inline-styling, writing CSS in a separate file, and linking into the HTML page by the link tag. |
| **How to control the duration of an Ajax request?** | AsyncPostBackTimeout property is used to control the duration of Ajax request. Deafult value of this property is 90 seconds. |
| **What is an Anchor tag in HTML?** | An anchor tag is used to link two sections, web pages, or website templates in HTML.  Its format is:  **<a href=”#” target=”link”></a>** |
| What is the difference between a class and an id? | Class is a way of using HTML elements for styling. They are not unique and have multiple elements. Whereas ID is unique and it can be assigned to a single element. |
| **What are the advantages of Ajax?** | * andwidth utilization – It saves memory when the data is fetched from the same page. * More interactive * Speeder retrieval of data |
| **What are Forms in HTML?** | Forms are used to collect the user information when they are filled, and details are provided to save into the database. |
| Define Z-index. | Z-index is used to specify the stack order of elements that overlap each other. Its default value is zero and can take both negative and positive values. A higher z-index value is stacked above the lower index element. It takes the following values- auto, number, initial, and inherit. |
| **Where AJAX cannot be used?** | * If Page need to show in a search engine * If browser does not support JavaScript * If user wants to create secure application |
| **What is the Use of Comments in HTML?** | Comments are used in an HTML document to make important notes and help developers mention any modification to be incorporated afterward. They are not displayed in the browser when the code is executed. A comment is always written in between the ‘—‘ symbol at the beginning and end of the angular brackets. |
| How can you target h3 and h2 with the same styling? | Multiple elements can be targeted by separating with a comma: h2, h3 {color: red;} |
| **How can AJAX applications be debugged?** | Two tools are used for debugging:   * Fiddler for IE * Firebug for Mozilla. |
| What are lists in HTML? | A list can be used to organize information into a list using an unordered list <ul> or an ordered list <ol>. Unordered lists just use bullet points and ordered lists use numbered lines. In these list are list headers <lh> and list items <li>. |
| Name some font-related CSS attributes. | he font-related attributes are Font- style, variant, weight, family, size, etc. |