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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
Explain the working of Ajax.	Ajax with XMLHttpRequest object communicates with a server, renders data on a portion of a webpage without page reload.
How many types of triggers are present in update panel?	• PostBackTrigger – This works as full postback and it cannot work asynchronously • AsyncPostBackTrigger – Partial post back asynchronously
What are Ajax applications?	Browser based applications and platform independent
What are all the controls of Ajax?	• ScriptManager • ScriptManagerProxy • UpdatePanel • UpdateProgress • Timer
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 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.

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Which are the two methods used for cross domain Ajax calls?	• CORS – Cross Origin Resource Sharing and it works with the HTTP web browsers • JSONP – JSON with Padding which works with the HTTP GET and on legacy browsers
What are the components of the ASP.NET AJAX architecture?	• AJAX client architecture • AJAX server architecture
What are the extender controls?	The extender controls uses a block of JavaScript code to add new and enhanced capabilities to ASP.NET.
Where AJAX cannot be used?	Users cannot use AJAX if • If Page needs to show in a search engine • If browser does not support JavaScript • If user wants to create secure application
What is AJAX Framework?	ASP.NET AJAX is a free framework to implement Ajax in asp.net web applications. It is used to quickly creating efficient and interactive Web applications that work across all browsers.
What are all the browsers that support AJAX?	• Internet Explorer 5.0 and above • Opera 7.6 and above • Netscape 7.1 and above • Safari 1.2 and above
How can AJAX applications be debugged?	• Fiddler for IE • Firebug for Mozilla.
How many update panels can be used per page?	There are no restrictions on the number of update panels per page.
What is Script Manager?	Script Manager helps manage the client side script of AJAX. Script Manager acts as a mediator as AJAX depends on JavaScript.

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	Every page that uses AJAX has a Script Manager to enable AJAX libraries.
How Ajax objects can be created?	Var sample = New ajaxObject('path of the page')
What are all the security issues of Ajax?	• When Ajax calls are sent through plain text and it may lead to know the database details • Inserting scripts can also be possible and attackers can easily penetrate into the system
What are the types of post back in Ajax?	• Synchronous Postback • Asynchronous Postback
Can we use nested update panel in Ajax?	Yes, we can use nested update panel in Ajax. Update panels can be nested to have more control over the Page Refresh.
How many types of ready states in Ajax?	• Initialization • Request • Process • Ready