

LESSON 11: LOADING DATA WITH AJAX

OVERVIEW

AJAX used to stand for JavaScript and	
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_____ but now is just the term for loading _____ scripts or

_____ in a _____ way.

Non-blocking, or _____, means...

» that a request can be sent and other scripts can be processed while we ______ from the request.

» when the response is received it then obtains the processing focus and is processed.

AJAX allows us to ...

- » run complex applications from a _____ page by loading additional data on _____.
- » improve the ______ of our scripts and page load by loading what the user needs as they ______ it.
- » the data can come in a variety of forms from plain text to HTML, JSON, or other formats.

[Scripting]

A LITTLE XML

XML stands for _____ markup language

- » Extensible meaning it is simply a framework or set of rules for markup; the tags and content are up to the _____.
- » HTML is actually one _____ of markup based on the rules of XML. HTML : XML :: Square : _____
- » Four rules:
 - Same three from Web 1: element rule; nesting rule; attribute rule.
 - New one that also applies:

XML USES

- » Treat HTML as XML
- » Create your own tags
- » Mix and match

[Scripting]

JSON

JavaScript _____ – a syntax for coding data independent from a JavaScript script.

- » Used for storing and sharing data between pages, scripts, servers, and even applications.
- » Truly just plain text that follows rules for formatting similar to JavaScript objects.
- » JavaScript and jQuery have functions that help parse and convert JSON to native objects such as \$.getJSON()

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[Scripting]

AJAX SHORTHANDS THANKS TO JQUERY

.load() - Loads an HTML _____ into an element.

\$(__1_).load("__2__ __3__");

- 1. _____ for the element into which the content will be loaded
- (Inside the string) the _____ to the desired HTML file.
- (Inside the same string) optionally, the selector for an element _____ the target HTML file to filter to and load.

- » Loads content "as-is"
 - » Assumes you have content in separate HTML pages that you want to load into certain elements.
 - » Filter to a selected element provides some additional flexibility.

\$.get() - Shorthand AJAX method for _____ content.

\$.get(__1_, __2__);

1. The _____ for the content to load.

represents the _____.

 2. _____ to be called when the response is _____. Accepts a parameter that » Assumes some URL endpoint is set up that will deliver relevant content.

- » Format of the content is broader than with .load()
- » What you do with the content when it is loaded is up to you.