

Microsoft Ajax 4 Using Visual Basic 2010: Server

Table of Contents

INTRODUCTION	INTRO-1
Prerequisites	INTRO-2
Installing the Practice Files	INTRO-3
Software Requirements	INTRO-3
Sample Database	INTRO-4
Installation	INTRO-6
About the Author	INTRO-7
AJAX FUNDAMENTALS	1-1
Introducing Ajax	1-2
Web Form Processing	1-9
Ajax and Visual Studio	1-12
Comparison of Full and Partial-Page Postbacks	1-13
Essential JavaScript	1-22
JavaScript, the Language	1-22
Dynamic HTML (DHTML)	1-24
JavaScript Object Notation	1-26
JavaScript Objects	1-29
Prototypes and Enclosures	1-30
Server and Client-Side Ajax	1-34
LAB 1: AJAX FUNDAMENTALS	1-39
Lab 1 Overview	1-40
Implement Ajax Using the XMLHttpRequest Object	1-41
Use Server-Side Ajax in a Web Page	1-51
SERVER-SIDE AJAX: UPDATEPANEL AND RELATED CONTROLS.....	2-1
Partial-Page Rendering	2-2
Ajax Server-Side Controls.....	2-2
The ScriptManager Control.....	2-4
ScriptManager Property Collections	2-6
The UpdatePanel Control	2-17
UpdatePanel Default Behavior.....	2-17
Triggers.....	2-25
Other Server-Side Ajax Controls	2-28

LAB 2: SERVER-SIDE AJAX: UPDATEPANEL AND RELATED CONTROLS.....	2-39
Lab 2 Overview.....	2-40
Consume a Web Service in Microsoft Ajax.....	2-41
Build a Comments Form.....	2-49
CREATING RICH AJAX APPLICATIONS.....	3-1
Using Multiple UpdatePanel Controls.....	3-2
Using Two Independent UpdatePanels.....	3-2
Nesting UpdatePanels.....	3-5
Minimizing Data Transfer with UpdatePanel.....	3-7
Using Page Methods.....	3-9
Calling a Web Service from a Browser.....	3-9
Calling a Server-Side Page Method.....	3-14
Ajax History and the Browser Back Button.....	3-17
Use Ajax History.....	3-18
LAB 3: CREATING RICH AJAX APPLICATIONS.....	3-27
Lab 3 Overview.....	3-28
Use Client-Side Ajax to Call a Page Method.....	3-29
Use Ajax History in a Web Page.....	3-36
ASP.NET AJAX CONTROL TOOLKIT.....	4-1
Introduction to the Ajax Control Toolkit.....	4-2
Control Extenders.....	4-2
Server and Client Controls.....	4-4
Add the Ajax Control Toolkit to the Visual Studio Toolbox.....	4-5
Toolkit Controls and Extenders.....	4-11
Accordion Control.....	4-11
AlwaysVisibleControlExtender.....	4-13
AutoCompleteExtender Control.....	4-15
FilteredTextBoxExtender Control.....	4-20
ListSearchExtender Control.....	4-21
MaskedEditExtender and Validator Controls.....	4-28
PagingBulletedListExtender Control.....	4-31
TextBoxWatermarkExtender Control.....	4-33
PasswordStrength Control.....	4-34
ToolkitScriptManager Control.....	4-36
LAB 4: ASP.NET AJAX CONTROL TOOLKIT.....	4-49

Lab 4 Overview	4-50
Configure the Rating Control	4-51
Use the ModalPopupExtender	4-57
INDEX.....	INDEX-1

ASP.NET 4.0 Ajax and jQuery Using Visual Basic

Table of Contents

INTRODUCTION.....	INTRO-1
Prerequisites.....	INTRO-2
Installing the Practice Files.....	INTRO-3
Software Requirements.....	INTRO-3
Sample Database.....	INTRO-6
The Chapter Files.....	INTRO-7
About the Author.....	INTRO-8
THE JQUERY LIBRARY.....	5-1
jQuery for the ASP.NET Developer.....	5-2
The Microsoft Ajax Library.....	5-3
The jQuery Library.....	5-4
Progressive Enhancement with JavaScript.....	5-8
Delivering jQuery to the Browser.....	5-10
Compressed and Uncompressed Versions of jQuery.....	5-12
Using jQuery.....	5-15
A jQuery Statement.....	5-19
The jQuery Function.....	5-20
Waiting for the Page to Load.....	5-21
Selectors, Wrapped Sets, and Chains.....	5-26
jQuery Selector Test Page.....	5-26
Using jQuery Selectors.....	5-29
jQuery Filters.....	5-41
Wrapped Sets and Chaining.....	5-47
LAB 5: THE JQUERY LIBRARY.....	5-53
Lab 5 Overview.....	5-54
Build a Web Page Using jQuery.....	5-55
Solve jQuery Selector Puzzles.....	5-63
BRING A WEB PAGE ALIVE WITH JQUERY.....	6-1
Introduction.....	6-2
Work with Page Elements.....	6-3
Manipulating CSS with jQuery.....	6-3
Hiding and Showing Page Elements.....	6-12
Changing Element Content.....	6-16

Adding and Removing Page Elements	6-20
Use Animations and Effects.....	6-26
Hovering Effects.....	6-27
Hiding and Showing Content	6-31
The animate Method	6-37
The jQuery User Interface Library	6-47
Downloading the jQuery UI Library	6-48
Exploring the jQuery UI Library.....	6-52
LAB 6: BRING A WEB PAGE ALIVE WITH JQUERY	6-59
Lab 6 Overview.....	6-60
Build a Web Page Using jQuery Manipulations and Animations	6-61
Build a Web Page Using the jQuery UI Library.....	6-67
USING JQUERY'S AJAX FEATURES	7-1
Introduction.....	7-2
The Server Side of Ajax	7-3
Ajax Made Simple with jQuery.....	7-4
The load Method	7-4
Content from HTML Files.....	7-5
Content from a Web Service.....	7-12
GETs, POSTs, and Data Formats	7-22
GET versus POST in the load Method.....	7-22
The get and post Methods	7-23
Taking Full Control with the ajax Method.....	7-26
Using the ajax Method	7-27
Setting Global ajax Method Options	7-31
Ajax Local and Global Events	7-33
LAB 7: USING JQUERY'S AJAX FEATURES	7-45
Lab 7 Overview.....	7-46
Refresh Content on a Page Using Ajax.....	7-47
Get JSON Data from a Web Method to Update a Page	7-54
JQUERY EXTENSIONS.....	8-1
jQuery Extensions in Microsoft's World	8-2
Replacing the Ajax Control Toolkit.....	8-2
Microsoft Extensions.....	8-15
jQuery Validation.....	8-34
Building Your Own Extensions	8-44

Plugin Conventions	8-44
The Sample Application	8-45
Plugin Framework	8-48
Building Version 1.0 of the Plugin	8-50
LAB 8: JQUERY EXTENSIONS	8-61
Lab 8 Overview	8-62
Globalize Data on a Web Page	8-63
Validate a Form Using jQuery Validation	8-67
Build a jQuery Plugin	8-74
INDEX.....	INDEX-1

