

**Developing Web Applications Using ASP.NET Duration:56 Hours**

Source	Topic/Activity Name
<b>Chapter 1</b>	Rationale
	Objectives
	Introducing Web Development
	Server-Side Scripting
	Client-Side Scripting
	Exploring ASP.NET
	ASP.NET in the .NET Framework
	Working of an ASP.NET Application
	Developing ASP.NET Applications
	Website Types
	Anatomy of an ASP.NET Application
	ASP.NET Web Page Code Model
	The Page Class
	Intrinsic Objects of ASP.NET
	Summary
Source	Topic/Activity Name
<b>Chapter 2</b>	Objectives
	Implementing Server Controls
	Processing of Server Controls on a Web Page
	Types of Server Controls
	Server Control Events
	Loading Controls Dynamically
	Adding Event Handlers Dynamically
	Implementing Generic Handler
Summary	

Source	Topic/Activity Name
Chapter 2	Objectives
	Creating Custom Controls
	Web User Controls
Chapter 3	Working with Styles
	Using Inline Styles
	Using an Embedded Style Sheet
	Using an External (Linked) Style Sheet
	Working with Themes
	Creating a Theme
	Applying a Theme
	Creating Multiple Skins
	Summary
	<b>Total Time</b>

Source	Topic/Activity Name
	Objectives
	<b>Activity 3.1: Implementing Themes</b>
	Working with Master Pages
	Connecting Master Pages and Content Pages
	Creating Nested Master Pages
	<b>Activity 3.2: Implementing Master Pages</b>
	Interacting with a Master Page Programmatically
Chapter 4	Working with Site Maps
	Defining a Site Map
	Binding a Page to a Site Map
	Configuring the Site Map Provider
	Implementing Navigation Using Navigation Controls
	The SiteMapPath Control
	The TreeView Control
	The Menu Control
	Summary

Source	Topic/Activity Name
Chapter 5	Objectives
	Implementing Client-Side State Management
	Hidden Fields
	View State
	Control State
	Cookies
	Query String
	Implementing Server-Side State Management
	Application State
	Session State

	Summary
--	---------

Source	Topic/Activity Name
Chapter 6	Objectives
	Profile Properties
	Managing State by Using Cross-Page Posting
	Implementing Caching
	Output Caching
	Fragment Caching
	Data Caching
	Identifying the Basics of Data Access in Web Applications
	Presentation Layer
	Business Rules Layer
	Database Access Layer
	Accessing Data by Using the Presentation Layer
	Data Source Controls
	Displaying Data in Data-Bound Web Server Controls
	Binding Controls to Data by Using Data Binding Syntax
	Summary

Source	Topic/Activity Name
	Objectives
Chapter 7	Identifying the Basics of LINQ
	Understanding the LINQ Query
	Summary

Source	Topic/Activity Name
	Objectives
	Accessing Data by Using the LINQ Queries
	Accessing Data by Using the LINQ Data Source Control
Chapter 8	Handling and Logging Errors
	Handling Errors
	Summary

Source	Topic/Activity Name
	Objectives
	Logging Errors
	Debugging Web Applications
	Configuring Web Applications for Debugging
	Debugging Client-Side Scripts
Chapter 9	Implementing Web Parts in a Web Application
	Advantages of Using Web Parts

	Web Part Modes
	Web Parts Control Set
	<b>Topic/Activity Name</b>
	Objectives
	Consuming Web Services in a Web Application
	Invoking Web Services
	Invoking Windows Communication Foundation Services
<b>Chapter 10</b>	Explaining the AJAX Framework
	Understanding AJAX
	Working of an AJAX-Enabled Web Application
	Advantages of AJAX-Enabled Web Applications
	Limitations of AJAX-Enabled Web Applications
	Architecture of ASP.NET AJAX
	Summary
	<b>Total Time</b>

<b>Source</b>	<b>Topic/Activity Name</b>
	Objectives
	Identifying the ASP.NET AJAX Server Controls
	The ScriptManager Control
	The UpdatePanel Control
	The UpdateProgress Control
	The Timer Control
	Identifying the ASP.NET AJAX Client Life-Cycle Events
	Client Events of the Application Class
	Client Events of the PageRequestManager Class
	Consuming Web Services in AJAX-Enabled Applications
	The Asynchronous Communication Layer
	JSON Support in Consuming Web Services
	Creating and Registering Client Scripts
<b>Book 1- Chapter 11</b>	Implementing Internationalization
	Factors Related to Creating International Applications
	Creating International Applications
	Implementing Culture-Specific Formatting
	Summary
	<b>Total Time</b>

<b>Source</b>	<b>Topic/Activity Name</b>
	Objectives
	Implementing Accessibility
	Fundamentals of Designing an Accessible Application
	Accessibility Design Guidelines for the Web

	Assistive Technologies Used for Accessibility of the Web
<b>Chapter 12</b>	Introducing the ASP.NET Security Model
	Configuring IIS for Implementing Security
	Configuring an ASP.NET Application for Security
	Configuring Authentication
	Configuring Authorization
	Summary
	<b>Total Time</b>

Source	Topic/Activity Name
<b>Chapter 13</b>	Implementing Tracing in Web Applications
	Implementing Tracing
	Writing Trace Information
	Using Trace Listeners
	Trace Switches
	Summary

## All Activities in ASP.net

Create Simple Websites using ASP.NET,ADO.NET,C#.NET