Developing Web Applications Using ASP Web Controls

Duration:	2 days
Type:	intermediate

Description

This course enables .NET developers to develop Web Applications using ASP .NET Web Controls

Prerequisites

Delegates must be experienced C# developers who are familiar with HTML.

List of Modules

Core Concepts of ASP .NET
- The page compilation process
- Using controls to abstract content
- Building a page flow based on post-backs
- Caching control data in hidden form fields
- Adding AJAX to improve responsiveness

Creating Basic ASP .NET Pages
- Extracting data from the request
- Storing information in the view state
- Storing information in the session and application
- Events in the lifecycle of a page
- Detecting if the current request is a post-back
- Attaching handlers to page events
- Placing standard controls on the page
- Attaching handlers to control events
- Importing types from other namespaces
- Adjusting the contents and styling of a control at runtime

Creating Intermediate ASP .NET Pages
- Attaching validators to controls and displaying errors
- Catching exceptions and configuring error handling pages
- Using the Repeater control to display lists of objects
- Using Data Source controls for convenient access to databases
- Using the Object Data Source control to preserve a layered architecture
- Advanced features of the GridView control (paging, sorting etc…)
- Simplifying page layouts by specifying Master Pages
- Using Themes to create a consistent look and feel
- Creating User Controls to reuse content across pages
- Implementing page flows using Cross Page Post Backs

Using AJAX Enabled Controls

- Overview of support for AJAX in ASP .NET
- Performing partial page refreshes via an UpdatePanel
- Installing and using the ASP .NET AJAX Control Toolkit

Securing ASP .NET Applications

- Using the standard controls for authentication
- Support in Visual Studio for creating your own user database
- Creating your own Membership Provider implementation
- Guarding against common security attacks