

Advanced Web Development using ASP.NET

Course Description

In this Course you will learn how to building advanced interactive, dynamic web applications using the .NET framework. You'll learn how to use web part and enhanced web user interface. Also you will learn to create a customized control for ASP.NET

Course Level

Advanced

Who should attend?

.NET Developer who want to create the ASP.NET Application using Visual Studio 2005

Pre-requisites

Basic understanding of Programming .NET Application and database access using ADO.NET

Course Objectives

- Personalize and Themes
- Dynamic Web Application
- Programming Web Part
- Optimizing Web Performance
- Deploying Web Application
- Web Application for Mobile

Course Durations

12 Hours

Course Outline

1. Building Web Part Pages and Web Parts

- Web Part Controls
- Web Part Page Modes
- Create a User Control as a Web Part
- Connected Web Parts

Hand-On Labs:

Using ASP.NET Web Parts

2. Creating Controls for Web Applications

- Create User Controls
- Using a Custom Web Server Control
- Creating the Server Control
- Controls Without Precompilation
- Create Composite Web Server Controls
- Create Templated Web Server Controls

Hand-On Labs:

Create New Control

3. Optimizing Performance

- Client Callbacks without Postbacks
- Creating Client Script Functions
- Cache ASP.NET Pages
- Log Events in Web Applications
- Provide Performance Data

Hand-On Labs:

Optimizing ASP.NET Application

4. Deploying a Web Application

- Deploy a Web Site by Copy Web Site
- Using the Publish Web Site Utility
- Create a Windows Installer Package for Deploying a Web Application

Hand-On Labs:

Deploying Web Application

5. Web Applications for Mobile Devices

- Detect and Redirect Mobile Devices
- Browse Mobile Web Pages
- Implement a Mobile Web Form
- Mobile Controls and Mobile Web Form

Hand-On Labs:

Create Mobile Web Application

6. Creating a Layout Using Master Pages

- Master Pages Overview
- Create a Master Page
- Configure Content Pages
- Create Nested Master Pages

Hand-On Labs:

Create Master Page

7. Implement Personalization and Themes

- Configure Personalization
- Configuring Profile Properties
- Implement Themes

Hand-On Labs:

Using Personalization and Themes

8. Building Dynamic Web

- Add Controls Dynamically
- Add the New Control to the Controls
- Create and Apply Templates to Controls

Apply Master Pages Dynamically
Add Localization Features
Hand-On Labs:
Create Dynamic Web Site

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