



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

10175: Microsoft® SharePoint® 2010 Application Development

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course provides existing .NET developers with practical information and labs that enables them to build solutions on the Microsoft SharePoint 2010 platform.

Target Audience

This course is intended for:

- Professional Developers who use Microsoft SharePoint 2010 in a team-based, medium-sized to a large development environment.
- Experienced Users of Microsoft Visual Studio® 2008 SP1.
- IT Professionals who understand how to use the new features of SharePoint 2010 and Visual Studio 2010.

Prerequisites

To attend this course, candidates must have:

- An understanding of the problem-solving techniques that apply to software development.
- At least 12 months experience with ASP.NET 3.5 with Visual Studio (VS) 2008 (or later).
- At least 1-month development experience with SharePoint 2007/2010 and VS 2010 (includes beta releases) creating code that interacts with the SharePoint Server-side APIs.
- Experience performing end-user tasks with SharePoint 2007/2010 and an understanding of the purpose and use of the following:
 - Lists
 - Documents and Libraries
 - Personalizing an SP Page/Site
 - MySites
 - SharePoint Designer.



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Course Objectives

Upon successful completion of this course, attendees will be able to:

- Describe the SharePoint 2010 development platform and the benefits and features that it offers to developers.
- Use development tools that are integrated with the SharePoint 2010 development platform, such as Visual Studio 2010 and SharePoint Designer 2010.
- Develop Web Parts for SharePoint 2010 solutions.
- Develop code that uses the server-side objects provided by the SharePoint 2010 development platform.
- Develop event receivers and manipulate application settings for SharePoint 2010 solutions.
- Develop solutions that access external data by using Business Connectivity Services.
- Develop workflows as part of SharePoint 2010 solutions.
- Develop code that uses the client-side objects provided by the SharePoint 2010 development platform.
- Develop server ribbon controls and client dialogues for the new user interface platform of SharePoint 2010.
- Develop Microsoft Silverlight™ applications that are integrated with SharePoint 2010 data and solutions.
- Develop sandboxed solutions for SharePoint 2010.
- Develop code that uses the taxonomic and user profile services of the SharePoint 2010 development platform.
- Develop code that uses the content management services of the SharePoint 2010 development platform.

Course Topics

Module 1: Introduction to the SharePoint 2010 Development Platform

- SharePoint 2010 as a Development Platform
- SharePoint 2010 Object Hierarchy
- Working with SharePoint 2010 Objects

Module 2: Using SharePoint 2010 Developer Tools

- Developing SharePoint Sites by Using SharePoint Designer 2010

- Developing SharePoint Solutions by Using Visual Studio 2010
- Packaging and Deploying SharePoint 2010 Solutions

Module 3: Developing SharePoint 2010 Web Parts

- Developing Standard Web Parts
- Developing Connected Web Parts
- Developing Visual Web Parts



Course Topics *Continued*

Module 4: Working with SharePoint Objects on the Server

- Working with SharePoint Sites Programmatically
- Working with SharePoint Lists Programmatically
- Working with List Data Programmatically

Module 5: Creating Event Receivers and Application Settings

- Creating Event Receivers
- Working with Web.Config Programmatically

Module 6: Developing Solutions by Using Business Connectivity Services

- Business Connectivity Services Overview
- Developing External Content Types and Lists by Using SharePoint Designer
- Developing Business Connectivity Services Solutions by Using Visual Studio 2010

Module 7: Developing SharePoint 2010 Workflows

- Creating Workflows with SharePoint Designer
- Creating Workflows with Visual Studio 2010

Module 8: Working with Client-Based APIs for SharePoint 2010

- Overview of the SharePoint 2010 Client Object Model
- Working with the SharePoint 2010 Client Object Model in .NET Applications

Module 9: Developing Interactive User Interfaces

- Creating Menu Items and Ribbon Controls
- Creating Client-Side Dialogs

Module 10: Developing Silverlight™ Applications for SharePoint

- Creating Silverlight™ Applications for SharePoint 2010
- Deploying and Debugging Silverlight™ Applications for SharePoint 2010

Module 11: Developing Sandboxed Solutions

- Sandboxing and User Solutions
- Restrictions for Sandboxed Solutions

Module 12: Working with SharePoint Server Profiles and Taxonomy APIs

- User Profiles
- Taxonomies

Module 13: Developing Content Management Solutions

- Developing Enterprise Content Management Solutions
- Developing Web Content Management Solutions

LABS INCLUDED