



COMPUTER TRAINING

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SHAREPOINT

Course No. 10175

5 Days

Target Audience:

This course provides existing .NET developers with practical information and labs that enables them to build solutions on the Microsoft SharePoint 2010 platform. It is intended for professional developers who use Microsoft SharePoint 2010 in a team-based, medium-sized to large development environment.

Pre-requisites:

Before attending this course, students must have the following pre-requisites:

- An understanding of the problem-solving techniques that apply to software development.
- Experience with ASP.NET 3.5 and Visual Studio 2008 (or later).
- Development experience with SharePoint 2007 or 2010 and VS2010 creating code that interacts with the SharePoint Server-side APIs.
- Experience performing end user tasks with SharePoint 2007 or 2010.

Purpose:

After completing this course, students will be able to describe the SharePoint 2010 development platform; use development tools integrated with the SharePoint 2010 development platform; develop Web Parts for SharePoint 2010 solutions; develop code that uses the server-side/client-side objects provided by the SharePoint 2010 development platform; develop event receivers and manipulate application settings for SharePoint 2010 solutions; develop solutions that use Business Connectivity Services; develop workflows; develop server ribbon controls and client dialogs; develop Microsoft Silverlight applications that are integrated with SharePoint 2010; develop sandboxed solutions for SharePoint 2010; develop code that uses the content management services of the SharePoint 2010 development platform.

Microsoft SharePoint 2010, Application Development

At the end of the course the delegate will be able to complete the following:

Introduction to the SharePoint 2010 Development Platform

- This module describes the SharePoint 2010 development platform and the benefits and features that it offers to developers.
- SharePoint 2010 as a Development Platform
- SharePoint 2010 Object Hierarchy
- Working with SharePoint 2010 Objects
- Lab: Developing with the SharePoint 2010 Object Hierarchy

Skills:

- Describe SharePoint 2010 as a development platform.
- Describe the SharePoint 2010 object hierarchy from the perspective of a developer.
- Work with SharePoint 2010 objects programmatically.

Using SharePoint 2010 Developer Tools

- This module describes how to use development tools that are integrated with the SharePoint 2010 development platform, such as Visual Studio 2010 and SharePoint Designer 2010.
- Developing SharePoint Sites by Using SharePoint Designer 2010
- Developing SharePoint Solutions by Using Visual Studio 2010
- Packaging and Deploying SharePoint 2010 Solutions
- Lab: Using SharePoint 2010 Developer Tools

Skills:

- Develop SharePoint sites by using SharePoint Designer 2010.
- Develop SharePoint solutions by using Visual Studio 2010.
- Package and deploy SharePoint 2010 solutions.

Developing SharePoint 2010 Web Parts

- This module describes how to develop Web Parts for SharePoint 2010 solutions.
- Developing Standard Web Parts
- Developing Connected Web Parts
- Developing Visual Web Parts
- Lab: Creating SharePoint 2010 Web Parts by Using Visual Studio 2010

Skills:

- Develop standard Web Parts.
- Develop connected Web Parts.
- Develop Visual Web Parts.

Working with SharePoint Objects on the Server

- This module describes how to develop code that uses the server-side objects provided by the SharePoint 2010 development platform.
- Working with SharePoint Sites Programmatically
- Working with SharePoint Lists Programmatically
- Working with List Data Programmatically
- Lab: Creating and Manipulating Server-Side Objects

Skills:

- Create and manipulate SharePoint sites.
- Create and manipulate SharePoint lists.
- Retrieve, add, update, and delete SharePoint list data.

Creating Event Receivers and Application Settings

- This module describes how to develop event receivers and manipulate application settings for SharePoint 2010 solutions.
- Creating Event Receivers
- Working with Web.Config Programmatically
- Lab: Creating Event Receivers and Web.Config Modifications

Skills:

- Create event receivers for SharePoint 2010 solutions.
- Add, modify, and retrieve Web.config settings programmatically for use in your SharePoint solutions.

Developing Solutions by Using Business Connectivity Services

- This module describes how to develop solutions that access external data 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
- Lab: Building Business Connectivity Services Solutions

Skills:

- Describe Business Connectivity Services.
- Develop external content types and lists by using SharePoint Designer 2010.
- Develop Business Connectivity Services solutions by using Microsoft Visual Studio 2010.

Developing SharePoint 2010 Workflows

- This module describes how to develop workflows as part of SharePoint 2010 solutions.
- Creating Workflows with SharePoint Designer
- Creating Workflows with Visual Studio 2010
- Lab: Creating Workflows for SharePoint 2010



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Skills:

- Create workflows for SharePoint by using SharePoint Designer 2010.
- Create workflows for SharePoint by using Microsoft Visual Studio 2010.

Working with Client-Based APIs for SharePoint 2010

- This module describes how to develop code that uses the client-side objects provided by the SharePoint 2010 development platform.
- Overview of the SharePoint 2010 Client Object Model
- Working with the SharePoint 2010 Client Object Model in .NET Applications
- Lab: Developing .NET Applications by Using the SharePoint Client Object Model

Skills:

- Describe the SharePoint 2010 Client Object Model.
- Work with the SharePoint 2010 Client Object Model in Microsoft .NET Framework applications.

Developing Interactive User Interfaces

- This module describes how to develop server ribbon controls and client dialogs for the new user interface platform of SharePoint 2010.
- Creating Menu Items and Ribbon Controls
- Creating Client-Side Dialogs
- Lab: Developing User Interface Components for SharePoint 2010 Solutions

Skills:

- Create menu items and ribbon controls.
- Create client-side dialogs.

Developing Silverlight Applications for SharePoint

- This module describes how to develop Silverlight applications that are integrated with SharePoint 2010 data and solutions.
- Creating Silverlight Applications for SharePoint 2010
- Deploying and Debugging Silverlight Applications for SharePoint 2010
- Lab: Developing Silverlight Applications by using the SharePoint Client Object Model

Skills:

- Develop Silverlight applications for SharePoint 2010.
- Deploy and debug Silverlight applications for SharePoint 2010.

Developing Sandboxed Solutions

- This module describes how to develop sandboxed solutions for SharePoint 2010.
- Sandboxing and User Solutions
- Restrictions for Sandboxed Solutions
- Lab: Creating Sandboxed Solutions for SharePoint 2010

Skills:

- Develop sandboxed solutions.
- Describe what is allowed and what is not allowed in sandboxed solutions.

Working with SharePoint Server Profiles and Taxonomy APIs

- This module describes how to develop code that uses the taxonomic and user profile services of the SharePoint 2010 development platform.
- User Profiles
- Taxonomies
- Lab: Working with User Profiles and Taxonomies Programmatically

Skills:

- Create, retrieve, and manipulate user profiles and user profile properties.
- Create and retrieve taxonomic terms.

Developing Content Management Solutions

- This module describes how to develop code that uses the content management services of the SharePoint 2010 development platform.
- Developing Enterprise Content Management Solutions
- Developing Web Content Management Solutions
- Lab: Branding SharePoint Sites

Skills:

- Describe how to develop enterprise content management solutions for Microsoft SharePoint Server 2010.
- Describe how to develop Web content management features Microsoft SharePoint Server 2010.



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PARTICULARS

Cost:

For the latest available price, please see the course page on **www.f1comp.co.uk**, or call 01225 336096.

Numbers:

Maximum of 6 people on each course at F1's training facilities in London and Bath