

Course 568:

SharePoint 2007 Development with Visual Studio

(4 days)

Course Description...

The SharePoint 2007 Development with Visual Studio course is designed to transform .NET developers into SharePoint 2007 developers by leveraging existing .NET programming skills. The course provides a thorough look into the world of SharePoint and explains key concepts such as security, site columns, Web Parts, the Business Data Catalog and workflows. Additional topics covered include SharePoint 2007 development tools and deployment techniques. Students taking the course will leave with a solid understanding of how they can build SharePoint applications and deploy them in enterprise environments.

Learning Objectives...

- SharePoint 2007 development tools
- The WSS object model
- How to create custom workflows using Visual Studio and SharePoint Designer 2007
- How to work with Lists
- The role of site definitions
- Customization of site columns
- The process of building and deploying SharePoint Features and Solutions
- What Web Parts are and how they can be created and deployed
- The Business Data Catalog and related Web Parts
- How to secure SharePoint applications with ASP.NET Forms Authentication

Who should attend...

The class is designed for .NET developers with experience building C# applications. Students must also have a working knowledge of SharePoint 2007 and ASP.NET.

Prerequisites...

- 1 or more years of C# and ASP.NET programming experience is required.
- Previous experience interacting with a SharePoint site is recommended.

See next page for a detailed course outline...



Course Outline...

Introduction to SharePoint Development

- Modes of Development: Configuration, Customization and Solution Development
- Site Collections and Sites
- Creating and Customizing Lists and Libraries
- Using Web Part Pages

Site Columns and Content Types

- Site Columns
- Content Types
- Integrating Site Columns, Content Types, and Lists
- Using Calendar and Contacts Lists with Outlook 2007

Authentication and Authorization

- Authentication Mechanisms
- Authorization and Permissions
- Zones

SharePoint Architecture

- IIS, ASP.Net, and SharePoint
- Page Request Pipeline
- What Happens When a New Web Application is Created
- SPVirtualPathProvider and SPPageParserFilter

Features

- Types of Features
- Feature Scopes
- Feature Activation, Dependencies, and Stapling
- Feature Receivers

Solution Development

- Creating a Development Environment
- Creating and Deploying Solutions
- Common Failure Modes
- Tools and Techniques to Simplify Package and Deployment

Site Definitions

- Understanding Site Definitions
- Creating Custom Site Definitions
- Specify Site Elements and Features Using Onet.xml

Master Pages

- ASP.NET Master Page Basics
- Master Pages in SharePoint
- Creating a Custom Master Page

Programming Fundamentals

- The Microsoft.SharePoint Namespace
- Deploying Controls
- Elevation of Privileges
- Debugging Assemblies
- Code Access Security

Creating User Controls and Web Parts

- User Controls



- Web Parts
- Delegate Controls

Advanced List Concepts

- Manipulating Lists and List Items Programmatically
- Lists and Cross-site queries
- Events
- Custom Field Types

Custom Workflows

- Comparison to SharePoint Designer Workflows
- Workflow basics
- ASP.NET Based Association, Initiation, and Modification Forms
- Debugging Workflows
- Custom Task Content Types and Forms

Business Data Catalog

- What is the BDC?
- Overview
- Application Definition Files
- Third Party Tools

SharePoint Web Services

- What are Web Services?
- Accessing SharePoint services WSDL
- Consuming SharePoint Web Services

Please contact your ROI representative to discuss course customization!!!