

## **SharePoint Development Course Content**

### **SharePoint 2010 Basics**

- ✓ Introduction
- ✓ What is SharePoint
- ✓ A typical SharePoint project
- ✓ SharePoint Environments, your local machine
- ✓ SharePoint Audiences and Team Members
- ✓ SharePoint solution delivery tools
- ✓ SharePoint Physical Layout
- ✓ SharePoint Logical Layout
- ✓ Managed Paths in SharePoint
- ✓ Basic SharePoint usage and security
- ✓ SharePoint 2010 Writing Code

### **Introduction**

- ✓ Writing a simple SharePoint console app
- ✓ Writing a sandbox solution
- ✓ Writing a farm solution
- ✓ Sandbox Solutions Architecture
- ✓ Sandbox Solutions Monitoring, Management and Deployment
- ✓ Sandbox Solutions Restrictions
- ✓ Sandbox Solutions Validators
- ✓ Sandbox Solutions Full Trust Proxies
- ✓ Features and Solutions
- ✓ Basic introduction to features
- ✓ Writing your first feature
- ✓ Why you need solutions for production deployment
- ✓ Writing a solution
- ✓ Pages in SharePoint

### **Introduction - types of pages**

- ✓ Content pages and application pages
  - ✓ Deploying site pages with solutions
  - ✓ Deploying application pages with solutions
  - ✓ Site pages with web part hosting
  - ✓ SharePoint WebParts
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- ✓ Overview

- ✓ WebPart history
- ✓ Role of WebParts
- ✓ Demo: modifying a WebPart
- ✓ Personalization data
- ✓ Demo: modifying WebPart data at shared and user scopes
- ✓ WebPart Pages
- ✓ Demo: Adding a WebPart page
- ✓ Creating your own WebPart
- ✓ Demo: creating a simple WebPart
- ✓ Deploying SharePoint WebParts
- ✓ Demo: deploying a WebPart
- ✓ WebPart connections
- ✓ Demo: creating connected WebParts
- ✓ User controls as WebParts
- ✓ Demo: hosting a user control in a WebPart
- ✓ Site Provisioning

### **Introduction**

- ✓ SharePoint Foundation
- ✓ SharePoint Server
- ✓ Nomenclature and Architecture
- ✓ Provisioning and Security
- ✓ Demo - Provisioning and Security
- ✓ Summary
- ✓ Information Collaboration

### **Introduction**

- ✓ List Creation and Schema Management
- ✓ Views
- ✓ List and Column Validation
- ✓ Versioning and Content Approval
- ✓ Relating Lists using Lookups
- ✓ List Data Storage
- ✓ Libraries
- ✓ Site Columns and Content Types
- ✓ List View Web Parts

### **Summary**

- ✓ Foundation Development

- ✓ Developer Environment
- ✓ Developer Tools
- ✓ Demo - Developer Tools
- ✓ Features and Elements
- ✓ Demo - Introduction
- ✓ Features and Elements
- ✓ Solutions and Deployment
- ✓ Demo - Solutions and Deployment
- ✓ Server Object Model
- ✓ Demo - Server Object Model
- ✓ List Data
- ✓ Demo - List Data
- ✓ Client Object Model
- ✓ Sandboxed Solutions
- ✓ Demo - Sandboxed Solutions
- ✓ Summary
- ✓ Business Data Catalog

## **Introduction**

- ✓ Overview
- ✓ What is the BDC?
- ✓ BDC's place in SharePoint
- ✓ Using the BDC
- ✓ Demo: using the editor
- ✓ BDC Architecture
- ✓ Line of Business Systems
- ✓ Entities
- ✓ Demo: creating an entity
- ✓ Methods
- ✓ Demo: defining methods
- ✓ Deployment
- ✓ Demo: deploying to BDC
- ✓ Actions
- ✓ .NET Managed Implementation

## **Introduction**

- ✓ What is the Client Object Model
- ✓ Communicating with SharePoint
- ✓ Retrieving Resources with Load
- ✓ Demo - Retrieving Resources with Load
- ✓ Retrieving Resources with LoadQuery

- ✓ Demo - Retrieving Resources with LoadQuery
- ✓ Querying List Data
- ✓ Demo - Querying List Data
- ✓ Silverlight Implementation

### **Introduction**

- ✓ Silverlight Client OM Implementation
- ✓ Demo: Retrieving Resources using Load
- ✓ Authentication and Cross-Domain Service Calls
- ✓ Demo: Test Silverlight Control in Visual Studio
- ✓ ECMAScript (JavaScript) Implementation

### **Introduction**

- ✓ JavaScript Client Object Model Fundamentals
- ✓ Demo - Retrieving Resources using Load
- ✓ Using the JavaScript Client Object Model in Web Parts
- ✓ Demo - Using the JavaScript Client Object Model in Web Parts
- ✓ Programming Lists using Code

### **Introduction**

- ✓ Creating Lists using Code
- ✓ Demo - Creating a List using Code
- ✓ Creating Content Types using Code
- ✓ Demo - Creating a Content Type using Code
- ✓ Creating Lists based on a Content Type using Code
- ✓ Demo - Creating a List based on a Content Type using Code
- ✓ Summary
- ✓ Programming Libraries

### **Introduction**

- ✓ Creating Libraries using Code
- ✓ Demo - Creating a Library using Code
- ✓ Selecting a Document Template
- ✓ Demo - Selecting a Document Template
- ✓ Adding Documents to Libraries
- ✓ Demo - Adding Documents to Libraries
- ✓ Creating Documents with the Open XML SDK
- ✓ Demo - Creating Documents with the Open XML SDK
- ✓ Navigating Documents in Libraries
- ✓ Demo - Navigating Documents in Libraries

- ✓ Summary
- ✓ SharePoint Workflows

### **Introduction**

- ✓ SharePoint Workflow Concepts
- ✓ Demo - SharePoint Workflow Concepts
- ✓ Custom Workflows - Introduction and Activities
- ✓ Demo - Workflow Activities
- ✓ Custom Workflows - Working with Tasks
- ✓ Demo - Working with Tasks
- ✓ Custom Workflows - Workflow Forms
- ✓ Demo - Workflow Forms
- ✓ Summary

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