



## Course Outline

### 50351: SharePoint 2010 Overview (Dev)

Three days—Instructor-led

#### About this Course

This 3-day overview course will introduce you to the new features of SharePoint 2010 from a developer's perspective.

#### Audience Profile

Anyone interested in getting an introductory look at the new development features of SharePoint 2010.

#### At Course Completion

After completing this course, students will be able to:

This course will teach you all the new development changes that were made to SharePoint 2010 including (Sandboxed solutions, LINQ, REST, Client Object Model, BCS, Workflows and Claims based authentication.

#### Prerequisites

Before attending this course, students must have:

.NET Object Oriented programming and understanding of development in SharePoint 2007.

#### Course Outline

##### *Modules 1: Course Overview*

###### Overview

###### User Interface

###### Lesson: New SharePoint Features

- Collaboration Qualities
- Design Goals
- UI Improvements
- Ribbon
- Wiki Capabilities

###### Lab: User interface

- Understand UI Improvements
- Use the Create Page
- Explore the Ribbon

##### *Modules 2: Visual Studio 2010*

###### Lesson: Visual Studio 2010

- Overview
- Project Templates
- Packaging and Deployment
- SPTools & Extensibility
- Hints

###### Lab: Visual Studio 2010

- Explore SharePoint Project Templates
- Use Server Explorer
- Packaging and Deployment Tools
- Advanced Deployment

###### Lab: Custom Deployment Steps

- Create a Custom Deployment Step



## Course Outline

### **Module 3: Sandboxed Solutions**

#### **Lesson: Sandboxed Solutions**

- Architecture
- Solution Points
- Solution Validators
- Solution Gallery
- Limitations

#### **Lab: Sandboxed Solutions**

- Explore Sandboxed Solutions
- Create and Test Sandboxed Solutions
- Explore Limitations of Sandbox Solutions
- Configure Sandbox Points

#### **Lab: Solution Validators**

- Create and Deploy a Solution Validator

#### **Lab: DeveloperDashboard**

- Enable Developer Dashboard

### **LINQ and REST**

#### **Lesson: REST**

- Overview
- REST Services

#### **Lesson: LINQ**

- LINQ
- LINQ for SharePoint

#### **Lab: REST**

- Utilize REST Services
- REST Service Reference
- REST List Service Calls (PUT, GET)
- REST Excel Service

#### **Lab: LINQ**

- LINQ Introduction
- Utilize LINQ For SharePoint
- Use SPMetal.exe

### **Client Object Model**

#### **Lesson: Client Object Model**

- Overview
- Client Object Model
- JavaScript
- Silverlight
- JQuery

#### **Lab: ClientObjectModel**

- Explore Client Object Model
- Utilize Client Object Model (.NET)

#### **Lab: ECMAScript**

- JavaScript Object Model

#### **Lab: SilverLight**

- Utilize Client Object Model (SilverLight)

### **Business Connectivity Services**

#### **Lesson: Business Connectivity Services**

- Overview
- Business Connectivity Services
- Upgrading

#### **Lab: BCS**

- Explore External Content Types
- Create a new External Content Type
- Create an External List

### **Workflows**

#### **Lesson: Workflows**

- Out of Box Workflows
- Out of Box Conditions
- Out of Box Actions
- Site/Global Workflows
- External Data

#### **Lab: ReusableWorkflows**

- Create Reusable Workflows (Site/Global)



## Course Outline

- Export a workflow to Visio
- Import a workflow from Visio
- Save as Template

### **Lab: ModifyOOBWorkflow**

- Modify Out Of Box Workflows

### ***Claims Based Authentication***

#### **Lesson: Claims Based Authentication**

- Overview
- Claims Based Security
- Custom Claim Providers

#### **Lab: ClaimsBasedAuth**

- Programming with Claims
- Creating custom claims provider