

# SharePoint 2010 Overview for Developers

## Course Overview

This course teaches the student the new development changes that have been implemented into SharePoint 2010. Some topics discussed are LINQ, REST, Client Object Model, BCS, Workflows, Claims based authentication and Sandboxed solutions. It is recommended that students have a understanding of .NET Object Oriented programming as well as understanding the development of SharePoint 2007.

## Course Outline

<b><u>Course Introduction</u></b>	2m
Course Introduction	
<b><u>Module 01 - Overview</u></b>	2m
Course Materials	
Types of SharePoint Courses	
Prerequisites	
<b><u>Module 02 - Collaboration Experience</u></b>	36m
<b>Lesson: New SharePoint Features</b>	
Collaboration Qualities	
SharePoint 2010 Design Goals	
2010 UI Improvements	
AJAX User Interface	
Media Streaming Capabilities	
Ribbon	
Troubleshooting/Help Desk Improvements	
Wiki Capabilities	
Demo - SharePoint Collaboration	
Lab - SharePoint Collaboration Experience	
Discussion	
Module 02 Review	
<b><u>Module 03 - Visual Studio 2010</u></b>	43m
<b>Lesson: Visual Studio 2010</b>	
Overview	
Project Template	
Packaging and Deployment	
Hints	
Demo - VS2010	
Lab - Visual Studio 2010	
Lab - Custom Deployment Steps	
Discussion	
Module 03 Review	

## **Module 04 - Sandboxed Solutions**

46m

### **Lesson: Sandboxed Solutions**

Architecture  
Solution Points  
Solution Validators  
Solution Gallery  
Things you can do  
Limitations  
Hint  
Developer Dashboard  
Demo - Sandboxed Solutions  
Lab - Sandboxed Solutions  
Lab - Solution Validators  
Lab - Developer Dashboard  
Discussion  
Module 04 Review

## **Module 05 - LINQ and REST**

59m

### **Lesson: REST**

Overview  
REST Services  
REST Filters  
Query Throttling  
API Documentation

### **Lesson: LINQ**

LINQ  
LINQ for SharePoint  
Demo - REST and LINQ  
Lab - REST Services  
Lab - LINQ for SharePoint  
Module 05 Review

## **Module 06 - Client Object Model**

45m

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

Overview  
Client Object Model  
Client to Server Mapping  
JavaScript  
Client vs JavaScript  
Silverlight Object Model  
JQuery  
Demo - Client OM  
Lab - Client Object Model  
Lab - ECMA Script  
Lab - Silverlight  
Discussion  
Module 06 Review

## **Module 07 - Business Connectivity Services**

46m

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

Overview  
Business Connectivity Services  
External Content Type  
BCS Permissions  
BCS and Office Integration  
NOTE: Writing with BCS  
Upgrading  
Demo - BCS  
Lab - BCS  
Lab - BCS Connectors  
Module 07 Review

## **Module 08 - Workflows**

52m

### **Lesson: Workflows**

Out of Box Workflows  
SharePoint Designer Workflows  
Out Of Box Conditions  
Out Of Box Actions  
Note About Actions  
Note About Actions (eNotes)  
Extending SharePoint Designer  
SharePoint Designer Steps  
Site/Global Workflows  
Workflow Patterns  
Workflow Patterns (eNotes)  
Looping Workflows  
Looping Workflows (eNotes)  
Debugging Designer Workflows  
Demo - Workflows  
Lab - Reusable Workflows  
Lab - Modify OOB Workflows  
Discussion  
Module 08 Review

## **Module 09 - Claims Based Authentication**

31m

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

Overview  
Standards  
Claims Based Authentication  
Claims Based Authentication (eNotes)  
Identify Normalization  
Sign In Process  
Claim Providers  
SharePoint 2010  
Forms Based Auth Changed  
Claims to Windows Token  
Custom Claims Providers  
Access Control Services (ACS)

Lab - Claims Based Auth  
Module 09 Review  
Course Closure

**Total Duration: 6hrs 4m**