

Course Description

This course provides .NET developers the information needed to design, build and troubleshoot SharePoint 2013 solutions. Specifically, the course will teach how to work with backend data, frontend user interfaces and security, as well as provide guidelines, best practices, and considerations that will help developers optimize SharePoint applications.

Course Outline

Module 1: SharePoint as a Developer Platform

- Introducing the SharePoint Developer Landscape
- Choosing Approaches to SharePoint Development
- Understanding SharePoint 2013 Deployment and Execution Models

Module 2: Working with SharePoint Objects

- Understanding the SharePoint Object Hierarchy
- Working with Sites and Webs
- Working with Execution Contexts

Module 3: Working with Lists and Libraries

- Using List and Library Objects
- Querying and Retrieving List Data
- Working with Large Lists

Module 4: Designing and Managing Features and Solutions

- Understanding Features and Solutions
- Configuring Features and Solutions
- Working with Sandboxed Solutions

Module 5: Working with Server-Side Code

- Developing Web Parts
- Using Event Receivers
- Using Timer Jobs
- Storing Configuration Data

Module 6: Managing Identity and Permissions

- Understanding Identity Management in SharePoint 2013
- Managing Permissions in SharePoint 2013
- Configuring Forms-Based Authentication
- Customizing the Authentication Experience

Module 7: Introducing Apps for SharePoint

- Overview of Apps for SharePoint
- Developing Apps for SharePoint

Module 8: Client-Side SharePoint Development

- Using the Client-Side Object Model for Managed Code
- Using the Client-Side Object Model for JavaScript
- Using the REST API with JavaScript

Module 9: Developing Remote Hosted SharePoint Apps

- Overview of Remote Hosted Apps
- Configuring Remote Hosted Apps
- Developing Remote Hosted Apps

Module 10: Publishing and Distributing Apps

- Understanding the App Management Architecture
- Understanding App Packages
- Publishing Apps
- Installing, Updating, and Uninstalling Apps

Module 11: Automating Business Processes

- Understanding Workflow in SharePoint 2013
- Building Workflows by using Visio 2013 and SharePoint Designer 2013
- Developing Workflows in Visual Studio 2012

Module 12: Managing Taxonomy

- Managing Taxonomy in SharePoint 2013
- Working with Content Types
- Working with Advanced Features of Content Types

Module 13: Managing Custom Components and Site Life Cycles

- Defining Custom Lists
- Defining Custom Sites
- Managing SharePoint Sites

Module 14: Customizing User Interface Elements

- Working with Custom Actions
- Using Client-Side User Interface Components
- Customizing the SharePoint List User Interface

Module 15: Working with Branding and Navigation

- Creating and Applying Themes
- Branding and Designing Publishing Sites
- Tailoring Content to Platforms and Devices
- Configuring and Customizing Navigation