

20488: Developing Microsoft SharePoint Server 2013 Core Solutions

Course Details

Course Outline

1. SharePoint as a Developer Platform

- Introducing the SharePoint Developer Landscape
- Choosing Approaches to SharePoint Development
- Understanding SharePoint 2013 Deployment and Execution Models
- Lab : Comparing Web Parts and App Parts

2. Working with SharePoint Objects

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

3. Working with Lists and Libraries

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

4. Designing and Managing Features and Solutions

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

5. Working with Server-Side Code

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

- Lab : Working with Server-Side Code

6. Managing Identity and Permissions

- Understanding Identity Management in SharePoint 2013
- Managing Permissions in SharePoint 2013
- Configuring Forms-Based Authentication
- Customizing the Authentication Experience
- Lab : Managing Permissions Programmatically in SharePoint 2013
- Lab : Creating and Deploying a Custom Claims Provider

7. Introducing Apps for SharePoint

- Overview of Apps for SharePoint
- Developing Apps for SharePoint
- Lab : Creating a Site Suggestions App

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

9. Developing Remote Hosted SharePoint Apps

- Overview of Remote Hosted Apps
- Configuring Remote Hosted Apps
- Developing Remote Hosted Apps
- Lab : Configuring a Provider Hosted SharePoint App
- Lab : Developing a Provider Hosted SharePoint App

10. Publishing and Distributing Apps

- Understanding the App Management Architecture
- Understanding App Packages
- Publishing Apps
- Installing, Updating, and Uninstalling Apps
- Lab : Publishing an App to a Corporate Catalog
- Lab : Installing, Updating, and Uninstalling Apps

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
- Lab : Building Workflows in Visio 2013 and SharePoint Designer 2013
- Lab : Creating Workflow Actions in Visual Studio 2012

12. Managing Taxonomy

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

13. Managing Custom Components and Site Life Cycles

- Defining Custom Lists
- Defining Custom Sites
- Managing SharePoint Sites
- Lab : Managing Custom Components and Site Life Cycles

14. Customizing User Interface Elements

- Working with Custom Actions
- Using Client-Side User Interface Components
- Customizing the SharePoint List User Interface
- Lab : Using the Edit Control Block to Launch an App
- Lab : Using jQuery to Customize the SharePoint List User Interface

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
- Lab : Branding and Designing Publishing Sites
- Lab : Configuring Farm-Wide Navigation