20489: Developing Microsoft SharePoint Server 2013 Advanced Solutions

Course Details

Course Outline

1. **Creating Robust and Efficient Apps for SharePoint**
   - Apps for SharePoint
   - Communicating with SharePoint from an App
   - Authenticating and Authorizing Apps for SharePoint
   - Designing Apps for Performance
   - Lab : Monitoring SharePoint Health Scores

2. **Developing Managed Metadata Solutions**
   - Managed Metadata
   - Configuring Managed Metadata Term Sets
   - Working with Managed Metadata Fields
   - Lab : Developing Managed Metadata Solutions (Part 1)
   - Lab : Developing Managed Metadata Solutions (Part 2)

3. **Interacting with the Search Service**
   - SharePoint 2013 Search Service
   - Building Search Queries with KQL and FQL
   - Executing Search Queries from Code
   - Lab : Executing Search Queries from SharePoint Apps

4. **Customizing the Search Experience**
   - Customizing Query Processing
   - Customizing Search Results
   - Configuring Result Types and Display Templates
   - Customizing Content Processing
   - Lab : Configuring Entity Extraction

5. **Implementing Enterprise Content Management**
   - Working with eDiscovery
   - Working with Content Management

- Automating Records Management
- Lab : Implementing Content Management Functionality

6. **Developing a Publishing Site for Web Content**

- Programming with the Web Content Publishing API
- Developing Page Components for Web Content Publishing
- Lab : Customizing a SharePoint Publishing Site

7. **Structuring and Publishing Websites for All Users**

- Website Structure and Navigation
- Publishing Content
- Publishing to Mobile Devices
- Multi-language sites using Variations
- Lab : Structuring a SharePoint Publishing Site
- Lab : Publishing for Multiple Devices and Languages

8. **Developing Optimized Internet Sites**

- Optimizing a SharePoint Site for Search Engines
- Optimizing Performance and Scalability
- Lab : Optimizing SharePoint Publishing Sites

9. **Working with Business Connectivity Services**

- Business Connectivity Services in SharePoint 2013
- Creating BDC Models in SharePoint Designer
- Creating BDC Models in Visual Studio 2012
- Lab : Working with Business Connectivity Services

10. **Creating Advanced Business Data Connectivity Models**

- Configuring BDC Models for Search
- Developing Custom Connectivity Components
- Working with External Events and Notifications
- Lab : Creating and Deploying a .NET Connectivity Assembly

11. **Working with Business Data In Client Applications**

- Working with Business Data in Composite Solutions
- Working with Business Data in Custom Solutions
- Working with Business Data in Client Applications
- Lab : Working with Business Data in Apps for SharePoint

12. Managing and Accessing User Profile Data

- User Profile Data in SharePoint 2013

- Options for Accessing User Profile Data

- Managing User Profile Data

- Managing User Profile Properties

- Lab : Accessing User Profile Data

- Lab : Managing User Profile Properties

13. Developing Microsoft SharePoint Server 2013 Advanced Solutions

- Overview of the Social Workload

- Developing Social Solutions

- Working with Feeds

- Lab : Creating a Social App Part

14. Monitoring and Troubleshooting Custom SharePoint Solutions

- Debugging SharePoint Apps in Visual Studio

- Diagnosing Faults in Deployed Apps

- Testing Performance and Scalability

- Lab : Enabling ASP.NET Tracing