



MS50064A – Advanced SharePoint 2007 Development

Objectif After completing this course, students will be able to: create a SharePoint site that is customized and personalized to the end user, create and run reports, create custom field types to enhance functionality of lists

Pré requis Before attending this course, students must have: MS-4995: Programming with Microsoft .NET Framework Using Microsoft Visual Studio 2005, MS-2542: Advanced Data Access with Visual Studio 2005, MS-2543: Core Web Application Technologies with Microsoft Visual Studio 2005, MS-5060: Implementing Windows SharePoint Services 3.0 2007, MS-5061: Implementing Microsoft Office SharePoint Server 2007

Durée 5 days

Contenu

Module 1: Course Overview

- Introduction
- Course Materials
- Facilities
- Prerequisites
- What We'll Be Discussing

Module 2: Custom Authentication

- SharePoint = ASP.NET Application
- ASP.NET Providers
- Microsoft Single Sign-On

Module 3: SharePoint Permissions

- IIS Application Pools
- SharePoint Windows Groups
- SharePoint Default Groups
- ASP.NET Membership/Role Provider
- Assignable Entities
- Custom Permission Levels
- Permissions
- Site/List/Item Permission Inheritance
- Security Trimmed Interface
- Web Application Policy
- SPSecurity Class
- Single Sign-On

Module 4: In-Browser Customization

- SharePoint UI Overview
- Default.aspx
- Everything Is a List
- Using Web Parts
- Customization Web Parts
- Adding New Pages
- Editing New Pages
- Master Pages
- Themes
- Navigation
- Demonstration: In-Browser Customizations
- Page Layouts
- Content Types
- Content Management Server (CMS)

Module 5: Basic SharePoint Designer

- SharePoint Designer Basics
- Creating/Modifying Existing Sites
- Exploring Team Sites
- Exploring Portal Sites
- Demonstration: SharePoint Designer
- ASP.NET Pages
- SharePoint Designer Editing Features
- Demonstration: SharePoint Designer
- Creating Master Pages
- Demonstration: SharePoint Designer
- Using SharePoint Controls
- Demonstration: SharePoint Designer
- Creating CSS Style Sheets

Module 6: Advanced SharePoint Designer

- Built-In Reports
- Data Views
- Data Sources
- Backup Web Site
- Restore Web Site

Module 7: Content Types

- Content Types Introduction
- Built-In Content Types/ Inheritance
- Content Type Settings
- Site/Content Type Columns
- Document Information Panel
- Workflows
- Custom Content Types

Module 8: Site Definitions

- WSS Built-In Site Definitions
- MOSS Built-In Site Definitions
- CAML
- Custom Site Definitions
- Site Definition Elements
- Site Definition Configuration Element
- SharePoint Solution Generator
- SharePoint Templates
- SharePoint Themes

**Module 9: Features**

- Features Overview
- Types of Features
- Feature Scopes
- Feature Dependencies
- Feature Localization
- Feature Event Receivers
- Creating Features
- Deploying Features
- Activating/Deactivating Features
- Solutions

Module 10: Web Services API

- Web Service APIs
- Why Use Web Services
- Common SharePoint Web Services

Module 11: Web Part Development

- Web Parts
- WSS 2.0 vs. WSS 3.0 Web Parts
- ASP.NET Web Part Class
- Web Part Connections
- Web Part Connections (Interfaces)
- Upgrading your Web Parts to WSS 3.0
- When to use SharePoint Web Part Class
- Web Part Permissions
- Code Access Security (CAS)
- Web Part Performance Hints

Module 12: Client Side Scripts / AJAX

- Client Side Scripts
- Emitting Client Side Scripts
- AJAX Introduction
- Common AJAX Uses
- SharePoint AJAX Support

Module 13: Object Model

- Object Model Overview
- Object Model DLLs
- Using the Object Model
- SPSite vs. SPWeb
- Namespace Changes (2.0 to 3.0)

Module 14: Custom Field Types

- Field Types Introduction
- Built-In Field Types
- Custom Field Types

Module 15: SharePoint Events / Timer Jobs

- SharePoint Event Handler History
- New Events
- More Event Details
- SharePoint Timer Service
- SP JobDefinition Class

Module 16: Shared Services

- Shared Services Features
- Life without Shared Services Features
- Life with Shared Services Features

Module 17: Workflows (SP Designer)

- Built-In WSS/MOSS Workflows
- SharePoint Designer Workflows
- SharePoint Designer Conditions
- SharePoint Designer Actions
- Extending SharePoint Designer Workflows

Module 18: Workflows (Visual Studio)

- Windows Workflow Foundation
- Workflow Persistence
- Workflow Types
- Workflows with Visual Studio
- SharePoint Workflows
- SharePoint Workflows Forms
- Debugging a Workflow
- Comparison of Visual Studio vs. SharePoint Designer

Module 19: ASP.NET Localization

- SP.NET Localization
- Culture and UICulture
- RESX Files
- Implicit vs. Explicit
- SharePoint Resource Files
- Browser Language
- SharePoint Language Packs

Module 20: SharePoint/Microsoft FrontPage RPC

- FrontPage RPC
- SharePoint RPC

Module 21: Excel Services

- Excel Services Trusted Locations
- Excel Services Web Parts
- Excel Services Object Model/Web Services

Module 22: Business Data Catalog

- Application Definition Files
- Business Data Catalog Web Parts
- Business Data Catalog Indexing
- Business Data Catalog with Single Sign-On

Module 23: Business Intelligence

- Report Center
- Key Performance Indicator (KPI)
- Dashboards
- Reporting Services Integration

Module 24: Upgrading WSS 2.0 to 3.0

- Overview
- Prescan.exe
- In-Place Upgrade
- Side-By-Side/ Gradual Upgrade
- Side-By-Side/Gradual Upgrade Steps
- Database Migration Upgrade
- Upgrading Site Definitions
- Migration Issues