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Learning Solutions



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Introduction

Elements of this syllabus are subject to change.

This in-depth instructor-led course provides students with the knowledge of using Windows SharePoint Services 3.0 to create reusable and modular Web sites for use in intranet, extranet, or Internet scenarios. Students will learn how to manage access to information stored within a SharePoint environment, how to perform common object model tasks, and how to create Web parts to customize user interfaces. Participants will also learn how to use Web services for data requests transactions, how to create and deploy event receivers, and how to utilize Windows Workflow Foundation. Audience

Audience profile

Candidates for this exam are consultants who provide consulting services for Microsoft Office SharePoint Server 2007 and corporate developers who use Microsoft Office SharePoint Server 2007. Candidates have the following experience or knowledge:

- Six months to one year of experience developing applications by using Microsoft Office SharePoint Server 2007
- Experience using the following related technologies:
 - The Microsoft .NET Framework at least six months with ASP.NET 2.0)
 - Windows SharePoint Services development (six months to one year)
- Experience working with XML documents
- Experience with XML Web services development and consumption
- Working knowledge of Windows WorkFlow Foundation
- Working knowledge of IIS 6

Course Outline

Course 50046A: Introduction to Development Using Windows SharePoint Services 3.0 (Mindsharp) (two days)

Course 50026: SharePoint 2007 Hands-On Labs (two days)

Module 1: SharePoint Primer: Overview and Enhancements from Earlier Versions

This module introduces Windows SharePoint Services 3.0 by providing an overview of the product architecture and core system features from a developer perspective. This module focuses on the key components of the Windows SharePoint Services 3.0 platform, and also provides a high-level introduction to functionality, which is discussed in greater detail later in this course.

Module 2: Authentication and Authorization

This module explains both authentication and authorization, starting with a comparison of the two and the improvements in Windows SharePoint Services 3.0. It also investigates the various authentication models provided by Microsoft Internet Information Server (IIS): Windows integrated, basic, digest, Microsoft .NET Passport, and anonymous authentication. The latter half of this module introduces the concepts required to manage the security of a SharePoint environment, and shows how to coordinate the many security settings to be as granular as required, yet also have the power to make global security changes to the SharePoint environment. Finally, this module covers ASP.NET 2.0 pluggable authentication, which supports membership and developer-defined role providers.

Module 3: Fundamentals of the Object Model and Web Parts

This module introduces the Windows SharePoint Services 3.0 object model by providing an overview of the common namespaces and classes. It also demonstrates how to perform common object model tasks by providing the basics necessary for creating solutions. The second half of this module focuses on custom components called Web Parts.

Module 4: Web Services

This module explains the benefits of loose coupling and discusses simple Web service scenarios and requirements of service virtualization. It also covers Web service management and the benefits of the Microsoft Web Services Enhancements 3.0. Finally, this module looks at the SharePoint Web services in detail and how core SharePoint functionality has been exposed in Windows applications, in Web applications, and inside SharePoint.

Module 5: Events

This module explains when to use event receivers to accomplish specific tasks within Windows SharePoint Services 3.0 and provides an introduction to the new architecture of event receivers within Windows SharePoint Services 3.0. It also covers the various SharePoint objects that support event receivers and explains the steps needed to create a basic event receiver in Visual Studio.

Module 6: Workflow

This module explains the Windows Workflow Foundation technology and how it exists inside Windows SharePoint Services 3.0. It also covers how to use SharePoint Designer 2007 to build a workflow on your Windows SharePoint Services 3.0 site.

HOL 111: What's New in Microsoft Office SharePoint Server 2007 Feature Walk Through

This lab explains the new features in Microsoft Office SharePoint Server 2007.

HOL 171: Synchronizing Data Between Microsoft Office Groove 2007 and Microsoft SharePoint Products and Technologies

This lab explains how teams can work together in Microsoft Office Groove 2007.

HOL 201: Introducing Content Types for Microsoft Windows SharePoint Services 3.0

This lab explains how to use content types in Windows SharePoint Services 3.0 to define, organize, and manage the metadata and behaviors of a document or item type in a centralized, reusable way.

HOL 203: Microsoft Windows SharePoint Services 3.0 Backup and Restore

This lab explains the enhanced backup and restore options for Windows SharePoint Services 3.0.

HOL 211: Microsoft Office SharePoint Server 2007 People and Permissions

This lab explains new and enhanced people options and permissions options in Microsoft Office SharePoint Server 2007.

HOL 212: Microsoft Office SharePoint Server 2007 Personalization

This lab explains new and enhanced features involving personalization in Microsoft Office SharePoint Server 2007.

HOL 214: Microsoft Office SharePoint Server 2007 Enterprise Features Administration

This lab explains the administration of Office SharePoint Server 2007 Enterprise features.

HOL 215: Microsoft Office SharePoint Server 2007 Records Management Deployment and Configuration

This lab covers the record management capabilities included in SharePoint Server 2007.

HOL 217: Getting Started with Search in Microsoft Office SharePoint Server 2007

This lab explores search options in SharePoint Server 2007.

HOL 221: Understanding the 2007 Microsoft Office System User Experience and Interface Design

The objective of this lab is to become familiar with the new 2007 Microsoft Office Fluent user interface.

HOL 222: Customizing the 2007 Microsoft Office System User Interface for Your Solution

The objective of this lab is to become familiar with the programming model behind the new Office Fluent user interface features of the 2007 Office system.

HOL 223: Understanding the Structure and Solution Capabilities of the Microsoft Office Open XML Formats

The objective of this hands-on lab is to help you become familiar with the new 2007 Office programs' file formats.

HOL 224: Programmatic Manipulation of the Microsoft Office Open XML Formats

The goal of this lab is to show you how you can manipulate Office program documents without using 2007 Office programs.

HOL 231: Developing Solutions Using Microsoft Office Word 2007 Content Controls

This hands-on lab will help you become familiar with the use of content controls in Microsoft Office Word 2007.

HOL 232: Exploring the New, Flexible XML Programmability in Microsoft Office Word 2007

The objective of this hands-on lab is to introduce you to the concepts of the XML data store and XML binding features of Word 2007.

HOL 241: Using Microsoft Office Excel 2007 Spreadsheets for Web Service–Based Calculations and Browser Rendering

This lab introduces you to the ability to publish and work with Microsoft Office Excel 2007 worksheets in Office SharePoint Server 2007.

HOL 251: New Microsoft Office Outlook 2007 Programmability

The objective of this lab is to introduce you to some of the new programmability features that Microsoft Office Outlook 2007 provides.

HOL 261: Microsoft Office InfoPath 2007 Forms Development

This lab explores some of the new development features of Microsoft Office InfoPath 2007.

HOL 262: Building Microsoft Office InfoPath 2007 Forms that Run as Both Rich Client and Browser Applications

The objective of this lab is to become familiar with browser-based scenarios for InfoPath 2007 forms.

HOL 301: Using Features to Provision Sites in Microsoft Windows SharePoint Services 3.0

The objective of this lab is to gain an understanding of the new Features framework in Windows SharePoint Services 3.0.

HOL 302: ASP.NET 2.0 Interoperability with Microsoft Windows SharePoint Services 3.0 - Web Parts and Master Pages

This lab explains the Windows SharePoint Services 3.0 Web Part and Master Pages framework, designed and built on the Microsoft ASP.NET 2.0 Web Part and Master Pages infrastructure.

HOL 303: Creating Workflows for Microsoft Windows SharePoint Services 3.0

In this lab, you will use Microsoft Office SharePoint Designer 2007 to design a custom workflow that is triggered on file creation or change.

HOL 304: Using List Events in Microsoft Windows SharePoint Services 3.0

In this lab, you will create an Event Handler.

HOL 305: Microsoft Windows SharePoint Services 3.0 Site Templates

This lab explains the site template architecture in Windows SharePoint Services 3.0.

HOL 311: Getting Started with the Business Data Catalog in Microsoft Office SharePoint Server 2007

In this lab, you will learn about connecting Office SharePoint Server 2007 to line-of-business applications by using the Business Data Catalog.

HOL 312: Search Administration and Customization in Microsoft Office SharePoint Server 2007

In this lab, you will learn about Search and the Search Center in Office SharePoint Server 2007.

HOL 313: Designing Content-Driven Web Sites with Microsoft Office SharePoint Server 2007

The objective of this lab is to give you an overview of creating content-driven sites within Office SharePoint Server 2007.

HOL 314: Microsoft Office SharePoint Designer 2007 - CSS and the Data Form Web Part

This lab will give the participant an understanding of SharePoint Designer 2007.

HOL 315: Creating and Deploying Microsoft Visual Studio 2005 Workflows for Microsoft Office SharePoint Server 2007

In this lab, you will learn how to build, deploy, and test a Visual Studio workflow in Office SharePoint Server 2007.

HOL 411: Microsoft Office SharePoint Server 2007 Advanced Administration

In this lab, you will learn about advanced options for the SharePoint administrator.

HOL 412: Microsoft Office SharePoint Server 2007 Advanced Authentication

In this lab, you will learn more about the available authentication methods and protocols.

HOL 413: Using Microsoft Windows PowerShell for Administration and Customization of Microsoft Windows SharePoint Services 3.0

This lab explains how to use the Microsoft Windows PowerShell (formerly "Monad").