

Building Data-Driven SharePoint® Applications with SharePoint® Designer 2007: Hands-On - 4 Days

Course 955 Overview

- You Will Learn How To**
- Integrate business data with SharePoint Designer 2007 to enhance site functionality
 - Display dynamic content with Web Parts and external data sources
 - Automate business processes with SharePoint workflows
 - Create custom SharePoint pages with SharePoint Designer
 - Implement InfoPath forms for data collection
 - Deploy and maintain your SharePoint site for continuous accessibility
- Course Benefits** SharePoint sites act as centralized hubs where team members can work together on documents and other business-critical tasks quickly and efficiently. SharePoint Designer is a visual tool that allows for the customization of SharePoint applications. This course provides the knowledge and skills necessary to maximize SharePoint and maintain a dynamic and data-centric content SharePoint site.
- Who Should Attend** SharePoint users, administrators, Web developers and others who want to build SharePoint sites using multiple data sources and workflow integration. Basic knowledge of SharePoint site structure at the level of Course 538, "SharePoint 2007 Technologies Comprehensive Introduction," is helpful but not required.
- Hands-On Training** Throughout a case study, you gain extensive hands-on experience creating SharePoint sites with SharePoint Designer 2007. Exercises include:
- Building WSS and MOSS sites with SharePoint Designer
 - Highlighting data views through traffic light colors
 - Creating dashboards with multiple data sources
 - Implementing business processes with custom workflows
 - Creating custom forms with ASP.NET controls
 - Incorporating InfoPath for forms management
 - Migrating to production and monitor site usage
 - Extending SharePoint with third-party tools

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Course 955 Outline

Overview of SharePoint

- Defining WSS and MOSS
- Building site collections and configuring Web Parts
- Maximizing lists, document libraries and templates
- Extending SharePoint functionality with SharePoint Designer

Harnessing the Power of SharePoint Designer

Defining SharePoint site structure

- Analyzing the site architecture
- Identifying site components
- Delving into the 12 Hive
- Modifying Master Pages

Navigating the interface

- Tool bars
- Menus
- Task Panes
- Customizing with preferences and task pane layouts

Rendering Views with Data Sources

Enhancing Data View Output

- Working with SharePoint Wizard to format data
- Conditionally formatting Data Views
- Creating calculated column values
- Building "traffic light" Data Views
- Formatting pages with XSLT

Implementing Master Detail relationships

- Filtering related information
- Linking data sources within a DataForm

Integrating Data Sources

Establishing data connections

- Connecting to SharePoint Data Stores
- Managing data source content

Working with external data

- Accessing relational databases
- Consuming Web services
- Connecting to InfoPath documents

Streamlining Business Processes

Establishing workflows

- Identifying workflow processes

- Leveraging workflow types: linear, state and rule based
- Hosting workflows on the Web
- Initiating workflow with lists and document libraries

Building custom workflows

- Modifying existing workflows
- Creating new workflow steps
- Utilizing parallel workflow execution
- Maintaining state with workflow variables
- Adding business logic

Automating Business Process in SharePoint

- Triggering workflows on list changes
- Notifying workflow participants with e-mail and task lists

Tracking workflow activity

- Viewing workflow reports
- Handling errors

Incorporating Custom Forms

Creating user interfaces

- Integrating ASP.NET components with SharePoint
- Text boxes
- Radio buttons
- List boxes

Collecting data with Forms

- Enforcing input with validation controls
- Saving data to SharePoint

Implementing InfoPath

Customizing InfoPath Forms

- Transforming manual Forms to InfoPath Forms
- Generating Forms from templates
- Creating custom Forms

Incorporating InfoPath for data collection

- Publishing Forms to SharePoint
- Triggering workflows with InfoPath Forms
- Managing Forms data

Migrating Sites for Deployment

Selecting methods for deployment

- Creating a site template
- Deploying with SharePoint Designer site backup

Maintaining your site

- Securing ASP pages with document libraries
- Monitoring utilization reports

Extending SharePoint Applications

- Effectively applying third-party tools
- Optimizing SharePoint with the Chart Plus Web Part
- Integrating data with Mash Point