

Building Applications and Workflows with SharePoint® Designer 2010: Hands-On - 4 Days

Course 1505 Overview

You Will Learn How To

- Build custom SharePoint business solutions with SharePoint Designer 2010
- Leverage SharePoint Designer 2010 features to extend SharePoint sites
- Aggregate SharePoint lists and integrate data from multiple sources to build robust site dashboards
- Manage site content with lists and libraries through SharePoint Designer
- Automate complex business processes with SharePoint workflows
- Create forms and capture data for workflows and data storage

Course Benefits

SharePoint Designer 2010 allows organisations to extend the capabilities of SharePoint beyond out-of-the-box functionality to build powerful data-driven pages, composite applications and workflows. This course provides the knowledge and skills necessary to maximise SharePoint without the need to write application-level code.

Who Should Attend

Anyone responsible for creating, building or managing SharePoint 2010 sites. Basic knowledge of SharePoint site structure at the level of Course 1501, "SharePoint 2010 Technologies Comprehensive Introduction", or experience with a previous version of SharePoint, is assumed.

Hands-On Training

Throughout an in-depth case study, you gain extensive hands-on experience creating SharePoint sites with SharePoint Designer 2010. Exercises include:

- Enhancing site functionality by editing content and master pages
- Creating data views with custom formatting
- Building a dashboard with data from relational data sources utilising the XSLT List View Web Part
- Streamlining tasks with workflow
- Building reusable workflows
- Leveraging external content types
- Creating and editing a form

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Course 1505 Outline

SharePoint 2010 Introduction

Overview of SharePoint technologies

- Comparing and contrasting SharePoint Foundation with SharePoint Server
- Setting SharePoint Designer restrictions and Central Administration
- Establishing metadata fields with document sets, internal and external Content Types
- Exploring Web applications and site collections

Developing a business case study

- Utilising lists, libraries and Web Parts
- Setting standards with site templates

Customising Web Sites with SharePoint Designer 2010

Exploring new features in SharePoint 2010

- Navigating through the site with the Ribbon interface
- Leveraging lists and content type editors

Modifying SharePoint sites

- Editing Content and Master pages
- Applying global changes via the 14 Hive
- Adding Web Parts and customising Web Part Zones

Displaying Information with Data Views

Managing content

- Identifying list and library metadata
- List management via SharePoint Designer
- Utilising site columns
- Building reusable content types
- Connecting to external content types
- Using external content types as metadata for lists

Creating data views and aggregation

- Displaying list data using the Data View Web Part
- Enabling browser-based editing with the XSLT List View Web Part
- Aggregating information in a data view
- Linking and merging data sources
- Accessing external lists

Data formatting for usability

- Applying conditional formatting to highlight data
- Adding custom fields and customising data views

Connecting to External Data Sources Working with relational data

- Leveraging relational database information
- Retrieving data via stored procedures and views
- Merging data to create a dashboard

Gathering XML data sources

- Consuming Web Services and server-side scripts
- Connecting to REST feeds

Business Connectivity Services (BCS)

- Utilising external content types
- Centralising security through BCS

Automating Business Processes with Workflow

Analysing business requirements

- Establishing business rules through branching logic
- Executing workflows in parallel and serial
- Identifying lists required in the workflow process
- Assigning tasks to participants

Building workflows

- Creating workflow actions and steps
- Controlling execution with variables, forms and form data
- Triggering workflows with changes, additions and conditions
- Leveraging Visio to build workflows
- Exporting workflows to Visual Studio for added flexibility

Monitoring workflow activity

- Tracking workflow status through Association Columns
- Handling errors and logging events
- Triggering a workflow via InfoPath
- Creating site workflows
- Utilising association columns

Refining Web Applications with SharePoint Designer Components

Accessing databases

- Adding, deleting and updating data
- Validating user input
- Displaying one-to-many relationships

Implementing InfoPath

- Generating forms from templates
- Creating custom forms
- Starting workflows from InfoPath