

# Microsoft SharePoint 2010: Web Content Management

## Table of Contents

INTRODUCTION.....	INTRO-1
Prerequisites.....	INTRO-2
Installing the Practice Files.....	INTRO-3
Software Requirements.....	INTRO-3
Configuring the Environment.....	INTRO-3
Install Visual Studio, Office, and SharePoint Designer.....	INTRO-20
Conventions in XML Samples.....	INTRO-21
About the Author.....	INTRO-22
INTRODUCTION TO SHAREPOINT PUBLISHING.....	1-1
Web Content Management.....	1-2
Public Sites Using SharePoint WCM.....	1-3
Creating a SharePoint Publishing Site.....	1-5
Two Publishing Templates.....	1-6
Creating Pages.....	1-11
Try It Out!.....	1-11
The Pages Library.....	1-14
Editing a Page.....	1-15
Using the Ribbons.....	1-17
Field Controls.....	1-19
Editing Tools Ribbon.....	1-25
Format Text.....	1-25
Styles.....	1-31
Markup Styles.....	1-33
Images.....	1-35
Tables.....	1-41
Links.....	1-44
Web Parts.....	1-47
Video and Audio.....	1-51
Reusable Content.....	1-55
Edit HTML.....	1-60
Using the Page Ribbon.....	1-62
Page History.....	1-62
Setting the Homepage.....	1-64
Incoming Links.....	1-65

Managing Content and Structure .....	1-66
Publishing .....	1-71
Page Actions .....	1-71
Draft Check .....	1-71
Publish Ribbon .....	1-72
LAB 1: INTRODUCTION TO SHAREPOINT PUBLISHING .....	1-77
Lab 1 Overview .....	1-78
Create a Publishing Site .....	1-79
Create a Page .....	1-83
Edit a Page .....	1-86
SITE DESIGN AND ADMINISTRATION .....	2-1
The SharePoint Farm .....	2-2
Physical Environment .....	2-2
The API Architecture .....	2-2
Web Application .....	2-3
Authentication .....	2-8
Web Application General Settings .....	2-30
Site Collection .....	2-35
Sites .....	2-35
SharePoint Hierarchy .....	2-36
Managed Paths .....	2-37
Creating Sites with the Object Model .....	2-43
Additional Considerations .....	2-49
Host Headers and Vanity URLs .....	2-52
Hosts File and DNS .....	2-52
Alternate Access Mappings .....	2-52
Object Cache User Accounts .....	2-59
Features .....	2-65
Service Applications .....	2-69
Timer Service .....	2-72
Logging .....	2-75
LAB 2: SITE DESIGN AND ADMINISTRATION .....	2-81
Lab 2 Overview .....	2-82
Create a Web Application .....	2-83
Examine Web Application General Settings .....	2-89
Create Site Collections and Sites .....	2-94

Use Hosts to Create a Custom URL.....	2-100
APPLYING BRANDING.....	3-1
The Publishing Infrastructure.....	3-2
SharePoint Server Publishing Infrastructure Feature .....	3-3
Publishing Infrastructure Site Collection Elements .....	3-3
SharePoint Server Publishing Feature.....	3-6
Publishing Site Elements .....	3-7
Branding Publishing Sites.....	3-13
Themes .....	3-13
Custom Styles.....	3-16
CssRegistration and CssLink.....	3-17
Publishing Layouts.....	3-17
Styles in a Publishing Page .....	3-19
The Style Library.....	3-20
NightAndDay.master, ArticleLeft.aspx .....	3-21
Style Sheets.....	3-22
Setting the AlternateCssUrl Property .....	3-22
Managing Images .....	3-23
Tying Everything Together.....	3-24
Master Page Basics.....	3-33
Content Pages .....	3-33
Master Pages in Publishing Portal .....	3-33
Site Master Page Settings .....	3-33
Master Pages and Page Layouts.....	3-37
Editing Master Pages.....	3-37
Structure of NightAndDay.master .....	3-37
Branding and Authoring.....	3-52
Custom Editor Styles .....	3-52
LAB 3: APPLYING BRANDING.....	3-63
Lab 3 Overview.....	3-64
Activate Publishing on a Blank Site .....	3-65
Use AlternateCssUrl and CssRegistration.....	3-71
Add Top Navigation to Night And Day .....	3-80
CONTENT TYPES AND PAGE LAYOUTS.....	4-1
SharePoint Data Structures .....	4-2
Site Columns.....	4-2
Content Types.....	4-12

Associating Content Types with the Pages Library.....	4-23
Page Layouts.....	4-26
Creating a Page Layout in SharePoint Designer .....	4-26
Recommendations for new Page Layouts .....	4-29
Using EditModePanel .....	4-36
Deploying Page Layouts with Features .....	4-39
Extracting Page Layouts and Other Branding Assets.....	4-40
LAB 4: CONTENT TYPES AND PAGE LAYOUTS .....	4-55
Lab 4 Overview.....	4-56
Create a Site Column .....	4-57
Create a Site Content Type .....	4-60
Create a Page Layout.....	4-64
MANAGING AND DELIVERING CONTENT .....	5-1
SharePoint Permissions .....	5-2
Permission Levels.....	5-2
Additional Permission Levels in Publishing.....	5-3
Core SharePoint Groups.....	5-4
Additional Groups in Publishing.....	5-4
User Roles on Publishing Sites.....	5-5
Anonymous Access .....	5-17
Extranet Site Creation.....	5-23
Zones .....	5-23
Check Out, Versioning, and Approval.....	5-28
Checking Items In and Out .....	5-28
Document and Item Versioning.....	5-28
Approval Processes .....	5-29
Submitting a Page for Approval .....	5-30
Audience Targeting.....	5-36
Scheduling.....	5-40
Content Deployment .....	5-45
Enabling Content Deployment .....	5-45
Paths and Jobs .....	5-45
Destination Site.....	5-46
Quick Deployment.....	5-46
LAB 5: MANAGING AND DELIVERING CONTENT .....	5-61
Lab 5 Overview.....	5-62
Configure and Use Security in Publishing .....	5-63

Configure Anonymous Access.....	5-77
Understand Versioning and Approval Settings .....	5-83
SEARCH AND NAVIGATION.....	6-1
SharePoint Search Capabilities .....	6-2
Content Sources .....	6-2
Search Centers.....	6-11
Basic Search Center .....	6-11
Enterprise Search Center .....	6-11
Branding Basic Search Center.....	6-20
Navigation.....	6-31
Navigation Settings .....	6-31
Common Strategies for Large Sites.....	6-41
Custom Navigation Systems.....	6-41
LAB 6: SEARCH AND NAVIGATION .....	6-55
Lab 6 Overview.....	6-56
Perform a Search.....	6-57
Use Search Centers .....	6-65
Configure Navigation Settings .....	6-74
DISPLAYING CONTENT.....	7-1
Displaying Content.....	7-2
XSL Primer .....	7-3
XPath .....	7-3
XPath Functions.....	7-4
XSL Templates .....	7-4
XML Viewer Web Part.....	7-6
Content Query Web Part .....	7-16
Improvements in 2010 .....	7-16
Customizing CQWP Output .....	7-26
JavaScript/ECMAScript .....	7-31
Client Object Model.....	7-31
jQuery .....	7-31
Getting Script into Pages .....	7-32
ExecuteOrDelayUntilScriptLoaded .....	7-32
LAB 7: DISPLAYING CONTENT .....	7-43
Lab 7 Overview.....	7-44
Use the XML Viewer Web Part .....	7-45

Use the Content Query Web Part .....	7-54
Use JQuery and the Client Object Model .....	7-60
CREATING A PUBLISHING SITE DEFINITION .....	8-1
Site Definition Basics .....	8-2
Web Template.....	8-2
Publishing Portal Definition .....	8-3
Creating a Custom Site Definition.....	8-7
Site Template.....	8-17
Site Template Names .....	8-17
Onet.xml.....	8-20
Project Element.....	8-23
NavBars Element .....	8-23
DocumentTemplates Element.....	8-24
Modules Element .....	8-25
Configurations Element.....	8-26
Feature Elements.....	8-27
Lists Element .....	8-27
Site Features—Direct Activation .....	8-35
PublishingSite Feature (SharePoint Server Publishing Infrastructure).....	8-36
PublishingPrerequisites Feature .....	8-37
PublishingResources Feature .....	8-37
PublishingLayouts Feature .....	8-37
Getting Rid of NightAndDay.master.....	8-38
Web Features .....	8-52
Configuring Behavior via Features.....	8-52
PublishingResources Feature .....	8-52
Publishing Feature .....	8-53
NavigationProperties Feature .....	8-54
Feature Stapling .....	8-59
LAB 8: CREATING A PUBLISHING SITE DEFINITION.....	8-65
Lab 8 Overview.....	8-66
Create a Custom Site Definition .....	8-67
Add a Template with Configurations.....	8-76
Add an Onet.xml File .....	8-79
INDEX.....	INDEX-1