

Index

A

accessing

- document libraries, 84
- Feature collections, 26
- lists, 206-209
 - BDC data in, 59-62
 - item values, 53
- site collection information, 41
- web information, 45

activating Features, 25, 29-30

Add Reference dialog box, 19

Add() method

- EventReceivers collection, 77
- Solutions collection, 32
- SPFeatureDefinitionCollection class, 31
- SPMeeting class, 103

AddColleague() method, 308

Added property (SPSolution class), 33

AddGroup() method, 315

AddGroupToRole() method, 315

adding

- Assemblies to GAC, 181
- Global Assembly Cache, 236
- JavaScript to Web Parts, 204
- record routing rules, 370
- setup projects, 235
- Web controls to Web Parts, 199
- Web Custom Controls, 166
- Web Parts to Web Part pages, 339-341
- web references, 287
- user profiles to groups, 145

AddLink() method, 308

AddMeeting() method, 298

AddMeetingFromCal() method, 299

AddMembership() method, 308

AddPinnedLink() method, 308

AddRole() method, 315

AddRoleDef() method, 315

AddUserCollectionToGroup() method, 315

AddUserCollectionToRole() method, 315

AddUserToGroup() method, 315

AddUserToRole() method, 315

AddWebPart() method, 338

AddWebPartToZone() method, 338

AddWorkflowAssociation() method, 55

AdventureWorks SQL database, 113

AfterProperties property

- (SPItemEventProperties class), 74

AfterUrl property (SPItemEventProperties class), 74

- agenda fields (Meeting Workspaces), 304
- alerts, viewing, 379-382
- Alerts property (SPWeb class), 42
- Alerts Web Service, 379-382
- AlertTemplate property (SPList class), 48-49
- AllowAnonymousAccess property (SPWeb class), 42
- AllowContentTypes property (SPList class), 48
- AllowDeletion column (lists), 275
- AllowDeletion property (SPList class), 48
- AllowEveryoneViewItems property (SPList class), 48
- AllowMultiResponse property (UpdateList() method), 278
- AllowMultiResponses column (lists), 275
- AllowMultiResponses property (SPList class), 48
- AllowRssFeeds property
 - SPList class, 48
 - SPSite class, 36
 - SPWeb class, 42
- AllowUnsafeUpdates property
 - SPSite class, 36
 - SPWeb class, 42
- AllProperties property (SPWeb class), 42
- AllUsers property (SPWeb class), 42
- AllWebs property (SPSite class), 36
- AlternateCssUrl property (SPWeb class), 42
- AlternateHeader property (SPWeb class), 42
- AlterTask() method, 365
- AlterToDo() method, 360
- AnonymousPermMask column (lists), 274
- AnonymousState property (SPWeb class), 42
- APIs (Application Programming Interfaces)
 - BDC administration, 121-123
 - BDC runtime, 124
 - data access, 126-131
 - direct method execution, 131-132
 - metadata, querying, 124-126
- AppearanceEditorPart control, 174
- applications
 - alerts viewing, 379-382
 - BDC, configuring, 111-114
 - console
 - creating, 21-22
 - deploying, 22-23
 - ExcelServicesHelloWorld, 326-328
 - Feature Enumerator, 29
 - list items, 281-282
 - ListRetriever, 276-277
 - photo album browser, 267-272
 - reading/writing ranges and saving temporary workbooks, 329-332
 - remote, 18
 - server, 17-18
 - web
 - hierarchy, 36
 - site collections, listing, 35
 - Windows Forms
 - DocLibPicker.cs, 89-90
 - Form1.cs, 86-88
- ApplyTheme() method, 44
- ApplyWebTemplate() method, 44
- approval workflows, 148
- Approve() method, 94
- approving files, 94
- architecture (Excel Services), 323
 - Calculation Services, 324
 - Web Access, 324
 - Web service, 325
 - hello world example, 326-328
 - methods, 325-326
 - multiple named ranges client application example, 328-329
 - reading/writing ranges and saving temporary workbooks application, 329-332
 - trusted locations, configuring, 326
- ASP.NET
 - server controls
 - building, 166-168
 - extending, 168-172
 - saving to ViewState, 170-172
 - user controls, compared, 163-166
 - user/server control integration, 184
 - Web Parts
 - accessing lists, 206-209
 - attributes, 194-195
 - connected. See connected Web Parts
 - controls, 173
 - creating, 178-181
 - debugging, 234
 - design mode, 177
 - entering data into lists, 210
 - functionality, 197
 - HelloWorld example, 179-180
 - importing, 188
 - integration, 174
 - JavaScript, adding, 204
 - layout, 197
 - managing, 175-176
 - postbacks, 203
 - properties, 191-196
 - providers, 217
 - rendering in browsers, 199

- SharePoint integration, 185-188
- SharePoint Web Parts, compared, 185
- SimpleLoanCalculator, 192-194
- SQLExecute example, 197-203
- System.Web.dll file reference, 178
- template, 198-199
- testing, 181-183
- third-party tools, 183
- time sheet list example, 205
- Timesheet Entry Web Part example
 - listing, 210-213
 - updating lists, 209-215
 - web controls, adding, 199
 - zones, 178

assemblies

- adding to GAC, 181
- PublicKeyToken, retrieving, 186
- references, testing, 21-22
- strong naming, 180

AssociateWorkflowMarkup() method, 338**associations**

- BDC entities, 110
- workflows, 150

Attachments property (SPListItem class), 51**attendance (meetings), 302-303****attendee responses (meetings), 105****attributes**

- ConnectionConsumer, 223
- ConnectionProvider, 220
- Web Part properties, 194-195

Audit property

- SPFolder class, 86
- SPList class, 48
- SPListItem class, 51
- SPSite class, 36
- SPWeb class, 42

authentication

- BDC, 110-111
- web services, 299

AuthenticationMode property (SPWeb class), 42**Author column (lists), 274****Author property**

- SPFile class, 84
- SPWeb class, 42

AvailableContentTypes property (SPWeb class), 42**B****BackColor property (TextBox class), 168****BaseTemplate property (SPList class), 48****Basetype column (lists), 274****BaseType property (SPList class), 48****batch file for installation, 158-159****BDC (Business Data Catalog), 59, 109, 347**

- administration API, 121-123
- applications, 111-114
- authentication, 110-111
- benefits, 111
- columns in custom lists, 118-119
- compatible web services, 132
- disadvantages, 111
- entities, 110

- actions, 117-118

- associations, 110

- enumerating, 350-351

- finding, 117, 126-132

- methods, 110

- Field Resolver Web Service, 355-356

- fields, enumerating, 355-356

- filter descriptors, enumerating, 354

- ID enumerators, 110

- Line of Business system

- enumerating, 349

- properties, 348

- lists, 59-62

- metadata, querying, 124-126

- methods

- enumerating, 352-353

- instances, 351

- overview, 347-348

- relational data, exposing, 133

- runtime API, 124

- data access, 126-131

- direct method execution, 131-132

- metadata, querying, 124-126

- Web Parts, 114-116

- Web Service, 348

- entities, enumerating, 350-351

- filter descriptors, enumerating, 354

- Line of Business systems, 348-349

- methods, 351-353

BeforeProperties property

- (SPLItemEventProperties class), 74

BeforeUrl property (SPLItemEventProperties class), 74**BehaviorEditorPart control, 174****binary representations (files), 94****breakpoints (Web Parts), 231-233****BreakRoleInheritance() method**

- SPList class, 55

- SPListItem class, 57

btnExecuteSQL control, 202**building**

- BDC compatible web services, 132
- consumer Web Parts, 221-223
- document library explorer, 86
 - DocLibPicker.cs, 89-90
 - Form1.cs, 86-88
- provider Web Parts, 217
 - data interface, 218
 - Web Part, creating, 21-220
- server controls, 166-168
- workflows, 150
 - designing forms, 151-153
 - modeling, 153-155
 - typical roadmap, 150

built-in style sheets, 213**Business Data Actions Web Part, 114****Business Data Catalog. See BDC****Business Data Item Builder Web Part, 115****Business Data Item List Web Part, 114****Business Data Item Web Part, 114****Business Data Related List Web Part, 115****C****Calculate() method (Excel Services Web Services), 325****CalculateA-1() method (Excel Services Web Service), 325****CalculateWorkbook() method (Excel Services Web Service), 325****calendar events, 105****CAML (Collaborative Application Markup Language), 5**

- comparison operators, 6
- FieldRef extraction utility, 7-8
- list items, querying, 8-11, 62-64, 287-288
- queries, creating, 6
- U2U CAML Query Builder, 11

Cancel() method, 104**Cancel property**

- SPItemEventProperties class, 74
- SPListEventProperties class, 71

CancelRequest() method, 325**CanCreateDwsUrl() method, 242****CanReceiveEmail property (SPList class), 48****CatalogZone control, 173, 178****CatchAccessDeniedException property (SPSite class), 36****CertificationDate property (SPSite class), 36****change log query for user profiles, 140-142****change tokens (user profiles), 314****CheckedOutBy property (SPFile class), 84****CheckedOutDate property (SPFile class), 84****CheckForPermissions() method, 38****CheckIn() method, 91, 94****CheckInComment property (SPFile class), 84****checking in/out files, 91-94****CheckOut() method, 91, 94****CheckOutExpires property (SPFile class), 84****CheckOutStatus property (SPFile class), 84****CheckSubWebAndList() method, 257****child/parent relationships (lists), 64**

- content types, creating, 65
- hierarchical, traversing, 66-67

choice list properties (user profiles), 144**claiming workflow tasks, 366****ClaimReleaseTask() method, 360, 366****classes**

- document libraries, 84
- ExpandingTextBox, 170
- Features, 26
- GenericWebPart, 184
- ListMetaLogger, 72-73
- MembershipManager, 145
- object model, 16
- ProfilePropertyCollection, 143
- SPChangeToken, 314
- SPContext, 21
- SPEventReceiverBase, 70
- SPFarm, 27-29
- SPFeatureDefinitionCollection, 31
- SPFile
 - CheckIn() method, 91
 - CheckOut() method, 91
 - methods, 94
 - properties, 84-85
 - SaveBinary() method, 93
 - submitting files to records repositories, 373-374
- SPFolder
 - methods, 94
 - properties, 86
- SPItemEventProperties, 74
- SPItemEventReceiver, 69
- SPList
 - enumerating lists, 50-51
 - methods, 55
 - properties, 48-50
- SPListEventProperties, 71
- SPListEventReceiver, 70

- SPListItem
 - list contents, viewing, 52
 - list item values, accessing, 53
 - methods, 57
 - properties, 51
 - Update method, 214
- SPMeeting, 99
 - Add() method, 103
 - Cancel() method, 104
 - LinkWithEvent() method, 105
 - SetAttendeeResponse() method, 105
 - Update() method, 104-105
- SPSite, 35-36
 - accessing site collection information, 41
 - creating site collections, 39-41
 - Features property, 27
 - instance of, creating, 27-29
 - methods, 38
 - properties, 36-38
 - updating site collections, 42
- SPSiteCollection, 35-36
- SPSolution, 32
 - deploy methods, 34
 - properties, 33
- SPWeb, 36, 42
 - accessing webs information, 45
 - creating webs, 44-45
 - Delete method, 99
 - Features property, 27
 - methods, 44
 - properties, 42-43
 - updating webs, 46
- SPWebApplication, 35-36
- SPWebPartManager, 185
- SPWorkflow, 365
- TextBox, 166
- UserProfileManager, 135, 143
- WebControl, 166
- WebPart, 185
- WebPartManager
 - static connection properties, 224
 - Web Parts, connecting, 223
- WebPartZone, 185
- Close() method**
 - SPSite class, 38
 - SPWeb class, 44
- CloseWorkbook() method, 325**
- coding workflows, 155-156**
- Collaborative Application Markup Language.**
See CAML
- collections**
 - EventReceivers, 77
 - Features, 26
 - Solutions, 32
 - SPFeaturePropertyCollection, 30
- columns**
 - custom BDC lists, 118-119
 - lists, 274-275
 - Meeting Series, 300
- comparison operators (CAML), 6**
- Compatibility() method, 338**
- compiling setup projects, 237**
- compliance. See records repositories**
- configuring**
 - BDC applications, 111-114
 - development environment, 18-19
 - local, 19-20
 - remote, 20-21
 - domain-level trusts, 151
 - Excel Services trusted locations, 326
 - feature.xml file, 156-157
 - install.bat file, 158-159
 - Records Center connections, 370
 - setup projects, 236
 - workflow.xml file, 157
- ConfirmUsage() method, 38**
- connected Web Parts**
 - connecting, 223-226
 - consumers, 221-223
 - providers, 217-220
- ConnectionConsumer attribute (SetCustomer() method), 223**
- ConnectionProvider attribute (GetCustomerID() method), 220**
- console applications**
 - creating, 21-22
 - deploying, 22-23
- consumer Web Parts, 221-226**
- ConsumerConnectionPoint property (WebPartManager class), 224**
- ConsumerID property (WebPartManager class), 224**
- ContainingDocumentLibrary property (SPFolder class), 86**
- Contains element, 6**
- ContainsCasPolicy property (SPSolution class), 33**
- ContainsGlobalAssembly property (SPSolution class), 33**
- ContainsWebApplicationResource property (SPSolution class), 33**

content types

- creating, 65
- event receivers, deploying, 81
- hierarchical list items, querying, 283-285
- Order Item, 65
- Order Parent, 65

ContentDatabase property (SPSite class), 36

ContentType property (SPListItem class), 51

ContentTypes property

- SPList class, 48
- SPWeb class, 42

ContentTypesEnabled property (SPList class), 48

Context property (SPItemEventProperties class), 74

controls

- server, 184
 - ASPNET integration, 184
 - building, 166-168
 - extending, 168-172
 - saving to ViewState, 170-172
 - user controls, compared, 163-166
- SQLExecute Web Part, 202
- user
 - ASPNET integration, 184
 - information collection user control, 164-165
 - server controls, compared, 163-166
- Web Part, 173
 - adding, 199
 - CatalogZone, 178
 - WebPartManager, 175-176
 - WebPartZones, 178

Convert() method, 94

converting files, 94

ConvertWebPartFormat() method, 338

Copy() method, 57

CopyDestinations property (SPListItem class), 51

copying files/folders, 94

CopyTo() method, 94

core objects, 207

CorrelationToken property, 155

Create() method, 143

Create New Item interface, 210

Create, Retrieve, Update, and Delete (CRUD), 274

CreateChildControls() method, 199, 202-203

Created column (lists), 274

Created property

- SPList class, 48
- SPWeb class, 42

CreateDws() method, 242

CreateMemberGroup() method, 308

CreateNewFolder() method, 257, 263-264

CreateUserProfile() method, 143

CreateUserProfileByAccountName() method, 308

CRUD (Create, Retrieve, Update, and Delete), 274

Current property (SPContext object), 207

CurrentChangeToken property

- SPList class, 48
- SPSite class, 36

CurrentUser() method, 315

CurrentUser property (SPWeb class), 43

CurrentUserId property (SPItemEventProperties class), 74

CustomerId property (ISelectedCustomer interface), 218

customizing. See **modifying**

D

data entry (lists), 210

DataSourceControl() method, 338

DateRangesOverlap element, 6

deactivating Features, 29-30

DeadWebNotificationCount property (SPSite class), 37

debugging Web Parts, 229-230

- breakpoints, setting, 231-233
- common SharePoint server, 234
- development workstations, 229-230
- local SharePoint server, 234
- Visual Studio 2005, 230-231
- Web Part library, compiling, 231
- without SharePoint or WSS, 233

decision fields (Meeting Workspaces), 304

DeclarativeCatalogPart control, 174

DefaultItemOpen property (SPList class), 48

DefaultView property (SPList class), 48

DefaultViewUrl column (lists), 274

DefaultViewUrl property (SPList class), 48

Delete() method

- Imaging Web Service, 257, 263
- SPFile class, 94
- SPFolder class, 94
- SPList class, 55
- SPListItem class, 57
- SPSite class, 38
- SPWeb class, 44, 99

DeleteWebPart() method, 338

DeleteWorkspace() method, 297

deleting

- Document Workspaces, 243-244, 248
- Feature definitions, 31
- files, 94

- folders, 94
- images, 263
- list items, 56-57, 281-282
- lists, 53-55
- Meeting Workspaces, 296-297
- meetings, 104, 300-301
- Solutions, 32
- views, 289
- Deny() method, 94**
- denying files, 94**
- Deploy() method, 34**
- Deployed property (SPSolution class), 33**
- DeployedServers property (SPSolution class), 33**
- DeployedWebApplications property (SPSolution class), 33**
- deploying**
 - console application, 22-23
 - event receivers
 - content types, 81
 - Features, 77-79
 - programmatically, 77
 - Solutions, 34
 - Web Parts, 235
 - compiling setup project, 237
 - configuring setup project, 236
 - MSI-based, 235
 - setup projects, adding, 235
 - workflows, 156-159
- DeploymentState property (SPSolution class), 33**
- Description column (lists), 274**
- Description property**
 - SPList class, 48
 - SPWeb class, 43
 - UpdateList() method, 278
- designing workflow forms, 151-153**
- development environment**
 - configuring, 18-19
 - local, 19-20
 - remote, 20-21
- Direction column (lists), 274**
- Direction property**
 - SPList class, 48
 - UpdateList() method, 278
- DisplayName property (SPListItem class), 51**
- Dispose() method, 38**
- DocLibPicker.cs Windows Forms application, 89-90**
- DocTemplates property (SPWeb class), 43**
- DocTemplateUrl column (lists), 274**
- document libraries**
 - accessing, 84
 - classes, 84

- documents, 84
- explorer, building, 86
 - DocLibPicker.cs, 89-90
 - Form1.cs, 86-88
- overview, 83
- SPFile class, 84-85
- SPFolder class, 86
- uploading documents, 84
- Document Workspaces**
 - creating, 242-244
 - data, retrieving, 244-246
 - deleting, 243-244
 - document ID storage, 251-252
 - folders, 248
 - metadata, retrieving, 246-247
 - overview, 241
 - URLs, validating, 242
 - users, managing, 253
- documents**
 - uploading to document libraries, 84
 - versioning, 91-93
- DoesUserHavePermissions() method**
 - SPList class, 55
 - SPListItem class, 57
 - SPSite class, 38
- domain-level trusts, 151**
- Download() method, 257, 262**
- downloading images to picture libraries, 262**
- DraftVersionVisibility property (SPList class), 48**

E

- ECS (Excel Calculation Services), 324**
- Edit in DataSheet interface, 210**
- EditorZone control, 174**
- elements**
 - Contains, 6
 - DateRangesOverlap, 6
 - Eq, 6
 - FieldRef, 6-8
 - Geq, 6
 - IsNotNull, 6
 - IsNull, 6
 - Leq, 6
 - Lt, 6
 - Neq, 6
- Elements.xml file, 78-79**
- EmailAlias column (lists), 275**
- EmailAlias property (SPList class), 48**
- EmailInsertsFolder column (lists), 275**
- EnableAssignedToEmail property (UpdateList() method), 278**

EnableAttachments column (lists), 275

EnableAttachments property

SPList class, 49

UpdateList() method, 278

EnableFolderCreation property (SPList class), 49

EnableMinorVersions property (SPList class), 49

EnableMinorVersion column (lists), 275

EnableModeration column (lists), 275

EnableModeration property

SPList class, 49

UpdateList() method, 278

EnableVersioning column (lists), 275

EnableVersioning property

SPList class, 49

UpdateList() method, 278

entities

BDC, 110

actions, 117-118

associations, 110

finding, 117, 126-132

methods, 110

LOB, enumerating, 350-351

EntityStruct struct, 350

enumerating

Feature definitions lists, 27-29

Features, 27-29

fields, 355-356

filter descriptors, 354

Line of Business systems, 349

lists, 48-51

contents, 51-53

item values, 53

LOB system entities, 350-351

methods, 352-353

picture libraries, 258

Solutions, 32-33

Eq element, 6

ErrorMessage property

SPLItemEventProperties class, 74

SPListEventProperties class, 71

Event property (SPList class), 49

EventReceivers collection, 77

EventReceivers property

SPFile class, 85

SPWeb class, 43

events

calendar, 105

handlers, 69

lists, 71, 75

receivers

creating, 70

deploying, 77-81

lists, 70-76

EventSinkAssembly column (lists), 275

EventSinkClass column (lists), 275

EventSinkData column (lists), 275

EventType property

SPLItemEventProperties class, 74

SPListEventProperties class, 71

EWA (Excel Web Access), 324

Excel Services

application logic, 322

architecture, 323-325

business intelligence, 322

Calculation Services (ECS), 324

overview, 322

user-defined functions, creating, 332-335

user-defined libraries, 334

Web Services, 325

hello world example, 326-328

methods, 325-326

multiple named ranges client application

example, 328-329

reading/writing ranges and saving temporary workbooks application, 329-332

trusted locations, configuring, 326

workbook management, 322

Excel Web Access (EWA), 324

ExcelServicesHelloWorld application, 326-328

ExecuteProxyUpdates() method, 338

Exists() method, 38

Exists property

SPFile class, 85

SPFolder class, 86

expanding TextBox control listing, 169-170

ExpandingTextBox class, 170

extending server controls, 168-172

extracting fields from lists, 7-8

F

Feature definitions, 30

compared, 27

deleting, 31

enumerating, 27-29

installing, 31

properties, 30-31

Feature Enumerator application, 29

Feature.xml file, 78, 156-157

FeatureDefinitions property (SPFarm class), 27

FeatureId column (lists), 274

Features

activating/deactivating, 25, 29-30

classes, 26

collections, accessing, 26

- defined, 25
- enumerating, 27-29
- packaging, 26
- properties, 30-31
- Features property**
 - SPSite class, 27, 37
 - SPWeb class, 27, 43
- FetchLegalWorkflowActions() method, 338**
- Field property (SPListEventProperties class), 71**
- FieldAdded event, 71**
- FieldAdding event, 71**
- FieldDeleted event, 71**
- FieldDeleting event, 71**
- FieldName property (SPListEventProperties class), 71**
- FieldRef element, 6**
- FieldRef extraction utility, 7-8**
- fields (lists), 7-8**
- Fields property**
 - SPList class, 49
 - SPListItem class, 51
- FieldUpdated event, 71**
- FieldUpdating event, 71**
- FieldXml property (SPListEventProperties class), 71**
- File property (SPListItem class), 51**
- files**
 - approving, 94
 - binary representation, 94
 - checking in/out, 91-94
 - converting, 94
 - copying, 94
 - deleting, 94
 - denying, 94
 - Elements.xml, 78-79
 - feature.xml, 78, 156-157
 - install.bat, 158-159
 - moving, 94
 - Program.cs, 21-22
 - publishing, 94
 - restoring to checked-in state, 94
 - saving, 94
 - sending to Recycle Bin, 94
 - submitting to records repositories, 373-374
 - System.Web.dll, 178
 - taking offline, 94
 - transform states, 94
 - updating, 94
 - workflow.xml, 157
- Files property**
 - SPFolder class, 86
 - SPWeb class, 43

- filters**
 - descriptors, 354
 - Finders, 128-129
 - lists, 287-288
- FindDwsDoc() method, 251**
- finding BDC entities, 117**
 - direct method execution, 131-132
 - filter Finders, 128-129
 - specific Finders, 126-128
 - wildcard Finders, 130-131
- Flags column (lists), 274**
- Folder property (SPListItem class), 51**
- folders**
 - copying, 94
 - deleting, 94
 - Document Workspace, 248
 - Global Assembly Cache, 236
 - moving, 94
 - picture libraries, 263-264
 - sending to Recycle Bin, 94
 - updating, 94
- Folders property**
 - SPList class, 49
 - SPWeb class, 43
- Form1.cs Windows Forms application, 86-88**
- Forms property (SPList class), 49**

G

- GenericWebPart class, 184**
- Geq element, 6**
- GetAlerts() method, 381**
- GetAllChanges() method, 314**
- GetAllUserCollectionFromWeb() method, 315**
- GetApiVersion() method, 325**
- GetAssemblyMetaData() method, 338**
- GetBindingResourceData() method, 338**
- GetCatalog() method**
 - SPSite class, 38
 - SPWeb class, 44
- GetCell() method, 325**
- GetCellA1() method, 325**
- GetChanges() method**
 - SPList class, 55
 - SPWeb class, 44
 - User Profile Web Change Web Service, 314
- GetCommonColleagues() method, 308**
- GetCommonManager() method**
 - MembershipManager class, 145
 - User Profile Web Service, 308

- GetCommonMemberships() method
 - MembershipManager class, 145
 - User Profile Web Service, 308
- GetConversionState() method, 94
- GetConvertedFile() method, 94
- GetCurrentChangeToken() method, 314
- GetCustomControlList() method, 338
- GetCustomerID() method, 220
- GetCustomListTemplates() method, 38
- GetCustomWebTemplates() method, 38
- GetDataFromDataSourceControl() method, 338
- GetDocDiscussions() method, 44
- GetDwsData() method, 244-246
- GetDwsMetaData() method, 246-247
- GetFile() method, 44
- GetFolder() method, 44
- GetFormCapabilityFrom() method, 338
- GetGroupCollection() method, 315
- GetGroupCollectionFromRole() method, 315
- GetGroupCollectionFromSite() method, 315
- GetGroupCollectionFromUser() method, 315
- GetGroupCollectionFromWeb() method, 315
- GetGroupInfo() method, 315
- GetInCommon() method, 309
- GetItemById() method, 55
- GetItemByUniqueId() method, 55
- GetItems() method, 55
- GetItemsByIds() method, 257, 260
- GetItemsXMLData() method, 257, 260
- GetList() method, 44
- GetListFromUrl() method, 44
- GetListItem() method, 44
- GetListItems() method, 257-258
- GetListsOfType() method, 44
- GetPropertyChoiceList() method, 309
- GetRange() method, 325
- GetRangeA1() method, 325
- GetRecycleBinItems() method
 - SPSite class, 38
 - SPWeb class, 44
- GetRecycleBinStatistics() method, 38
- GetRoleCollection() method, 315
- GetRoleCollectionFromGroup() method, 315
- GetRoleCollectionFromUser() method, 315
- GetRoleCollectionFromWeb() method, 315
- GetRoleInfo() method, 315
- GetRolesAndPermissionsFor() method, 315
- GetSafeAssemblyInfo() method, 338, 345
- GetServerInfo() method, 376
- GetSessionInformation() method, 325
- GetSiteData() method, 44
- GetTemplatesForItem() method, 360, 366
- GetToDosForItem() method, 360
- GetUsageData() method, 44
- GetUserAllChanges() method, 314
- GetUserChanges() method, 314
- GetUserColleagues() method, 309
- GetUserCollection() method, 315
- GetUserCollectionFromGroup() method, 315
- GetUserCollectionFromRole() method, 315
- GetUserCollectionFromSite() method, 315
- GetUserCollectionFromWeb() method, 315
- GetUserCurrentChangeToken() method, 314
- GetUserInfo() method, 316
- GetUserLinks() method, 309
- GetUserLoginFromEmail() method, 316
- GetUserMemberships() method, 309
- GetUserPinnedLinks() method, 309
- GetUserProfileByGuid() method, 309
- GetUserProfileByIndex() method, 309
- GetUserProfileByName() method, 309
- GetUserProfileSchema() method, 309
- GetView() method, 55
- GetWebPart() method, 338, 344
- GetWebPart2() method, 338
- GetWebPartCrossPage() method, 338
- GetWebPartPage() method, 338
- GetWebPartPageConnectionInfo() method, 338
- GetWebPartPageDocument() method, 338
- GetWebPartProperties() method, 338
- GetWebPartProperties2() method, 338
- GetWebTemplates() method, 38
- GetWorkbook() method, 325
- GetWorkflowDataForItem() method, 360
- GetWorkflowTaskData() method, 360
- GetXmlDataFromDataSource() method, 338
- Global Assembly Cache
 - assemblies, adding, 181
 - folders, adding, 236
 - verifying, 237
- groups
 - security principles, enumerating, 316-318
 - User Group Web Service, 315-316
 - user profiles, adding, 145
- Groups property (SPWeb class), 43
- gvResults control, 202

H

- HasPublishedVersion property (SPListItem class), 51
- HasUniqueScopes column (lists), 275

- hello world Excel Services example, 326-328
- HelloWorld Web Part, 179-180
- HelloWorldSequentialWorkflow Assembly
 - features.xml file, 156-157
 - install.bat file, 158-159
 - workflow designer, 155
 - workflow.xml file, 157
- Hidden column (lists), 275
- Hidden property
 - SPList class, 49
 - UpdateList method, 278
- hierarchical list items, querying, 283-285
- hierarchy
 - lists, 64-67, 206
 - site collections, 36
 - web applications, 36
 - websites, 36
- HostHeaderIsSiteName property (SPSite class), 37
- HTML (Hypertext Markup Language), 213
- |
- IconUrl property (SPFile class), 85
- ID enumerators, 110
- ID property
 - SPListItem class, 51
 - SPSolution class, 33
 - SPWeb class, 43
 - WebPartManager class, 224
- IDs
 - document ID storage, 251-252
 - picture library images, retrieving, 260
- ISAllowsAnonymous property (SPSite class), 37
- images (picture libraries)
 - deleting, 263
 - downloading, 262
 - photo browser example, 266-272
 - renaming, 263
 - retrieving from
 - IDs, 260
 - lists, 258-260
 - XML data, 260-261
 - uploading, 261-262
- ImageUrl column (lists), 274
- ImageUrl property (SPList class), 49
- Imaging Web Service, 256-257, 266-272
- Impersonating property (SPSite class), 37
- ImportCatalogPart control, 174
- importing Web Parts, 188
- InDocumentLibrary property (SPFile class), 85
- InfoPath, 152
- information collection user control, 164-165
- install.bat file, 158-159
- installing
 - Feature definitions, 31
 - Solutions, 32
 - WF templates, 147-148
- instances (workflows), 150
- interfaces
 - Create New Item, 210
 - Edit in DataSheet, 210
 - IPostBackDataHandler, 170-172
 - ISelectedCustomer, 218-220
 - provider Web Part data interface, 218
- IPostBackDataHandler interface, 170-172
- ISelectedCustomer interface, 218-220
- IsIRMed property (SPFile class), 85
- IsNotNull element, 6
- IsNull element, 6
- IsRootWeb property (SPWeb class), 43
- IsWebPartPackage property (SPSolution class), 33
- Item property
 - SPFile class, 85
 - SPFolder class, 86
- ItemAdded event, 75
- ItemAdding event, 75
- ItemAttachmentAdded event, 75
- ItemAttachmentAdding event, 75
- ItemAttachmentDeleted event, 75
- ItemAttachmentDeleting event, 75
- ItemCheckedIn event, 75
- ItemCheckedOut event, 75
- ItemCheckingIn event, 75
- ItemCheckingOut event, 75
- ItemCount column (lists), 274
- ItemCount property (SPList class), 49
- ItemDeleted event, 75
- ItemDeleting event, 75
- ItemFileConverted event, 75
- ItemFileMoved event, 75
- ItemFileMoving event, 75
- items (lists)
 - creating, 56-57, 281-282
 - deleting, 56-57, 281-282
 - event receivers, creating, 73-76
 - events, 75
 - filtering, 287-288
 - hierarchical
 - querying, 283-285
 - traversing, 66-67

- querying, 62-64
- retrieving, 275-277
- revision control, 286
- updating, 56-57, 281-282
- values, accessing, 53

- Items property (SPList class), 49**
- ItemUncheckedOut event, 75**
- ItemUncheckingOut event, 75**
- ItemUpdated event, 75**
- ItemUpdating event, 75**

J–K

- JavaScript, 204**

- KPIs (Key Performance Indicators), 322**

L

- Language property (SPWeb class), 43**
- LastContentModifiedDate property (SPSite class), 37**
- LastDeleted column (lists), 274**
- LastItemDeletedDate property (SPList class), 49**
- LastItemModifiedDate property (SPList class), 49**
- LastOperationDetails property (SPSolution class), 33**
- LastOperationEndTime property (SPSolution class), 33**
- LastOperationResult property (SPSolution class), 33**
- LastSecurityModifiedDate property (SPSite class), 37**
- layout (Web Parts), 197**
- LayoutEditorPart control, 174**
- lblError control, 202**
- Length property (SPFile class), 85**
- LengthByUser property (SPFile class), 85**
- Leq element, 6**
- Level property (SPFile class), 85**
- libraries**
 - document
 - accessing, 84
 - classes, 84
 - explorer, building, 86-90
 - overview, 83
 - SPFile class properties, 84-85
 - SPFolder class properties, 86
 - uploading documents, 84

- picture, 94, 255-256
 - deleting images, 263
 - downloading images, 262
 - enumerating, 258
 - folders, creating, 263-264
 - Imaging Web Service, 256-257
 - photo browser example, 266-272
 - renaming images, 263
 - retrieving images, 258-261
 - uploading images, 261-262
- Unclassified Records, 370, 375
- user-defined, 334

Line of Business systems

- entities, 350-351
- enumerating, 349
- properties, 348

LinkWithEvent() method, 105

.List object, 207

- List property (SPListEventProperties class), 71**

ListId property

- SPItemEventProperties class, 74
- SPListEventProperties class, 71

listings

- alerts viewing application, 379-382
- BDC
 - data in lists, accessing, 60
 - Field Resolver Web Service, 355-356
 - metadata, querying, 125
- consumer Web Part, 221-222
- document library explorer
 - DocLibPicker.cs, 89-90
 - Form1.cs, 86-88
- Document Workspaces
 - creating/deleting, 243-244
 - document ID storage, 251-252
- Elements.xml file, 78-79
- Excel Services user-defined functions
 - example, 333-334
- ExcelServicesHelloWorld application, 326-328
- expanding TextBox control, 169-170
- feature.xml file, 78, 156-157
- Features and Feature Definitions,
 - enumerating, 27-29
- filter descriptors, enumerating, 354
- finding BDC entities
 - direct method execution, 131-132
 - filter Finders, 128-129
 - specific Finders, 127-128
 - wildcard Finders, 130-131
- GetDwsData method, 244-245

- HelloWorld Web Part, 179-180
- information collection user control, 164-165
- install.bat file, configuring, 158-159
- IPostBackDataHandler interface
 - implementation, 170-172
- Line of Business systems, 349-351
- list items
 - creating/deleting, 281-282
 - event receiver, 72-76
 - hierarchical, querying, 284-285
 - hierarchical, traversing, 66
 - manipulation, 54-56
 - querying, 62-63
 - updating, 281-282
 - values, accessing, 53
- ListRetriever application, 276-277
- LOB system and entity, creating, 122-123
- Meeting Workspaces, creating, 98
- meetings, creating, 102-103
- methods, enumerating, 352-353
- numeric textbox server control, 167-168
- Official File Web Service, querying, 374
- photo album browser application, 267-272
- Program.cs file for testing Assembly
 - references, 21-22
- provider Web Part, 219-220
- reading/writing ranges and saving
 - temporary workbooks, 329-332
- SDK sample DWS utility methods, 249-250
- SimpleLoanCalculator Web Part, 192-194
- Spell Checker Web Service, 378
- SQLExecute Web Part, 199-202
- submitting files to records repositories with
 - SPFile class, 373
- Timesheet Entry Web Part, 210-213
- user profiles
 - change history, 312-313
 - change log query, 140-142
 - properties, retrieving, 137-138, 310-311
 - retrieving, 136-137
- versioning example, 91-93
- Versions Web Service, 383
- Web Parts
 - adding to Web Part pages, 339-341
 - connecting, 225-226
 - debugging, 230-231
 - list access, 208-209
 - Manager, 175-176
 - pages, querying, 344-345
 - template, 198-199
 - updating, 342-343
 - workflow tasks, retrieving, 362-363
 - workflow.xml file, configuring, 157
 - WPF data binding to data from User Group
 - Web Service, 316-318
- ListItem property (SPItemEventProperties class), 74**
- ListItemId property (SPItemEventProperties class), 74**
- ListItems property (SPListItem class), 51**
- ListMetaLogger class, 72-73**
- ListPictureLibrary() method, 257-258**
- ListRetriever application, 276-277**
- lists**
 - accessing, 206-209
 - BDC
 - custom, columns, 118-119
 - data, accessing, 59-62
 - columns, 274-275
 - contents, viewing, 51-53
 - creating, 53-55
 - data entry, 210
 - deleting, 53-55
 - enumerating, 48-51
 - events, 71
 - handlers, 69
 - receivers, 70-73
 - fields, extracting, 7-8
 - hierarchy, 206
 - items
 - creating, 56-57, 281-282
 - deleting, 56-57, 281-282
 - event receivers, creating, 73-76
 - events, 75
 - filtering, 287-288
 - hierarchical, querying, 283-285
 - hierarchical, traversing, 66-67
 - querying, 62-64
 - retrieving, 275-277
 - revision control, 286
 - updating, 56-57, 281-282
 - values, accessing, 53
 - lookup data, 58
 - managing, 47
 - manipulation listing, 54
 - Meeting Series, 100-101
 - Meeting Workspaces, 100, 304
 - parent/child relationships
 - content types, creating, 65
 - creating, 64
 - hierarchical list, traversing, 66-67
 - picture library images, retrieving, 258-260

- querying, 8-11
- retrieving, 275-277
- schema changing code, testing, 279
- schemas, 277
- Site Feature, 79
- templates, 80
- updating, 53-55, 209-210-215
 - cautions, 214
 - data entry functionality, 213
 - Lists Web Service, 278-281
 - Timesheet Entry Web Part example, 210-213
- views, 289
- Web Part property values, selecting, 195-196

Lists property

- SPList class, 49
- SPWeb class, 43

Lists Web Service, lists, 273

- creating, 281-282
- deleting, 281-282
- filtering, 287-288
- hierarchical, querying, 283-285
- retrieving, 275-277
- revision control, 286
- updating, 278-282

ListTemplates property (SPWeb class), 43**ListTitle property**

- SPLItemEventProperties class, 74
- SPListEventProperties class, 71

LoadPostBackData() method, 170-172**LOB system and entity, creating, 122-123****LobSystemInstanceStruct structure properties, 348****local development environment, 19-20****Locale property (SPWeb class), 43****lookup data (lists), 58****Lt element, 6**

M

MajorVersion property (SPFile class), 85**MajorVersionLimit column (lists), 275****MajorVersionLimit property (SPList class), 49****MajorwithMinorVersionLimit column (lists), 275****MajorWithMinorVersionsLimit property (SPList class), 49****MakeFullUrl() method, 38****managing**

- Document Workspace users, 253
- Excel workbooks, 322

- lists, 47

- Web Parts, 175-176

MasterUrl property (SPWeb class), 43**Meeting Series columns, 300****Meeting Series list, 100-101****Meeting Workspaces, 291**

- available, listing, 293-294

- creating, 97-98, 295-296

- deleting, 296-297

- details, modifying, 297

- lists, 100

- Meeting Series list, 100-101

meetings

- attendance, 302-303

- attendee responses, 105

- calendar events, linking, 105

- creating, 102-104, 298-299

- deleting, 104, 300-301

- lists, 304

- modifying, 104

- restoring, 302

- updating, 301

- sites, creating, 292

- templates, 295

meetings

- attendance, 302-303

- attendee responses, 105

- calendar events, linking, 105

- creating, 102-104, 298-299

- deleting, 104, 300-301

- lists, 304

- modifying, 104

- recurring, 101

- restoring, 302

- updating, 301

MembershipManager class

- GetCommonManager() method, 145

- GetCommonMemberships() method, 145

metadata

- BDC, 124-126

- Document Workspace, 246-247

methods

- Add()

- EventReceivers collection, 77

- Solutions collection, 32

- SPFeatureDefinitionCollection class, 31

- SPMeeting class, 103

- AddMeetingFromCal(), 299

- AlterTask(), 365

- BDC entities, 110

- Cancel(), 104

- CanCreateDwsUrl(), 242

- CheckIn(), 91
 - CheckOut(), 91
 - ClaimReleaseTask(), 366
 - Create(), 143
 - CreateChildControls(), 199, 202-203
 - CreateDws(), 242
 - CreateUserProfile(), 143
 - ddMeeting(), 298
 - Delete(), 99
 - DeleteWorkspce(), 297
 - Deploy(), 34
 - enumerating, 352-353
 - Excel Services Web Service, 325-326
 - FindDwsDoc(), 251
 - GetAlerts(), 381
 - GetCommonManager(), 145
 - GetCommonMemberships(), 145
 - GetCustomerId(), 220
 - GetDwsData(), 244-246
 - GetDwsMetaData(), 246-247
 - GetSafeAssemblyInfo(), 345
 - GetServerInfo(), 376
 - GetTemplatesForItem(), 366
 - GetWebPart(), 344
 - Imaging Web Service, 256
 - instance structures (BDC), 351
 - LinkWithEvent(), 105
 - LoadPostBackData(), 170-172
 - PostBacks(), 170-172
 - RaisePostDataChangedEvent(), 170-172
 - Remove(), 32
 - RemoveDwsUser(), 253
 - RemoveMeeting(), 300
 - Render()
 - ExpandingTextBox class, 170
 - Web Parts, 199
 - Resolve(), 356
 - RestoreMeeting(), 302
 - Retract(), 34
 - SaveBinary(), 93
 - SendToOfficialFile(), 373
 - SetAttendeeResponse(), 105
 - SetCustomer(), 223
 - SetWorkspaceTitle(), 297
 - SpellCheck(), 378
 - SPIFile class, 94
 - SPFolder class, 94
 - SPList(), 55
 - SPList class, 55
 - SPListItem class, 57
 - SPSite class, 38
 - SPWeb class, 44
 - StartWorkflow(), 367
 - SubmitFile(), 375
 - Update()
 - SPListItem class, 214
 - SPMeeting class, 104-105
 - UpdateList(), 278
 - UpdateMeetingFromlCal(), 301
 - User Group Web Services, 315-316
 - User Profile Web Change Web Service, 312-314
 - User Profile Web Services, 308-309
 - Web Part Pages Web Service, 337-339
 - MethodStruct structure, 351**
 - Microsoft Office SharePoint Server (MOSS), 15**
 - Microsoft.Office.Server namespace, 16**
 - Microsoft.SharePoint namespace, 16**
 - MinorVersion property (SPFile class), 85**
 - MobileDefaultViewUrl property (SPList class), 49**
 - modeling workflows, 153-155**
 - Modified column (lists), 274**
 - modifying**
 - list data, 213-215
 - Meeting Workspace details, 297
 - meetings, 104
 - records centers, 372
 - user profiles, 140
 - Web Parts. *See also* properties, Web Parts
 - JavaScript, adding, 204
 - postbacks, 203
 - rendering in browsers, 199
 - SQLExecute example, 199-203
 - template, 198-199
 - web controls, 199
 - workflow tasks, 365-366
 - ModifyUserPropertyByAccountName()**
 - method, 309
 - MOSS (Microsoft Office SharePoint Server), 15**
 - MoveTo() method, 94**
 - moving files/folders, 94**
 - MSI-based Web Part deployment, 235**
 - MultipleDataList column (lists), 275**
 - MultipleDataList property**
 - SPList class, 49
 - UpdateList() method, 279
 - multivalued properties, 144**
- ## N
- Name column (lists), 274**
 - Name property**
 - SPFile class, 85
 - SPFolder class, 86

- SPListItem class, 51
- SPSolution class, 33
- SPWeb class, 43
- naming images, 263
- Navigation property (SPWeb class), 43
- Neq element, 6
- NoCrawl property (SPList class), 49
- Northwind database, 219-220
- numeric textbox server control, 167-168

O

object models

- applications on the server, developing, 17-18
- BDC
 - administration, 121-123
 - runtime. See BDC, runtime API
- classes, 16
- console application
 - creating, 21-22
 - deploying, 22-23
- document libraries support, 84
- Features
 - activating/deactivating, 29-30
 - classes, 26
 - collections, accessing, 26
 - enumerating, 27-29
 - Feature definitions, 27-31
 - properties, 30-31
- namespaces, 16
- remote applications, developing, 18
- Solutions
 - deleting, 32
 - deploying, 34
 - enumerating, 32-33
 - installing, 32
- user profiles
 - change log history query, 140-142
 - common data, retrieving, 145-146
 - creating, 143
 - groups, adding, 145
 - modifying, 140
 - properties, 143-144
 - property retrieval, 137-139
 - retrieving, 135-137
- Web Parts, developing, 18
- objective fields (Meeting Workspaces), 304
- objects
 - core, 207
 - .List, 207
 - .Site, 207

- SPContext, 207-209
- SPFeatureProperty, 30
- SPQuery, 7
- .Web, 207
- Official File Web Service
 - querying, 374-375
 - record repositories, creating, 375-376
 - Records Center, 370

offline files, 94

- OpenBinary() method, 94
- OpenWeb() method, 38
- OpenWorkbook() method, 325
- Order Item content type, 65
- Order Parent content type, 65
- Ordered column (lists), 275
- Ordered property (UpdateList() method), 279
- Owner property (SPSite class), 37

P

- packaging Features, 26
- PageCatalogPart control, 174
- parent/child relationships (lists), 64
 - content types, creating, 65
 - hierarchical list, traversing, 66-67
- ParentFolder property
 - SPFile class, 85
 - SPFolder class, 86
- ParentList property (SPListItem class), 51
- ParentListId property (SPFolder class), 86
- ParentWeb property
 - SPFolder class, 86
 - SPList class, 49
 - SPWeb class, 43
- ParentWebUrl property (SPList class), 49
- Passthrough authentication mode (BDC), 110
- Personalization attribute, 194
- photo album browser application, 267-272
- photos. See images
- picture libraries, 94, 255-256
 - enumerating, 258
 - folders, creating, 263-264
 - images
 - deleting, 263
 - downloading, 262
 - renaming, 263
 - retrieving, 258-261
 - uploading, 261-262
 - Imaging Web Service, 256-257
 - photo browser example, 266-272
- Port property (SPSite class), 37

PortalMember property (SPWeb class), 43
PortalName property (SPWeb class), 43
PortalSubscription property (SPWeb class), 43
PortalUrl property
 SPSite class, 37
 SPWeb class, 43
postbacks (Web Parts), 203
PostBacks() method, 170-172
posting data back to servers, 170-172
PresenceEnabled property (SPWeb class), 43
ProfilePropertyCollection class, 143
profiles (user)
 change history, 312-313
 change log history query, 140-142
 choice list properties, 144
 common data, retrieving, 145-146
 creating, 143
 groups, adding, 145
 modifying, 140
 new features, 307-308
 properties
 creating, 143-144
 multivalued properties, 144
 retrieving, 137-139, 310-311
 retrieving, 135-137
 User Profile Web Service, 308-309
 value separators for properties, 144
Program.cs file, 21-22
properties
 BackColor, 168
 ConsumerConnectionPoint, 224
 ConsumerID, 224
 CorrelationToken, 155
 Current, 207
 CustomerID, 218
 Feature definitions, 30-31
 FeatureDefinitions, 27
 Features, 27, 30-31
 ID, 224
 Line of Business system instance, 348
 list updatable, 278
 LobSystemInstanceStruct structure, 348
 MethodStruct structure, 351
 Properties, 30
 ProviderID, 224
 Sites, 35
 Solutions, 32
 SPFile class, 84-85
 SPFolder class, 86
 SPLItemEventProperties class, 74
 SPList class, 48-50

 SPListEventProperties, 71
 SPListItem class, 51
 SPSite class, 36-38
 SPSolution class, 33
 SPWeb class, 42-43
 user profiles
 choice list, 144
 creating, 143-144
 multivalued, 144
 retrieving, 137-139, 310-311
 value separators, 144
 Web Parts, 191-195
 attributes, 194-195
 selecting from lists, 195-196
 SimpleLoanCalculator example, 192-194
 WebApplication, 22
Properties property
 SPFeaturePropertyCollection collection, 30
 SPFile class, 85
 SPFolder class, 86
 SPListItem class, 51
 SPSolution class, 33
PropertiesXml property (SPList class), 49
property bags, 30
PropertyGridEditorPart control, 174
Protocol property (SPSite class), 37
provider Web Parts, 217
 connecting with consumer Web Parts,
 223-226
 data interface, 218
 Web Part, creating, 218-220
ProviderID property (WebPartManager class), 224
ProxyWebPartManager control, 173
PublicKeyToken, 186
Publish() method, 94
publishing files, 94

Q

queries (CAML)
 creating, 6
 lists, 8-11, 287-288
 U2U CAML Query Builder, 11
querying
 BDC metadata, 124-126
 list items, 62-64, 283-285
 Official File Web Service, 374-375
 Web Part pages, 344-345

R

RaisePostDataChangedEvent() method, 170-172

RdbCredentials authentication mode (BDC), 110

ReadLocked property (SPSite class), 37

ReadOnly property (SPSite class), 37

ReceiverData property

SPItemEventProperties class, 74

SPListEventProperties class, 71

record routing rules, adding, 370

Records Center

connections, configuring, 370

files, submitting, 373-374

modifying, 372

Official File Web Service

linking, 370

querying, 374-375

record routing rules, 370

site definition, 370

records repositories

creating, 375-376

files, submitting, 373-374

metadata information storage example, 372

Official File Web Service, 374-375

overview, 369

Records Center

connections, configuring, 370

files, submitting, 373-374

modifying, 372

Official File Web Service, 370, 374-375

record routing rules, 370

site definition, 370

recurring meetings, 101

Recycle Bin, 94

Recycle() method, 94

RecycleBin property

SPSite class, 37

SPWeb class, 43

references

Assembly, 21-22

System.Web.dll file, 178

Refresh() method, 325

relational data, exposing, 133

RelativeWebUrl property

(SPItemEventProperties class), 74

releasing workflow tasks, 366

remote applications, developing, 18

remote development environment, 20-21

Remove() method, 32

RemoveColleague() method, 309

RemoveDwsUser() method, 253

RemoveGroup() method, 316

RemoveGroupFromRole() method, 316

RemoveLink() method, 309

RemoveMeeting() method, 300

RemoveMembership() method, 309

RemovePinnedLink() method, 309

RemoveRole() method, 316

RemoveUserCollectionFromGroup() method, 316

RemoveUserCollectionFromRole() method, 316

RemoveUserCollectionFromSite() method, 316

RemoveUserFromGroup() method, 316

RemoveUserFromRole() method, 316

RemoveUserFromSite() method, 316

RemoveUserFromWeb() method, 316

RemoveWorkflowAssociation() method, 339

Rename() method, 257

renaming images, 263

Render() method

ExpandingTextBox class, 170

Web Parts, 199

RenderAsHtml() method, 55

RenderWebPartForEdit() method, 339

RequireCheckout column (lists), 275

Resolve() method, 356

RestoreMeeting() method, 302

restoring

files, 94

meetings, 302

Retract() method, 34

retrieving

commonalities among user profiles, 145-146

Document Workspace data, 244-247

list items, 275-277

picture library images

IDs, 260

lists, 258-260

XML data, 260-261

task data, 367

user profile properties, 135-139, 310-311

workflows

data, 361-362

tasks, 362-365

templates, 366-367

RevertToSelf authentication mode (BDC), 110

revision control (lists), 286

RootFolder column (lists), 274

RootFolder property

SPList class, 50

SPWeb class, 43

RootWeb property (SPSite class), 37

S

Safe Assemblies, 345**SaveAsTemplate() method**

SPList class, 55

SPWeb class, 44

SaveBinary() method, 93-94**SaveWebPart() method, 339****SaveWebPart2() method, 339****saving**

files, 94

server controls to ViewState, 170-172

schemas (lists), 277**SchemaXml property (SPList class), 50****Scopeld column (lists), 275****SearchDocuments() method, 44****SearchListItems() method, 44****SearchServiceInstance property (SPSite class), 37****SecondaryContact property (SPSite class), 37****security groups, 316-318****SelfServiceCreateSite() method, 38****SendToLocation column (lists), 275****SendToLocationName property (SPList class), 50****SendToLocationUrl property (SPList class), 50****SendToOfficialFile() method, 373****server controls**

ASP.NET integration, 184

building, 166-168

extending, 168-172

saving to ViewState, 170-172

user controls, compared, 163-166

ServerRedirected property (SPFile class), 85**ServerRelativeUrl property**

SPFile class, 85

SPFolder class, 86

SPSite class, 37

SPWeb class, 43

servers

applications on, developing, 17-18

posting data back to, 170-172

ServerTemplate column (lists), 274**services**

Excel, 322

application logic, 322

architecture, 323

business intelligence, 322

Excel Calculation Services, 324

Excel Web Access, 324

hello world example, 326-328

multiple named ranges client application
example, 328-329

reading/writing ranges and saving tem-

porary workbooks application, 329-332

trusted locations, 326

user-defined functions, creating, 332-335

user-defined libraries, 334

web service, 325-326

workbook management, 322

web. See web services

SetAttendeeResponse() method, 105**SetCell() method, 325****SetCellA1() method, 326****SetCustomer() method, 223****SetRange() method, 326****SetRangeA1() method, 326**

setup projects, adding, 235

SetWorkspaceTitle() method, 297**Sharepoint 2007 SDK template, 148****ShowUser column (lists), 275****ShowUser property (UpdateList() method), 279****SimpleLoanCalculator Web Part, 192-194****Single Sign-On authentication mode (BDC), 110****site collections**

creating, 39-41

defined, 35

hierarchy, 36

information, accessing, 41

listing, 35

SPSite class, 36-38

site context console application

creating, 21-22

deploying, 22-23

Site Feature list, 79**Site() method, 315****.Site object, 207****Site property (SPWeb class), 43****SiteId property**

SPItemEventProperties class, 74

SPListEventProperties class, 71

SiteLogoUrl property (SPWeb class), 43**sites**

Document Workspace, 241

creating, 242-244

data, retrieving, 244-246

deleting, 243-244

document ID storage, 251-252

folders, 248

metadata, retrieving, 246-247

URLs, validating, 242

users, managing, 253

Meeting Workspaces, 291

available, listing, 293-294

creating, 292

details, modifying, 297

- Sites property (SPWebApplication class), 35**
- SmartPart, 183**
- SolutionFile property (SPSolution class), 33**
- SolutionId property (SPSolution class), 33**
- Solutions**
 - deleting, 32
 - deploying, 34
 - enumerating, 32-33
 - installing, 32
- Solutions collection, 32**
- Solutions property, 32**
- SourceLeafName property (SPFile class), 85**
- SourceUIVersion property (SPFile class), 85**
- SPChangeToken class, 314**
- SPContext class, 21**
- SPContext object, 207**
 - Current property, 207
 - referencing timesheet list, 208-209
- SPElementDefinition class, 26**
- Spell Checker Web Service, 377-379**
- SpellCheck() method, 378**
- SPEventReceiverBase class, 70**
- SPFarm class**
 - FeatureDefinitions property, 27
 - instance of, creating, 27-29
- SPFeature class, 26**
- SPFeatureCollection class, 26**
- SPFeatureDefinition class, 26**
- SPFeatureDefinitionCollection class, 31**
- SPFeatureDependency class, 26**
- SPFeatureProperty class, 26**
- SPFeatureProperty objects, 30**
- SPFeaturePropertyCollection class, 26**
- SPFeaturePropertyCollection collection, 30**
- SPFeatureScope class, 26**
- SPFile class**
 - methods, 91-94
 - properties, 84-85
 - submitting files to records repositories, 373-374
- SPFolder class**
 - methods, 94
 - properties, 86
- SPItemEventProperties class, 74**
- SPItemEventReceiver class, 69**
- SPList class**
 - lists, enumerating, 50-51
 - methods, 55
 - properties, 48-50
 - AlertTemplate, 48-49
 - AllowContentTypes, 48
 - AllowDeletion, 48
 - AllowEveryoneViewItems, 48
 - AllowMultiResponses, 48
 - AllowRssFeeds, 48
 - Audit, 48
 - BaseTemplate, 48
 - BaseType, 48
 - CanReceiveEmail, 48
 - ContentTypes, 48
 - ContentTypesEnabled, 48
 - Created, 48
 - CurrentChangeToken, 48
 - DefaultItemOpen, 48
 - DefaultView, 48
 - DefaultViewUrl, 48
 - Description, 48
 - Direction, 48
 - DraftVersionVisibility, 48
 - EmailAlias, 48
 - EnableAttachments, 49
 - EnableFolderCreation, 49
 - EnableMinorVersions, 49
 - EnableModeration, 49
 - EnableVersioning, 49
 - Event, 49
 - Fields, 49
 - Folders, 49
 - Forms, 49
 - Hidden, 49
 - ImageUrl, 49
 - ItemCount, 49
 - Items, 49
 - LastItemDeletedDate, 49
 - LastItemModifiedDate, 49
 - Lists, 49
 - MajorVersionLimit, 49
 - MajorWithMinorVersionsLimit, 49
 - MobileDefaultViewUrl, 49
 - MultipleDataList, 49
 - NoCrawl, 49
 - ParentWeb, 49
 - ParentWebUrl, 49
 - PropertiesXml, 49
 - RootFolder, 50
 - SchemaXml, 50
 - SendToLocationName, 50
 - SendToLocationUrl, 50
 - Title, 50
 - Version, 50
 - Views, 50
 - WorkflowAssociations, 50

- SPListEventProperties class, 71**
 - SPListEventReceiver class, 70**
 - SPListItem class**
 - lists
 - contents, viewing, 52
 - values, accessing, 53
 - methods, 57
 - properties, 51
 - Update method, 214
 - SPMeeting class, 99**
 - Add() method, 103
 - Cancel() method, 104
 - LinkWithEvent() method, 105
 - SetAttendeeResponse() method, 105
 - Update() method, 104-105
 - SPQuery object, 7**
 - SPSite class, 35-36**
 - Features property, 27
 - instance of, creating, 27-29
 - methods, 38
 - properties, 36-38
 - AllowRssFeeds, 36
 - AllowUnsafeUpdates, 36
 - AllWebs, 36
 - Audit, 36
 - CatchAccessDeniedException, 36
 - CertificationDate, 36
 - ContentDatabase, 36
 - CurrentChangeToken, 36
 - DeadWebNotificationCount, 37
 - Features, 37
 - HostHeaderIsSiteName, 37
 - IISAllowsAnonymous, 37
 - Impersonating, 37
 - LastContentModifiedDate, 37
 - LastSecurityModifiedDate, 37
 - Owner, 37
 - Port, 37
 - PortalUrl, 37
 - Protocol, 37
 - ReadLocked, 37
 - ReadOnly, 37
 - RecycleBin, 37
 - RootWeb, 37
 - SearchServiceInstance, 37
 - SecondaryContact, 37
 - ServerRelativeUrl, 37
 - SyndicationEnabled, 37
 - UpgradeRedirectedUri, 37
 - Url, 37
 - Usage, 37
 - WebApplication, 38
 - WorkflowManager, 38
 - WriteLocked, 38
 - Zone, 38
 - site collections
 - creating, 39-41
 - information, accessing, 41
 - updating, 42
 - SPSiteCollection class, 35-36**
 - SPSolution class, 32**
 - deploy methods, 34
 - properties, 33
 - SPWeb class, 36, 42**
 - Delete() method, 99
 - Features property, 27
 - methods, 44
 - properties, 42-43
 - webs
 - creating, 44-45
 - information, accessing, 45
 - updating, 46
 - SPWebApplication class, 35-36**
 - SPWebPartManager class, 185**
 - SPWorkflow class, 365**
 - SQLExecute Web Part, 197**
 - controls, 202
 - CreateChildControls event, 202-203
 - listing, 199-202
 - postbakcs, 203
 - starting workflows, 367**
 - StartWorkflow() method, 360, 367**
 - Status property**
 - SPLtemEventProperties class, 74
 - SPListEventProperties class, 71
 - StorageManagementInformation() method, 38**
 - strong naming Assemblies, 180**
 - stsadm.exe command, 79**
 - style sheets, 213**
 - SubFolders property (SPFolder class), 86**
 - SubmitFile() method, 375**
 - SyndicationEnabled property (SPSite class), 37**
 - System.Web.dll file, 178**
- ## T
- TakeOffline() method, 94**
 - tasks**
 - claiming, 366
 - data, retrieving, 367
 - modifying, 365-366
 - releasing, 366
 - retrieving, 362-365

Tasks property (SPListItem class), 51

templates

- lists, 80
- Meeting Workspaces, 295
- Web Custom Control, 166
- web IDs, 40-41
- Web Parts, 198-199
- WF, 147-148
- workflow, 149, 366-367

testing

- Assembly references, 21-22
- schema changing code for lists, 279
- Web Parts, 181-183

TextBox class, 166

Theme property (SPWeb class), 43

things to bring fields (Meeting Workspaces), 304

ThumbnailSize column (lists), 274

time sheet list example, 205

- accessing, 206-209
- data entry, 210
- hierarchy, 206
- updating, 209-215

TimeCreated property (SPFile class), 85

TimeLastModified property (SPFile class), 85

Timesheet Entry Web Part example, 210-213

Title column (lists), 274

Title property

- SPFile class, 85
- SPList class, 50
- SPListItem class, 51
- SPWeb class, 43
- UpdateList() method, 279

tools

- FieldRef extraction, 7-8
- third-party Web Parts, 183
- U2U CAML Query Builder, 11
- Web Parts, 183

TotalLength property (SPFile class), 85

transform states, 94

trusts (domain-level), configuring, 151

txtSQL control, 202

U

U2U CAML Query Builder, 11

UIVersion property (SPFile class), 85

UIVersionLabel property (SPFile class), 85

Unclassified Records library, 370, 375

UndoCheckOut() method, 94

uniform resource locators (URLs), 242

UniqueId parameter, 220

UniqueId property

- SPFile class, 85
- SPFolder class, 86
- SPListItem class, 51

UnPublish() method, 94

Update() method

- SPFile class, 94
- SPFolder class, 94
- SPList class, 55
- SPListItem class, 57, 214
- SPMeeting class, 104-105
- SPWeb class, 44

UpdateColleaguePrivacy() method, 309

UpdateGroupInfo() method, 316

UpdateLink() method, 309

UpdateList() method, 278

UpdateMeetingFromICal() method, 301

UpdateMembershipPrivacy() method, 309

UpdateOverwriteVersion() method, 57

UpdatePinnedLink() method, 309

UpdateRoleDefInfo() method, 316

UpdateRoleInfo() method, 316

UpdateUserInfo() method, 316

updating

- files, 94
- folders, 94
- lists, 53-57, 209-215
 - cautions, 214
 - data entry functionality, 213
 - Lists Web Service, 278-282
 - Timesheet Entry Web Part example, 210-213
- meetings, 301
- site collections, 42
- Web Parts, 342-343
- webs, 46

UpgradeRedirectUrl property (SPSite class), 37

Upload() method, 257, 262

uploading

- documents to document libraries, 84
- images to picture libraries, 261-262

Url property

- SPFile class, 85
- SPFolder class, 86
- SPListItem class, 51
- SPSite class, 37
- SPWeb class, 43

URLs (uniform resource locators), 242

Usage property (SPSite class), 37

user controls

- ASRNET integration, 184
- information collection user control, 164-165
- server controls, compared, 163-166

User Group Web Service
 methods, 315-316
 WPF data binding, 316-318

user groups
 security principles, enumerating, 316-318
 User Group Web Service, 315-316

User Profile Web Change Web Service, 312-314

User Profile Web Service
 methods, 308-309
 user profile properties, retrieving, 310-311

user profiles
 change history, 312-313
 change log history query, 140-142
 common data, retrieving, 145-146
 creating, 143
 groups, adding, 145
 modifying, 140
 new features, 307-308
 properties
 choice list, 144
 creating, 143-144
 multivalued, 144
 retrieving, 137-139
 value separators, 144
 properties, retrieving, 310-311
 retrieving, 135, 137
 User Profile Web Service, 308-309

user-defined functions, 332-335

user-defined libraries, 334

UserDisplayName property
 SPltemEventProperties class, 74
 SPListEventProperties class, 71

UserLoginName property
 SPltemEventProperties class, 74
 SPListEventProperties class, 71

UserProfileManager class, 135, 143

utilities. See tools

V

ValidateWorkflowMarkupAndCreateSupport-Objects() method, 339

validating Document Workspace URLs, 242

value separators (properties), 144

VBA (Visual Basic for Applications), 332-335

verifying Global Assembly Cache, 237

versioning, 91
 checking files in/out, 91
 example, 91-93

Version column (lists), 274

Version property (SPList class), 50

Versionless property (SPltemEventProperties class), 74

Versions property
 SPFile class, 85
 SPListItem class, 51

Versions Web Service, 383-384

views
 alerts, 379-382
 built-in style sheets, 213
 creating, 288-289
 deleting, 289
 list contents, 51-53
 list of, 289
 user profile changes, 312-313

Views property (SPList class), 50

Views Web Service, views, 288-289

ViewState of server controls, 170-172

Visual Basic for Applications (VBA), 332-335

Visual C# 2005 Express Edition download, 18

Visual Studio 2005
 Extensions for Windows Workflow Foundation, 148
 Web Parts, debugging, 230-231
 web references, adding, 287
 workflows, modeling, 153-155

W

web applications
 hierarchy, 36
 site collections, 35

Web Custom Controls, 166

.Web object, 207

Web Part pages
 querying, 344-345
 Safe Assemblies, 345
 Web Parts
 adding, 339-341
 updating, 342-343
 Web Service
 adding Web Parts, 339-341
 methods, 337-339
 Safe Assemblies, 345
 Web Part pages, querying, 344-345
 updating Web Parts, 342-343

Web Parts
 adding to Web Part pages, 339-341
 BDC, 114-116
 connecting, 223-226
 consumers, 221-223

- controls, 173
 - CatalogZone, 178
 - WebPartManager, 175-176
 - WebPartZones, 178
- creating, 18, 178-181
- debugging, 229-230
 - breakpoints, setting, 231-233
 - common SharePoint server, 234
 - development workstations, 229-230
 - local SharePoint server, 234
 - Visual Studio 2005, 230-231
 - Web Part library, compiling, 231
 - without SharePoint or WSS, 233
- deploying, 235
 - compiling setup project, 237
 - configuring setup project, 236
 - MSI-based, 235
 - setup projects, adding, 235
- design mode, 177
- functionality, 197
- HelloWorld example, 179-180
- importing, 188
- integration, 174
- JavaScript, adding, 204
- layout, 197
- library, compiling, 231
- lists
 - accessing, 206-209
 - data entry, 210
 - updating, 209-215
- managing, 175-176
- postbacks, 203
- properties, 191-195
 - attributes, 194-195
 - selecting from lists, 195-196
 - SimpleLoanCalculator example, 192-194
- providers, 217-220
- rendering in browsers, 199
- SharePoint, 185-188
- SQLExecute example, 197
 - controls, 202
 - CreateChildControls event, 202-203
 - listing, 199-202
 - postbacks, 203
- System.Web.dll file reference, 178
- template, 198-199
- testing, 181-183
- third-party tools, 183
- time sheet list example, 205-206
- Timesheet Entry Web Part example listing, 210-213
 - updating, 342-343
 - web controls, adding, 199
 - zones, 178
- Web property**
 - SPListEventProperties class, 71
 - SPListItem class, 51
- web references, adding, 287**
- web services**
 - Alerts, 379-382
 - authentication, 299
 - BDC, 348
 - compatible, 132
 - entities, enumerating, 350-351
 - Field Resolver, 355-356
 - filter descriptors, enumerating, 354
 - Line of Business systems, 348-349
 - methods, 351-353
 - Document Workspace
 - data, retrieving, 244-246
 - folders, 248
 - metadata, retrieving, 246-247
 - Excel Services, 325
 - hello world example, 326-328
 - methods, 325-326
 - multiple named ranges client application example, 328-329
 - reading/writing ranges and saving temporary workbooks applications, 329-332
 - trusted locations, configuring, 326
 - Imaging, 256-257, 266-272
 - Lists, 273
 - creating list items, 281-282
 - deleting list items, 281-282
 - filtering, 287-288
 - querying hierarchical list items, 283-285
 - retrieving lists/list items, 275-277
 - revision control, 286
 - updating, 278-282
 - Official File
 - querying, 374-375
 - record repositories, creating, 375-376
 - Records Center, 370
 - Spell Checker, 377-379
 - User Group
 - methods, 315-316
 - WPF data binding, 316-318
 - User Profile
 - methods, 308-309
 - user profile properties, retrieving, 310-311

- User Profile Web Change, 312-314
- Versions, 383-384
- Views, 288-289
- Web Part Pages
 - adding Web Parts, 339-341
 - methods, 337-339
 - querying, 344-345
 - Safe Assemblies, 345
 - updating Web Parts, 342-343
- Workflow
 - methods, 360
 - starting workflows, 367
 - tasks, 362-367
 - templates, retrieving, 366-367
 - workflow data, retrieving, 361-362
- Visual C# 2005 Express Edition
 - download, 18
- web template IDs, 40-41**
- WebApplication property (SPSite class), 22, 38**
- WebBrowsable attribute, 194**
- WebControl class, 166**
- WebDescription attribute, 194**
- WebDisplayName attribute, 194**
- WebFullUrl column (lists), 275**
- WebId column (lists), 275**
- WebId property (SPListEventProperties class), 71**
- WebImageHeight column (lists), 274**
- WebImageWidth column (lists), 274**
- WebPart class (SharePoint versus ASPNET), 185**
- WebPartConnection Collection Editor, 223**
- WebPartManager class**
 - static connection properties, 224
 - Web Parts, connecting, 223
- WebPartManager control, 173-176**
- WebPartZone class, 185**
- WebPartZone control, 173**
- webs**
 - creating, 44-45
 - information, accessing, 45
 - SPWeb class, 42-43
 - updating, 46
- Webs property (SPWeb class), 43**
- websites**
 - AdventureWorks SQL database, 113
 - hierarchy, 36
 - Sharepoint 2007 SDK, 148
 - SmartPart, 183
 - U2U CAML Query Builder download, 11
 - Visual Studio 2005 Extensions for Windows
 - Workflow Foundation template, 148
- WebUrl property**
 - SPLItemEventProperties class, 74
 - SPListEventProperties class, 71
- WelcomePage property (SPFolder class), 86**
- WF (Windows Workflow Foundation), 147, 359**
 - templates, installing, 147-148
 - Workflow Web Service
 - methods, 360
 - tasks, 365-367
 - templates, retrieving, 366-367
 - workflow data, retrieving, 361-362
 - workflows, starting, 367
- wildcard Finders, 130-131**
- Windows Forms applications**
 - DocLibPicker.cs, 89-90
 - Feature Enumerator, 29
 - Form1.cs, 86-88
- Windows Presentation Foundation (WPF), 316**
- Windows SharePoint Services (WSS), 15**
- Windows Workflow Foundation. See WF**
- WindowsCredentials authentication mode (BDC), 111**
- WinForms applications**
 - creating, 21-22
 - deploying, 22-23
- workbooks (Excel). See also Excel Services**
 - application logic, 322
 - business intelligence, 322
 - hello world example, 326-328
 - managing, 322
 - multiple named ranges client application
 - example, 328-329
 - reading/writing ranges and saving temporary
 - workbooks application, 329-332
- Workflow Web Service**
 - methods, 360
 - tasks
 - claiming, 366
 - data, retrieving, 367
 - modifying, 365-366
 - releasing, 366
 - retrieving, 362-365
 - templates, retrieving, 366-367
 - workflows
 - data, retrieving, 361-362
 - starting, 367
- workflow.xml file, 157**
- WorkflowAssociations property (SPList class), 50**
- WorkflowId column (lists), 275**
- WorkflowManager property (SPSite class), 38**

workflows

- approval, 148
 - associations, 150
 - batch file for installation file, 158-159
 - building, 150
 - coding, 155-156
 - data, retrieving, 361-362
 - deploying, 156-159
 - feature.xml file, 156-157
 - forms, designing, 151-153
 - HelloWorldSequentialWorkflow Assembly
 - features.xml file, 156-157
 - install.bat file, 158-159
 - workflow designer, 155
 - workflow.xml file, 157
 - instances, 150
 - modeling, 153-155
 - starting, 367
 - submitting files to records repositories, 373
 - support, 153
 - tasks
 - claiming, 366
 - data, retrieving, 367
 - modifying, 365-366
 - releasing, 366
 - retrieving, 362-365
 - templates, 149, 366-367
 - Web Service, 360
 - workflow.xml file, 157
- Workflows property (SPListItem class), 51**
- WorkflowTemplates property (SPWeb class), 43**
- workspaces**
- Document
 - creating, 242-244
 - data, retrieving, 244-246
 - deleting, 243-244
 - document ID storage, 251-252
 - folders, 248

- metadata, retrieving, 246-247
 - overview, 241
 - URLs, validating, 242
 - users, managing, 253
- Meeting, 291**
- attendee responses, 105
 - available, listing, 293-294
 - calendar events, linking, 105
 - creating, 97-98, 295-296
 - creating meetings, 102-104, 298-299
 - deleting, 296-297
 - deleting meetings, 104, 300-301
 - details, modifying, 297
 - lists, 100, 304
 - meeting attendance, 302-303
 - Meeting Series list, 100-101
 - modifying meetings, 104
 - restoring meetings, 302
 - sites, creating, 292
 - templates, 295
 - updating meetings, 301
- WPF (Windows Presentation Foundation), 316**
- WriteLocked property (SPSite class), 38**
- WriteRssFeed method (SPList class), 55**
- WriteSecurity column (lists), 274**
- WSS (Windows SharePoint Services), 15**

X-Z

- XML data, 260-261**
- Xml property (SPListItem class), 51**
- Zone property**
 - SPItemEventProperties class, 74
 - SPSite class, 38
- zones (Web Parts), 178**