

# Index

## A

**Absolute paths, 110–111**

**Access databases. See database(s),**

**Access**

**Access, Microsoft, 308**

cost of, 308

microsoft.com/office/access, 308

Office v., 308

**AccessDataSource controls, 324**

**accessibility, 430**

**Accessibility Checker dialog box, 438**

**accessibility reports, 437**

**accessibility standards, 429**

checking, 437–440

conforming to, 433–437

Lynx and, 434, 435

types of, 433

users with disabilities and, 430

**Accessibility Task Pane, 437–438**

accessibility flaws listed in, 439

features, 438–439

Generate HTML Report, 439, 440

Next Result, 438

Previous Result, 438

Refresh Changed Results, 439

Run Accessibility Checker, 438

Show Problem Details, 439

purpose of, 15

**accessibility tests, 441–446**

applet, 445

color/style, 442–443

data table, 444–445

form/scripting, 443–444

frame, 444–445

image, 441–442

imagemap, 442

multimedia, 445

other, 446

**actions, 233**

**Add Choice dialog box, 247**

**Add WHERE clause dialog box, 333**

functionality of, 333–334

Column menu, 334

Operator, 334

Parameter properties, 334

Source menu, 334

SQL Expression label, 334

Value label, 334

WHERE clause, 334

**admin.aspx page. See Vecta Corp Web site, admin.aspx page**

**Advanced button form control, 276–277**

**Advanced SQL Generation Options dialog box, 358**

**Advanced tab (Page Properties dialog box)**

Bottom Margin, 28

Left Margin, 27

Right Margin, 28

Top Margin, 27

**align attribute, 102**

**alignment, text, 42**

**alt attribute, 102, 441**

**Appearance tab (Picture Properties dialog box), 99–100**

Layout group, 99

Size group, 100

Wrapping style group, 99

**applet tests, 445**

**Application Service Provider.** *See* **ASP**

**Application services, 389, 392.** *See also*  
**forms authentication**  
configuring, 392–394  
ASP.NET SQL Server Setup Wizard and,  
393

**Apply Styles Task Pane**  
applying styles to elements with, 152–153  
functionality of, 153–156  
Attach Style Sheet, 153  
New Style, 153  
Options, 153  
Manage Styles Task Pane v., 157  
purpose of, 14  
Style Selection List in, 154–156

**Arial font, 37**

**ASP (Application Service Provider), 275, 299**  
validation, 372, 373

**ASP.NET, 299.** *See also* **forms authentication; .NET Framework**  
asp.net, 300  
.NET Framework Redistributable  
download, 300  
.NET Framework SDK download, 300  
complexity of, 303  
development server, 67  
installing, 299–300  
Web application security and, 389–412  
Web pages  
creating simple, 301–303  
Data Source Details Task Pane and, 305  
Data Source Library Task Pane and, 304  
Expression Web and development of,  
303–305  
New dialog box and, 303, 304  
Tag Properties Task Pane and, 303  
Toolbox Task Pane and, 303, 304

**ASP.NET SQL Server Setup Wizard, 393**

**ASP.NET Validation controls.** *See* **Validation controls, ASP.NET**

**assistive technologies, 433–434**

**Attach Style Sheet dialog box, 164**

**attributes, 101**  
list of, 102–103

**authentication methods, 391.** *See also*  
**forms authentication**  
forms, 391  
passport, 391  
Windows, 391

**Authentication mode menu, 396**

**AutoFormat dialog box, 341**  
formatting GridView control with, 341, 342,  
343

## B

**Background category (New Style dialog box), 143–144**  
properties in, 143–144  
background-attachment, 144  
background-color, 144  
background-image, 144  
background-repeat, 144  
border-color, 145  
border-width, 145  
x and y background-position, 144

**Base Class Library, 316**

**behaviors, 231–255**  
Call Script, 238  
Change Property, 238–242  
Change Property Restore, 242  
Check Browser, 243–244  
Check Plug-in, 244–245  
events in, 233  
Go To URL, 245–246  
inserting, 234–235  
JavaScript and, 232–233  
Jump Menu, 246–248  
Jump Menu Go, 248  
Open Browser Window, 248–250  
Play Sound, 250–251  
Popup Message, 234, 235  
Preload Images, 251  
Set Text, 252

Swap Image, 252–254  
 Swap Image Restore, 253, 254

### **Behaviors Task Pane, 232**

features of, 235–236
 

- actions, 235
- Delete, 236
- events, 235
- Insert, 236
- Reposition Behavior, 236
- Tag, 236

 inserting behaviors with, 234–235  
 purpose of, 14

### **blank targets, 111**

### **Block category (New Style dialog box), 142–143**

properties in, 142–143
 

- letter-spacing, 143
- line-height, 142
- text-align, 142
- text-indent, 143
- vertical-alignment, 142
- whitespace, 143
- word-spacing, 143

### **Bold icon, 40, 41**

### **bookmarks, 114–116**

inserting and linking to, 114–116

### **border attribute, 102**

### **Border category (New Style dialog box), 145**

properties in, 145
 

- border-color, 145
- border-style, 145
- border-width, 145

### **borders, 47–48**

colors of, 48

### **Borders and Shading dialog box, 215–216**

Borders tab, 216
 

- functionality of, 216

 Shading tab, 216
 

- functionality of, 217

### **Borders tab (Borders and Shading dialog box)**

Color, 216  
 Padding, 216

Preview, 216  
 Setting, 216  
 Style, 216  
 Width, 216

### **Box category (New Style dialog box), 146**

properties in, 146
 

- margin, 146
- padding, 146

### **broken links, checking for, 124–126**

### **browsers. *See also* Preview in Browser menu**

Check Browser behavior and, 243–244  
 Check Plug-in behavior and, 244–245  
 previewing Web page in, 53–56

### **building block services, 392. *See also***

#### **Application services**

### **bulleted lists, 43–44**

### **BulletList control, 329**

### **business logic tier, 290. *See also* server-side technologies**

server-side technologies and, 290, 298

### **button form control, 273**

### **Button tab (Interactive Buttons dialog box)**

Buttons property, 121  
 Link property, 121  
 Preview property, 121  
 Text property, 121

## **C**

### **Call Script behavior, 238**

### **Cascading Style Sheets (CSS), 1. *See also* behaviors**

client-side Web development and, 231, 291  
 creating, 130–131  
 defining styles in, 131–133
 

- classes, 131
- ID, 131–132
- tag redefinitions, 132–133

 document-wide, 130  
 Expression Web's integration with, 135–167  
 external file, 130  
 HTML v., 129, 133–134

### **Cascading Style Sheets (CSS) (continued)**

inline, 130  
introduction to, 130–133  
page formatting with, 129–167  
rules in, 130–131

### **Categories (New Style dialog box), 140, 141–151**

properties of, 141–151

### **Categories table (Vecta Corp database), 311**

### **Cell Properties dialog box, 186**

functionality of, 186–187  
Background color, 187  
Background picture, 187  
Border Color, 187  
Border Size, 187  
Columns spanned, 186  
Header cell, 186  
Height, 186  
Horizontal alignment, 186  
No wrap, 186  
Rows spanned, 186  
Vertical alignment, 186  
Width, 187

Layout Cells and, 198–199

### **cells. See table(s), cells in**

### **Change Property behavior, 238–242**

### **Change Property dialog box, functionality of, 240, 241–242**

Add, 242  
Borders, 242  
Current Element, 241  
Element ID, 241  
Element Type, 241  
Font, 241  
Modify, 242  
position, 241  
Property List, 241  
Remove, 242  
Restore on mouseout event, 242  
Select Element, 241  
visibility, 242

### **Change Property Restore behavior, 242**

### **ChangePassword control, 411–412. See also Login controls**

### **Check Browser behavior, 243–244**

### **Check Plug-in behavior, 244–245**

### **Checkbox form control, 268**

checked property, 268

value property, 268

### **CheckBoxList control, 329**

### **checkpoints, WCAG, 432. See also Web content accessibility guidelines**

### **Chicago Sun-Times XML sports feed, 425, 426**

suntimes.com/rss/sports/index.xml, 425

### **Choose Data Source Library dialog box, 319**

### **class attribute, 102**

### **classes (selector), 131**

defining styles with, 131

green dot and, 156

### **client, 286**

dynamic Web page process and, 287

static Web Page process and, 286

### **client-side technologies, 286**

CSS, 231, 291

HTML, 231, 291

JavaScript, 231–232, 291

media elements, 291

presentation tier and, 289, 290–291

### **client-side validation, 372–373. See also**

#### **Validation controls, ASP.NET**

limitations of, 372–373

server-side validation v., 373

### **client-side Web development, 231, 286**

behaviors and, 231–255

CSS and, 231, 291

HTML and, 231, 291

JavaScript and, 231–232, 291

### **ClientValidationFunction, 386**

### **CLR. See Common Language Runtime**

### **Codd, E.F., 305**

### **Code view toolbar, usage of, 19**

### **collapse visibility, 149**

**color(s)**

- background, 26, 45
- border, 48
- highlighting with, 26, 45
- horizontal line, 50
- hyperlink, 27
- text, 27, 45–47
- Web-safe, 46

**Color dialog box, 47****color tests, 442–443****columns, database, 307****columns/rows. See table(s), rows/columns in****Common Language Runtime (CLR), 299****Common toolbar, 16**

- usage of, 19

**CompareValidator control, 378–380**

- adding/configuring, 378–379
  - result of, 380
- properties and
  - ControltoCompare, 379
  - Operator, 379
  - Type, 380
  - ValueToCompare, 380
- TextBox control and, 378, 379

**Compatibility Task Pane, purpose of, 15****Conditional Formatting Task Pane, purpose of, 15****Configure Data Source Wizard, 326–328**

- Choose Your Data Connection screen in, 326, 327
- Configure the Select Statement screen
  - Advanced button, 328
  - Columns pane, 327–328
  - Name menu, 327
  - ORDER BY button, 328
  - “Return only unique rows” checkbox, 328
  - “Specify a custom SQL statement or stored procedure” button, 326
  - “Specify columns from a table or view” button, 326
  - WHERE button, 328

- Configure the Select Statement screen in,
  - SELECT statement, 328
- DataSource control and, 326–328
- Query Builder in, 345, 346
- Test Query screen in, 328

**Configure the Select Statement screen. See Configure Data Source Wizard****Configured Data Source Configuration****Wizard dialog box, 361, 362****Connection Properties dialog box, 319, 322****context menus, 3, 4**

- development area, 20
  - function of, 19–20
- contextual selectors, 160–164. See also selectors**
- active, 161
  - building, 227
    - CSS-P layers and, 226–227
  - hover, 161, 162
    - navigation menu links and, 163–164
  - link, 161
  - visited, 161
  - working with, 162–164

**ControltoCompare property, 379****ControlToValidate property, 375, 377****Copy Web Site window, 57, 82–83, 90**

- functionality of, 82–83
  - Author, 83
  - Local Web Site Pane, 83
  - Modified, 83
  - Name, 83
  - Optimize Published HTML, 83
  - Publish All Changed Pages, 83
  - Remote Web Site Pane, 83
  - Remote Web Site Properties, 83
  - Size, 83
  - Status, 83
  - Type, 83
  - View, 82–83
- transferring files with, 83–86

**Courier font, 37**

### **CreateUserWizard control, 403–406. See**

#### **also Login controls**

properties of

- AutoGeneratePassword, 404
- CompleteSuccessText, 404
- ContinueDestinationPageUrl, 405
- LoginCreatedUser, 405
- MailDefinition, 405
- RequireEmail, 405

testing functionality of, 405–406

### **CSS. See Cascading Style Sheets**

### **CSS positioning (CSS-P), 218**

layers and, 218–230

### **CSS Properties Task Pane**

adding properties to style rule with,  
158–159

functionality of, 159

- Applied Rules list, 159
- CSS Properties, 159
- Show alphabetized list, 159
- Show categorized list, 159
- Show set properties on top, 159
- Summary, 159

managing styles with, 157–158

purpose of, 14

table properties and, 177

### **CSS Reports dialog box, 165**

- Errors tab, 165
- Usage tab, 165

### **CSS Reports results Task Pane, 166**

### **CSS Reports Task Pane, purpose of, 15**

### **CSS Style List (Manage Styles Task Pane), 157**

### **CSS usage and error reports, 165–166**

### **CSS-P. See CSS positioning**

### **CustomValidator control, 385–386**

ClientValidationFunction and, 386

## **D**

### **data binding hierarchy**

- Data controls in, 317
- data providers in, 316, 317, 324

- database in, 316, 317
- DataSource controls in, 317
- List Bound controls in, 317
- presentational elements in, 317

### **Data controls, 331–332. See also DataList control; GridView control**

- data binding hierarchy and, 317
- DataList, 332, 345–353
- DetailsView, 332
- FormView, 332
- GridView, 332–344
- Repeater, 332
- templates used in, 350–351
- types of, 332

### **data providers, 316**

data binding hierarchy and, 316, 317, 324

### **Data Source Configuration Wizard, 330**

### **Data Source Details Task Pane**

- ASP.NET and, 305
- purpose of, 15
- XML bindings with, 417, 420–425

### **Data Source Library Task Pane**

- ASP.NET Web page and, 304
- connecting to Access database with,  
318–321
- connecting to databases with, 316–323
- connecting to SQL Server 2005 Express  
Edition databases with, 321–323
- purpose of, 15
- XML files and, 417, 419–420

### **data storage tier, 290. See also database(s)**

databases and, 305

### **data table tests, 444–445**

### **Data View menu item (menu bar), usage of, 6**

### **database(s), 305–313**

- Access, 308
- connecting to, 318–321
- Data Source Library Task Pane and,  
318–321
- benefits of, 306
- columns, 307

- components of, 306–307
- connecting to, 315
  - Data Source Library Task Pane and, 316–323
- data binding hierarchy and, 316–317
- data storage tier, 290, 305
- DBMS and, 306
- filing cabinet as, 305
- model of relational, 305
- rows, 307
- SQL and, 312–313
- SQL Server 2005 Express Edition, 308–309
  - connecting to, 321–323
    - Data Source Library Task Pane and, 321–323
- tables, 307
- types of, 307, 308
- database administrator (DBA), 308**
- database management system (DBMS), 306**
- DataList control, 332**
  - adding, 346–347
  - creating complex joins in, 345
    - Query Builder and, 345–346
  - formatting, 347
    - Property Builder and, 347–350
  - templates and, 350–353
    - adding separator with, 351–353
      - AlternatingItemTemplate in, 351
      - EditItemTemplate in, 351
      - FooterTemplate in, 351
      - HeaderTemplate in, 351
      - ItemTemplate in, 351, 352
      - SelectedItemTemplate in, 351
      - SeparatorTemplate in, 351
  - working with, 345–353
- DataSource controls, 324–325**
  - AccessDataSource, 324
  - adding/configuring, 325–328
    - Advanced SQL Generation Options dialog box in, 358
  - inserts/updates/deletes support in, 357–358
  - Configure Data Source Wizard and, 326–328
  - data binding hierarchy and, 317
    - SqlDataSource, 324, 325
- DBA. See database administrator**
- DBMS. See database management system**
- Define Custom Statements or Stored Procedures dialog box, 346, 347**
- definition list, 44**
- deployment, of Web sites, 87**
  - Personal Web Packages and, 57, 87–90
- DetailsView control, 332**
- development area, 7, 8**
  - context menu of, 20
  - customization of, 8–9
  - page size of, 9
- development environment, Expression Web, 3–4**
  - five components of, 3–4
- Development window. See Document window**
- DHTML. See Dynamic HTML**
- dictionary, Expression Web**
  - adding words to, 50–51
    - spell-checking engine and, 50–53
- dir attribute, 102**
- disabilities, Web access and, 430**
- Display property, 377**
- DIV Tags, 223**
  - external style sheet and insertion of, 223–226
- docked position, 2, 16**
- Document relative paths, 110**
- Document window, 3, 4**
  - components of, 7–8
  - function of, 7–8
- document-wide CSS files, 130**
- Double-A WCAG standards, 433**
- Download Patches page, 323–324**
  - building, 323–324
- Drop-Down Box form control, 270–273**

**Drop-Down Box Properties dialog box, 271, 272, 273**

**drop-down menus. See Drop-Down Box form control**

**DropDownList control, 329**

adding, 330–331

**Dynamic HTML (DHTML), 204**

Netscape, Internet Explorer and, 204–205

**dynamic Web pages, 287–288**

process, 287

static v., 287

Vecta Corp Web site and, 313–314

Web application with, 289

**Dynamic Web Template toolbar, usage of, 19**

## E

**eBay, forms and, 258–259**

**Edit (menu bar), usage of, 5**

**Edit Browser List dialog box, 54–55**

Add button, 55

Additional window sizes, 55

“Automatically save page before previewing”  
checkbox, 55

Browsers list, 54

features, 54–55

Modify button, 55

Remove button, 55

**Edit Hyperlink dialog box, 114**

checking for broken links and, 125, 126

Remove Link, 114

**Edit Rule dialog box, 397**

**Edit Tag option (Quick Tag selector), 13**

**e-mail address links, 116–117**

**EnableClientScript property, 377–378**

**Enabled property, 378**

**ErrorMessage property, 375, 378**

**Errors tab (CSS Reports dialog box), 165**

**events, 101, 233**

list of, 236–237

**Export Web Package dialog box, 88**

options in, 88

Add, 88

Files in Package pane, 88

Files in Web Site pane, 88

Properties, 88

Remove, 88

Show Dependencies, 88

Total size, 88

**Expression Web, Microsoft**

accessibility standards and, 430–447

building Web page in, 21–56

built-in Web server of, 296–298

CSS integration in, 135–167

function of, 1–2

introduction to, 1–20

visual XML authoring environment of,  
417–428

WebDAV and configuring, 78–79

working with Web sites in, 57–91

**Extensible Markup Language (XML), 1**

binding data to Web page and, 417,  
420–425

Change Layout option in, 424

Conditional Formatting option in, 424

Data Source Details Task Pane, 417,  
420–425

Data Source Library Task Pane, 417,  
419–420

Data View Preview option in, 424

Data View Properties option in, 425

Edit Columns option in, 424

Filter option in, 424

Multiple Item View, 421

Refresh Data View option in, 424

Single Item View, 422

Sort option in, 424

creating document in, 418–420

Data Source Library Task Pane and  
employees.xml file, 419, 420

New Page dialog box and, 417, 418–420

XML declaration in, 418

Expression Web and, 417–428

introduction to XSL and, 413–416

metadata and, 413



**extensions, 58. See also FrontPage Server**

**Extensions**

**external CSS files, 130**

**external style sheets, 138**

- creating style rule within, 138–139, 140
  - New Style dialog box and, 138–139, 140
- imported v. linked, 156
- layers, CSS and, 218–226

## F

**Fields dialog box, 338**

- GridView control's columns and, 338–340
- options in, 338–339
  - Auto-generate fields checkbox, 339
  - Available fields pane, 338
  - BoundField properties, 339
  - Convert this field into a TemplateField, 339
  - Refresh Schema link, 339
  - Selected fields pane, 339

**file field form control, 277–278**

**File menu item (menu bar), usage of, 5**

**File System option, Web server connection with, 79**

**File Transfer Protocol (FTP)**

- disadvantages of, 75
- FrontPage Server Extensions v., 71
- remote Web server connection with, 73–75
- WebDAV v., 75–76

**files**

- deleting, 66
- renaming, 66
- transferring, 83–86

**filing cabinet, database as, 305. See also database(s)**

**Find 1 Task Pane, 15**

**Find 2 Task Pane, 15**

**float property, nested layers and, 222**

**floating position, 2, 16**

**fly-out menu, 214, 215**

**Folder List Task Pane**

- create new folders/pages with, 62–64

- deleting files with, 66
- purpose of, 14
- renaming files with, 66
- setting home page with, 65–66
- working with, 62–66

**font(s), 37–39**

- sizes of, 39–40

**Font category (New Style dialog box), 142**

- properties in, 142
  - color, 142
  - font-size, 142
  - font-style, 142
  - font-variant, 142
  - font-weight, 142
  - text-decoration, 142
  - text-transform, 142

**font families, 37–38**

- creation of, 38–39

**Font option text change, 38**

**Font tab (Interactive Buttons dialog box),**

**121, 122, 123**

- options in, 123
  - Font, 123
  - Font Style, 123
  - Horizontal and Vertical Alignment, 123
  - Hovered Font Color, 123
  - Original Font Color, 123
  - Pressed Font Color, 123
  - Preview, 123
  - Size, 123

**form control(s)**

- Advanced button, 276–277
- button, 273
- Checkbox, 268
  - checked property, 268
  - value property, 268
- Drop-Down Box, 270–273
- file field, 277–278
- forms v., 259
- Group Box, 280–281
- hidden field, 279
- Image field, 275–276
  - src property, 276

### **form control(s) (continued)**

introduction to forms and, 257–260

Label, 281–282

list of, 263

Password, 264

properties, 265–266

class, 266

disabled, 266

readonly, 266

tabindex, 266

type, 265

Radio button, 268–270

Reset button, 273, 274

Submit button, 273, 274

Tag Properties Task Pane, 261–263

Text Area, 266–267

cols property, 267

rows property, 267

Text Field, 264–266

properties of, 264–265

working with forms and, 260–283

### **form tests, 443–444**

### **Format menu item (menu bar), usage of, 6**

### **Formatting tab (Page Properties dialog box)**

Active hyperlink color, 27

Background color, 26

Background picture, 26

Hovered hyperlink color, 27

Hyperlink color, 27

Make it a watermark, 26

Text color, 27

Visited hyperlink color, 27

### **Formatting toolbar, usage of, 18**

### **forms**

eBay and, 258–259

form controls v., 259

introduction to, 258–260

properties of, 260–263

request/response process for, 274–275,  
291

testing, 274–275

working with form controls and, 260–283

### **forms authentication, 391**

configuring, 392, 394–398

configuring application services in,  
391–392

creating login page in, 389, 393, 398–400

implementing Login controls in, 392

### **FormView control, 332**

adding/configuring, 360–363

SolutionID DataBindings dialog box and,  
363

templates and, 359

EditItemTemplate in, 359

HeaderTemplate in, 359

InsertTemplate, 359

ItemTemplate in, 359

PagerTemplate in, 359

working with, 359–363

### **FormView controls, templates and,**

**FooterTemplate in, 359**

### **frame tests, 444–445**

### **Framework Class Library, 299, 316**

### **FrontPage Server Extensions, 71–72**

benefits of, 71

FTP v., 71

installation of, 72–73

remote Web server connection with, 72–73

### **FTP. See File Transfer Protocol**

## **G**

### **General tab (Page Properties dialog box), 24–26**

Background sound location, 26

Background sound loop, 26

Base location, 25

Default target frame, 25

Keywords, 25

Location, 25

Page description, 25

Title, 25

### **General tab (Picture Properties dialog box), 99**

Accessibility group, 99

Hyperlink group, 99

Picture group, 99

**get method, 261, 262**

**GIF. See Graphical Interchange Format**

**Go To URL behavior, 245–246**

**Graphical Interchange Format (GIF), 94**

**GridView control, 332**

Add WHERE Clause dialog box and,  
333–334

adding, 332–337

Edit and Delete hyperlinks in, 364, 365

editing columns of, 337–340

extending, 364

modifying/deleting support through,  
364–368

Fields dialog box and, 338–340

formatting, 340–343

AutoFormat dialog box and, 341, 342,  
343

Tag Properties Task Pane and, 341

modifying/deleting database data with,  
363–368

paging/sorting, 343–345

AllowPaging in, 344

AllowSorting in, 344

PageIndex in, 344

PagerSettings in, 344–345

PagerStyle in, 344

PageSize in, 344

solution IDs and, 366–367

width restriction of, 367–368

**Group Box form control, 280–281**

## H

**headings, 35–37**

custom properties for, 37

options for, 35–36

size of, 36, 37

**height attribute, 102**

**Help menu item (menu bar), usage of, 7**

**Helvetica font, 37, 38**

**hidden field form control, 279**

purchase process scam and, 279

**hidden visibility, 149**

**highlighting, 26, 45**

**home page**

definition of, 65

setting of, 65–66

**horizontal line**

color of, 50

insertion of, 49–50

shading property of, 49

width/height adjustment of, 49, 50

**Horizontal Line Properties dialog box, 50**

**horizontal rule, 49**

**hotspots, 117–118**

images and creating, 118–120

**hover image, 123**

**hspace attribute, 102**

**HTML. See Hypertext Markup Language**

**HTML 4.0 specification, 204**

**HTML forms. See forms**

**HTML optimization, 79–80**

**HTML request/response process. See  
request/response process**

**HTML tables. See table(s)**

**hyperlinking, 110**

**hyperlinks. See also links**

active, color for, 27

color for, 27

hovered, color for, 27

preserving, 32

underlines and, 41

visited, color for, 27

**Hyperlinks Task Pane, purpose of, 15**

**Hypertext Markup Language (HTML), 1.**

**See also Dynamic HTML**

client-side Web development and, 231, 291

CSS v., 129, 133–134

hyperlinking and, 110

Markup in, 413

metadata and, 413

optimization of, 79–80

**icdri.org, 430**

**icons, toolbar, 16, 17**

**id attribute, 102**

**ID property, 378**

**IDs (selector), 131**

defining styles with, 131–132

Layers Task Pane and, 210

red dot and, 156

**IIS. See Internet Information Service**

**image(s), 94. See also Graphical**

**Interchange Format; Joint Photographic  
Experts Group; Portable Network  
Graphics**

hover, 123

layers with, 208

manipulating properties of, 96–106

multiple links within, 117–120

original, 123

Picture File Type dialog box and, 109

Picture Manager and editing, 106–108

Picture Properties dialog box and, 97,  
98–100

Pictures toolbar and, 103–106

pressed, 123

spacer, 195

Tag Properties Task Pane and, 100–103

types of, 94

Web pages and inserting, 94–96

**Image field form control, 275–276**

src property, 276

**image map, 117**

**Image Placeholder, 96**

**image rollover. See rollover images**

**Image tab (Interactive Buttons dialog box),  
123–124**

properties in, 123–124

Create hover image, 123

create pressed image, 123

Maintain proportions, 123

“Make the button a GIF image and use a  
transparent background” button, 124

“Make the button a JPEG image and use  
this background color” button, 124

Preload button images, 123

Preview, 123

Width and Height, 123

**image tests, 441–442**

**imagemap tests, 442**

**imagemaps, 442**

**indentations, 42**

**inherit visibility, 149**

**inline CSS files, 130**

yellow dot and, 156

**Input (Button), 273**

**Input (Reset) button, 273–274**

**Input (Submit) button, 273–274**

**Input (Checkbox) control form, 268**

**Input (Password) control form, 264**

**Input (Radio) control form, 268–270**

**Input (Text) control form, 264–266**

**Input (Hidden) field control, 279**

**Input (File) form control, 277–278**

**Insert HTML option (Quick Tag selector), 13**

**Insert Hyperlink dialog box, 112–114**

e-mail link and, 117

options in, 112–114

Address, 113

Bookmark button, 113

Browse the Web / Browse for File button,  
113

Link to option, 112

Look in option, 112

Parameters button, 114

ScreenTip, 112

Site directory box, 113

Target Frame button, 114

Text to display, 112

text-based links and, 112–114

**Insert menu item (menu bar), usage of, 6**

**Insert Rows or Columns dialog box,  
179–180**

**Insert Table dialog box, 171, 172, 176–177**

options in, 173–175

- Alignment, 173
  - Background color, 175
  - Background picture, 175
  - Border Color, 174
  - Border Size, 174
  - Cell padding, 174
  - Cell spacing, 174
  - Collapse table border, 174–175
  - Columns, 173
  - float property, 173
  - Height, 174
  - Layout Tools, 175
  - Rows, 173
  - Set, 175
  - Width, 174
  - Interactive Buttons, 120**
    - re-creating navigation menu with, 120–121
  - Interactive Buttons dialog box, 120, 121**
    - Button tab, 121
    - Font tab, 121, 122, 123
    - Image tab, 123–124
  - interface, Expression Web, 2–4**
  - International Center for Disability Resources, 430**
    - icdri.org, 430
    - Web accessibility standards and, 430
  - Internet e-mail address, RegularExpressionValidator control and, 384, 385**
  - Internet Explorer, 204**
    - DHTML, Netscape and, 204–205
  - Internet Information Service (IIS), 76**
    - configuring, 293–295
      - Expression Web and, 297–298
      - file location and, 294–295
      - Localhost and, 295
    - creation of virtual directory in, 76–78, 294
    - installing, 293
    - secure web applications and, 390
    - Windows operating systems supporting, 292–293
  - Internet URL, RegularExpressionValidator control and, 384**
  - ismap attribute, 102**
  - Italic icon, 40, 41**
- J**
- JavaScript, 1. See also behaviors**
    - client-side Web development and, 231–232, 291
    - fundamentals of, 232–233
  - JavaScript validation, 372. See also client-side validation**
  - jimthatcher.com/skipnav.htm., 446**
  - Joint Photographic Experts Group (JPEG), description of, 94**
  - JPEG. See Joint Photographic Experts Group**
  - Jump Menu behavior, 246–248**
  - Jump Menu dialog box, 247**
  - Jump Menu Go behavior, 248**
- K**
- Knowledgebase table (Vecta Corp database), 310**
- L**
- Label form control, 281–282**
  - lang attribute, 102**
  - Language tab (Page Properties dialog box)**
    - HTML encoding, 29
    - Page language, 29
  - layers**
    - borders/shading added to, 214–217
    - CSS-P and, 218
      - table-less Web sites with, 218–230
    - deleting, 217–218
    - drawing, 211–212
    - external style sheet and designing, 218–219
      - Content in, 219
      - CSS rules for, 219–223

## layers (continued)

---

### **layers (continued)**

- Footer in, 219
- Header in, 218–219
- inserting DIV Tags in, 223–226
- Navigation in, 219
- inserting, 205–207
- inserting content into, 207–208
- inserting image into, 208
- introduction to, 204–205
- modifying properties of, 209–211
  - Layers Task Pane and, 209–211
  - Positioning toolbar and, 209
- nested, 212–214
  - creating, 212–214
- right-clicking, 210
  - Borders and Shading in, 211
  - Cut, Copy, Paste in, 210
  - Modify ID in, 211
  - Modify Z-Index in, 211
  - Positioning in, 211
  - properties in, 210–211
  - visibility in, 210
- working with, 205–230
- z-index and, 204, 211

### **Layers Task Pane**

- Draw Layer, 210
- features of, 210
- Insert Layer, 210
- modifying layer properties with, 209–211
- purpose of, 14

### **Layout category (New Style dialog box), 148–149**

- overflow properties in, 149
  - auto, 149
  - hidden, 149
  - scroll, 149
  - visible, 149
- properties in, 148–149
  - clear, 149
  - clip top, right, bottom, and left, 149
  - cursor, 149

- display, 149
- float, 149
- visibility, 149

### **Layout Cells, 198**

- Cell Properties dialog box and, 198–199
- drawing, 198–199

### **Layout Tables**

- drawing, 193–197
- tables v., 193

### **Layout Tables dialog box, 196**

- features of, 196
  - Alignment, 196
  - Auto-scale cells with table, 196
  - Draw Layout Cell, 196
  - Draw Layout Table, 196
  - Height, 196
  - Insert Layout Cell, 196
  - Insert Layout Table, 196
  - Make Column/Row Autostretch, 195
  - Set Page Margins, 196
  - Show Layout Tool, 196
  - Table Layout, 196
  - Use Column Spacer Image, 195
  - Width, 196

### **Layout Tables Task Pane, purpose of, 14 legacy Web sites, 164**

### **line breaks, 33–35**

### **line, horizontal. See horizontal line**

### **links, 111. See also hyperlinks**

- bookmarks and, 114–116
- checking for broken, 124–126
- e-mail address, 116–117
- images with multiple, 117–120
- text-based, 111–114

### **list(s)**

- bulleted, 43–44
- definition, 44
- numeric, 43, 44

### **List Bound controls, 328–329**

- BulletList, 329
- CheckBoxList, 329

- data binding hierarchy and, 317
  - DropDownList, 329
    - adding, 330–331
  - ListBox, 329
  - RadioButtonList, 329
  - types of, 329
  - list box, 270. See also Drop-Down Box form control**
  - List category (New Style dialog box), 150**
    - properties in, 150
      - list-style-image, 150
      - list-style-position, 150
      - list-style-type, 150
  - List Properties dialog box, 44**
    - Numbers, 44
    - Other tab, 44
    - Picture Bullets, 44
    - Plain Bullets, 44
  - ListBox control, 329**
  - “Local authorization rules” list, 398**
  - Localhost, 295**
  - Login controls, 389, 392, 400, 401–403.**
    - See also forms authentication**
    - forms authentication and, 400–412
    - properties, 402
      - CreateUserText, 402
      - CreateUserURL, 402
      - DestinationPageURL, 402
      - DisplayRememberMe, 402
      - FailureAction, 402
      - FailureText, 402
      - PasswordRecoveryText, 402
      - PasswordRecoveryURL, 402
    - types of
      - ChangePassword control, 411–412
      - CreateUserWizard control, 403–406
      - LoginName control, 406, 407
      - LoginStatus control, 406
      - PasswordRecovery control, 407–411
  - login page, forms authentication and, 389, 393, 398–400. See also forms authentication**
  - LoginName control, 406, 407**
  - LoginStatus control, 406**
  - longdesc attribute, 102**
  - Lynx, 434**
    - accessibility standards and, 434, 435
- ## M
- Manage Styles Task Pane**
    - Apply Styles Task Pane v., 157
    - managing styles, 157
    - purpose of, 14
  - margins, setting of, 27–28**
  - Master Page toolbar, usage of, 19**
  - MDI. See Multiple Document Interface**
  - media elements, 291**
  - menu bar, 3, 4, 5**
    - function of, 5
    - menu items within, 5–7
      - usage of, 5–7
  - metadata, 413**
  - Microsoft Access. See Access, Microsoft**
  - Microsoft Expression Web. See Expression Web, Microsoft**
  - Microsoft Office bundle. See Office, Microsoft**
  - Microsoft Office Picture Manager. See Picture Manager, Microsoft Office**
  - Microsoft SQL Server 2005 Express Edition. See SQL Server 2005 Express Edition, Microsoft**
  - microsoft.com/office/access, 308**
  - microsoft.com/sql, 308**
  - Modify Style dialog box, 155**
  - Modify Table dialog box, 176–177**
  - More Colors dialog box, 46**
  - msdn.microsoft.com/vstudio/express/sql/download, 308, 309**
  - multimedia tests, 445**
  - Multiple Document Interface (MDI), 2–4**
  - Multiple Item View, 421**

## N

**name attribute, 102**

**natural language, 446**

**navigation menus**

Interactive Buttons and rebuilding, 120–121

Jump Menu behavior and, 246–248

**nested layers. See layers, nested**

**nested tables. See table(s)**

**.NET, 298–299**

features of, 299

**.NET Framework, 299**

ASP.NET in, 299

CLR in, 299

download, 300

Framework Class Library in, 299, 316

installing ASP.NET and, 299–300

Windows Update Web site, 300

main parts of, 299

**.NET Framework SDK. See .NET Framework Software Development Kit**

**.NET Framework Software Development Kit (SDK), 300**

download, 300

**.NET initiative, aim of, 298**

**.NET platform, 299**

**.NET products, 299**

**.NET services, 299**

**Netscape, 204**

DHTML, Internet Explorer and, 204–205

**New Connection dialog box, 319, 320, 323**

**New dialog box, 22**

ASP.NET and, 303, 304

Description feature, 23

functionality, 22–23

Options, 23

Page / Web Site Categories, 23

Page / Web Site Tabs, 22

Page tab, 22

Page Type List, 23

Preview, 23

Web Site tab, 59, 60

**New Page dialog box, 417**

creating XML document from, 418–420

**New Style dialog box**

categories in, 141–151

Background, 143–144

Block, 142–143

Border, 145

Box, 146

Font, 142

Layout, 148–149

List, 150

position, 147–148

Table, 150–151

creating style rule in external style sheet with, 138–139, 140

options in, 139–140

Apply new style to document selection, 139

Define in, 139

Description feature, 140

Preview option, 140

Properties, 140

Selector, 139

URL text box, 140

**New Web Site dialog box, 60**

Categories List, 60

Description, 60

functionality/features of, 60

Location, 60

Options, 60

Preview, 60

Web Site Type List, 60

**New Web Site Location dialog box, 61**  
**numeric lists, 43, 44**

## O

**objects, 233**

**Office, Microsoft, 308**

**Office Picture Manager. See Picture Manager, Microsoft Office**

**OLTP. See online transaction processing**



**onblur event, 237**  
**onclick event, 236**  
**ondblclick event, 236**  
**onfocus event, 237**  
**online transaction processing (OLTP), 308**  
**onload event, 237**  
**onmousedown event, 236**  
**onmouseout event, 237**  
**onmouseover event, 237**  
**onmouseup event, 236**  
**onunload event, 237**  
**Open Browser Window behavior, 248–250**  
   pop-up windows and, 248–250  
**Open Browser Window dialog box, 250**  
   Attributes, 250  
   functionality of, 250  
   Go to URL, 250  
   Window name, 250  
   Window width/height, 250  
**Operator property, 378**  
**optimistic concurrency, 328**  
**original image, 123**  
**Outside Borders icon, 47, 48**

## P

**Page Properties dialog box, 24–29**  
   Advanced tab, 27–28  
   Custom tab, 28  
   Formatting tab, 26–27  
   General tab, 24–26  
   Language tab, 29  
**page title, 4**  
**paging/sorting GridView control, 343–345**  
**paragraph breaks, 33–35**  
**Parameter Values Editor dialog box, 334, 335**  
**parent targets, 111**  
**passport authentication, 391**  
**Password form control, 264**  
**PasswordRecovery control, 407–411. See also Login controls**  
**Paste option, 31**  
**Paste Text dialog box, 31–32**  
   options in, 32  
     Many [pre] formatted paragraphs, 32  
     Normal paragraphs with/without line breaks, 32  
     One [pre] formatted paragraph, 32  
     Plain text, 32  
**Patches table (Vecta Corp database), 310–311**  
**paths, 110–111**  
   Absolute, 110–111  
   Document Relative, 110  
   Site Root Relative, 110  
**Personal Web Packages, 57, 87–90**  
**Phone number, RegularExpressionValidator control and, 384**  
**Picture dialog box, 96**  
**Picture File Type dialog box, 109**  
**Picture Manager, Microsoft Office, 97**  
   editing images with, 106–108  
   features of, 108  
**Picture Properties dialog box, 97, 98–100**  
   Appearance tab, 99–100  
   General tab, 99  
   limitations of, 100  
   manipulating images with, 98–100  
**pictures. See image(s)**  
**Pictures toolbar, 103–106**  
   editing images with, 105–106  
   image-editing features of, 103–104  
   images and, 103–106  
   Save Embedded Files dialog box and, 105  
   usage of, 19  
**Play Sound behavior, 250–251**  
   stopping sound in, 251  
**plug-ins, 244**  
   Check Plug-in behavior and, 244–245  
**PNG. See Portable Network Graphics**  
**Popup Message behavior, 234, 235**  
**pop-up windows, 248**  
   Open Browser Window behavior and, 248–250  
**Portable Network Graphics (PNG), 94**

### **Position category (New Style dialog box), 147–148**

- position properties
  - absolute, 147
  - fixed, 147
  - relative, 147
  - static, 147
- properties in, 147–148
  - top, right, bottom, and left, 148
  - width and height, 148
  - z-index, 148

### **Positioning option (Quick Tag selector), 13**

#### **Positioning toolbar**

- properties of, 209
  - Bring Forward and Send Backward, 209
  - Height, 209
  - modifying layer properties with, 209
  - Width, 209
  - z-index, 209
- usage of, 19

### **post method, 261, 262, 263**

### **Preload Images behavior, 251**

- rollover images and, 251

### **presentation tier, 289. See also client-side technologies**

- client-side technologies and, 289, 290–291

### **pressed image, 123**

#### **Preview in Browser menu**

- Edit Browser List option in, 53–55
- features in, 53
- list of browsers in, 54

### **Procedural Language SQL, 312**

#### **Property Builder, 347**

- formatting DataList control with, 347–350
- properties, 350
  - Appearance, 350
  - Borders, 350
  - Format, 350
  - General, 350
  - Objects, 350

#### **Publish Log, 86**

#### **publishing, of web sites, 69–87**

## **Q**

### **Query Builder, 345**

- complex joins in DataList control with, 345–346
- Configure Data Source Wizard and, 345, 346

### **Quick Tag Selector, 7, 8**

- expander arrow in, 12
- function of, 11–12
- submenu options in, 13

## **R**

### **Radio button form control, 268–270**

### **RadioButtonList control, 329**

### **RangeValidator control, 380–382**

- adding/configuring, 380–382
- result of, 381

### **Really Simple Syndication (RSS), 425**

### **Really Simple Syndication (RSS) feeds, 425**

- consuming, 425–428
- working with, 417, 425–428

### **redefining HTML tags. See tag redefinitions**

### **re-docked position, 2, 16**

### **regular expression, 384**

### **Regular Expression Editor dialog box, 384**

### **RegularExpressionValidator control, 383–385**

- adding/configuring, 384
- Internet e-mail address and, 384
  - error message for invalid, 385
- Internet URL and, 384
- Phone number and, 384
- Social Security Number and, 384
- ZIP code and, 384

### **relational database design model, 305. See also database(s)**

### **Relay Restrictions dialog box, 411**

### **Remote Web server type(s), 70–79**

- File System option, 79
- FrontPage Server Extensions, 71–73
- FTP, 73–75

setting of, 70–79

WebDAV, 75–79

**Remote Web Site Properties dialog box, 69–70**

Optimize HTML tab, 70, 79–80

Comments, 80

Generated HTML, 80

whitespace, 80

Publishing tab, 70, 80–81

Changes group, 81

General category, 80, 81

Logging category, 80, 81

Publish group, 81

removing elements with, 79–80

**Remote Web Site tab, 70. See also Remote Web server type(s)**

**Remove Tag option (Quick Tag selector), 13**  
**Repeater control, 332**

**request/response process. see also Web server(s)**

forms and, 274–275, 291

Web server and, 291

**RequiredFieldValidator control, 375, 376–378**

adding/configuring, 376–378

result of, 377

properties and

ControlToValidate, 375, 377

Display, 377

EnableClientScript, 377–378

Enabled, 378

ErrorMessage, 375, 378

ID, 378

SetFocusOnError, 378

Text, 378

ValidationGroup, 378

**resampling, 96**

**Reset button form control, 273, 274**

**resize handles, 207**

**Reuse Properties option (Style Application toolbar), 137**

**rollover images, 251, 252**

creating, 253–254

Preload Images behavior and, 251

Swap Image behavior and, 252–254

**rows, database, 307**

**rows/columns. See table(s), rows/columns in**

**RSS. See Really Simple Syndication rules. See style rules**

## S

**sans-serif fonts, 37, 38**

**Save As dialog box, 23–24**

**Save Embedded Files dialog box, 105–106**

options in, 106

Change Folder, 106

Embedded files to save, 106

Picture File Type, 106

Picture preview, 106

Rename, 106

Set Action, 106

Pictures toolbar and, 105

**scripting tests, 443–444**

**search engine ranking, 24**

page title's importance in, 24

**Section 508, 432. See also Web content accessibility guidelines**

aim of, 432

section508.gov, 432

**security, 389. See also forms authentication**

Web application, 389–412

authentication methods for, 391

forms authentication and, 391–412

**Select Place in Document dialog box, 115–116**

**Select Tag Contents option (Quick Tag selector), 13**

**Select Tag option (Quick Tag selector), 13**

**Selected Style Preview (Manage Styles Task Pane), 157**

**selectors, 131. See also classes; contextual selectors; IDs; tag redefinitions**

**self targets, 111**

**SEQUEL (Structured English Query Language), 312**

**serif fonts, 38**

**servers. See Web server(s)**

**server-side technologies, 298. See also ASP.NET**

ASP.NET, 298

business logic and, 290, 298

**server-side validation, 372, 373. See also Validation controls, ASP.NET**

client-side validation v., 373

limitations of, 373

**Set as Home Page option, 65**

**Set Text behaviors, 252**

**SetFocusOnError property, 378**

**shading, 49**

**Shading tab (Borders and Shading dialog box)**

Attachment option, 217

Background picture, 217

Fill, 217

Horizontal position, 217

Preview, 217

Repeat option, 217

Vertical position, 217

**Show Code View option, 10**

**Show Design, Split, and Code View set of options, 7, 8**

functions of, 10–11

**Show Design View option, 10**

**Show Overlay option (Style Application toolbar), 137**

**Show Split View option, 10, 11**

**Single Item View, 422**

**Single-A WCAG checkpoints, 433**

**Site menu item (menu bar), usage of, 6**

**Site Root Relative paths, 110**

**Site Settings dialog box, 66**

Advanced settings, 68

Default validation script language, 68

Options, 68

Temporary files, 68

Database settings, 69

General settings, 67

Language settings, 68

Default page encoding in, 68

Server message location in, 68

Preview in Browser settings, 67–68  
custom URL in, 68

Web site URL and, 67–68

tabs in, 66–69

**site synchronization, 59, 86–87, 90**

**skip navigation functionality**

jimthatcher.com/skipnav.htm., 446

Thatcher and, 446

**SMIL. See Synchronized Multimedia Integration Language**

**Social Security Number,**

**RegularExpressionValidator control and, 384**

**SolutionID DataBindings dialog box, 363**

**Solutions table (Vecta Corp database), 312**

**sorting/paging GridView control, 343–345**

**sound files, 250**

Play Sound behavior and, 250–251

**spacer images, 195, 441**

**spell-checking engine, 50–53**

red squiggly underlines in, 50

word suggestions in, 51

**Spelling dialog box, 52**

functionality of, 52–53

Add, 52

Change, 52

Change All, 52

Change to / Suggestions, 52

Ignore, 52

Ignore All, 52

Not in Dictionary, 52

Options, 52

Suggest, 52

- Split Cells dialog box, 181, 182**
- SQL (Structured Query Language), 312–313**
- SQL Server 2005 Express Edition, Microsoft, 308–309. *See also* database(s), SQL Server 2005 Express Edition**  
installing, 308–309  
msdn.microsoft.com/vstudio/express/sql/download, 308, 309
- SQL Server 2005, Microsoft, 308**  
microsoft.com/sql and, 308
- SqlDataSource controls, 324, 325**
- src attribute, 102**
- Standard toolbar, usage of, 18**
- static Web pages, 286**  
dynamic v., 287  
process, 286  
Web Server and, 286
- Stop Sound behavior, 251**
- stretching, 96–97**
- Structured English Query Language. *See* SEQUEL**
- Structured Query Language. *See* SQL**
- Style Application options (Style Application toolbar), 136**  
scenarios and, 137
- Style Application toolbar**  
options, 136–137  
usage of, 19
- style attribute, 102**
- style rules, 130–131**  
external style sheets and creating, 138–139, 140  
New Style dialog box and, 138–139, 140
- Style Selection List (Apply Styles Task Pane), 154**  
options in, 154–156  
Apply style, 154  
Attach Style Sheet, 156  
Delete, 156  
Go To Code, 154  
Manage Styles Sheet Links, 156  
Modify Style, 155  
New Style, 155  
New Style Copy, 155  
Remove Class, 156  
Remove ID, 156  
Remove Inline Style, 156  
Remove Link, 156  
Rename, 156  
Select Instances, 155
- style sheets. *See* Cascading Style Sheets; external style sheets**
- style tests, 442–443**
- Style toolbar**  
applying styles to elements with, 152  
usage of, 19
- subheader image, 96, 97**
- Submit button form control, 273, 274**
- suntimes.com/rss/sports/index.xml, 425**
- Swap Image behavior, 252–254**  
rollover images and, 252–254  
Vecta Corp Web site and, 255
- Swap Image dialog box, 253, 254**  
functionality of, 254  
Images list, 254  
Preload Images, 254  
Restore on mouseout event, 254  
Swap Image URL, 254
- Swap Image Restore behavior, 253, 254**
- synchronization, of sites, 59, 86–87, 90**
- Synchronized Multimedia Integration Language (SMIL), 445**
- System variables (Custom tab, page properties), 28**
- ## T
- tabbed file chooser, 7, 8**  
function of, 10
- table(s). *See also* Layout Tables**  
captioning, 179  
cells in  
inserting content into, 182–185  
modifying properties of, 185–187

## table(s) (continued)

---

### **table(s) (continued)**

- selecting, 176
  - splitting/merging, 180–182
  - database, 307
  - inserting, 170–172, 173
  - Layout Tables *v.*, 193
  - limitations of, 193, 203
  - modifying properties of, 176–177
  - nested, 175, 188
    - inserting, 188–190
  - rows/columns in
    - inserting, 179–180
    - removing, 179
    - selecting, 175–176
  - selecting, 175
  - Table AutoFormat and, 190–192
  - web page structuring techniques with, 169–201
- Table AutoFormat dialog box, 191, 192**
- features of, 192
    - Apply special formats, 192
    - Format to apply, 192
    - Formats, 192
    - Preview, 192
- Table category (New Style dialog box), 150–151**
- properties in, 151
    - border-collapse, 151
    - border-spacing, 151
    - caption-side, 151
    - empty-cells, 151
    - table-layout, 151
- Table menu item (menu bar), usage of, 6**
- Tables toolbar, 196**
- options in, 197
    - Align, 197
    - AutoFit to Contents, 197
    - Column to Left/Right, 197
    - Delete Cells, 197
    - Distribute Rows/Columns Evenly, 197
    - Draw Layout Cell, 197

- Draw Layout Table, 197
  - Fill Color, 197
  - Merge Cells/Split Cells, 197
  - Row Above/Row Below, 197
  - Show Layout Tool, 197
  - Table AutoFormat, 197
  - usage of, 19
- tab/pages, 10**
- Tag Properties option (Quick Tag selector), 13**
- horizontal line and, 49
- Tag Properties Task Pane, 98, 100–103**
- applying styles to elements with, 152
  - ASP.NET and, 303
  - features in, 100–101
    - Attributes, 102
    - Current tag, 101
    - Events, 102
    - Show alphabetized list, 101
    - Show categorized list, 101
    - Show set properties on top, 101
    - Show tag properties, 101
  - form controls
    - action property, 261
    - class, 263
    - enctype menu, 263
    - method property, 261–262, 263
    - name/id properties, 260
    - target, 263
  - formatting GridView control with, 341
    - AlternatingRowStyle, 341
    - EditRowStyle, 341
    - EmptyDataRowStyle, 341
    - FooterStyle, 341
    - HeaderStyle, 341
    - PagerStyle, 341
    - RowStyle, 341
    - SelectedRowStyle, 341
  - images and, 100–103
  - purpose of, 14
- tag redefinitions, 132–133**
- blue dot and, 156
  - defining styles with, 159–160

**Target Rule options (Style Application toolbar), 136–137****targets, 110, 111**

- blank, 111
- parent, 111
- self, 111
- top, 111

**Task Panes, 2, 3, 4**

- list of, 14–16
- menu bar and, usage of, 6
- purposes of, 13–15

**templates, 350**

- Data control, 350–351
- DataList control, 350–353
- FormView control, 359

**Test Query screen (Configure Data Source Wizard), 328****text**

- adding, 30–33
- alignment, 42
- color of, 27, 45–47
- external source for, 30–33
  - copying/pasting/inserting with, 30–33
- formatting, 33–50
- highlighting, 45
- indentations in, 42
- spell checking, 50–53
- styles, 40–41

**Text Area form control, 266–267**

- cols property, 267
- rows property, 267

**Text Field form control, 264–266**

- maxlength, 265
- name/id, 264
- size, 264
- value, 265

**Text property, 378****text-based links, 111–114**

- Insert Hyperlink dialog box and, 112–114

**TextBox control, 378, 379****text-only page, 446****Thatcher, Jim, 446**

- skip navigation functionality and, 446

**tiers, 289**

- business logic, 290, 298
- data storage, 290, 305
- presentation, 289, 290–291

**Times New Roman font, 37****title attribute, 103****toolbars, 3, 4**

- function of, 16
- icons in, 16, 17
  - customization of, 17, 18
- list of, 18–19
- positioning, 16, 17
- usages of, 18–19

**Toolbox Task Pane**

- ASP.NET and, 303, 304
- purpose of, 15

**Tools menu item (menu bar), usage of, 6****top targets, 111****Transact-SQL, 312****transferring files, Copy Web Site window and, 83–86****Triple-A WCAG standards, 433****Type property, 380****U****UNC. See Universal Naming Convention****Underline icon, 40, 41**

- hyperlinks and, 41

**undocked position, 2, 16****Universal Naming Convention (UNC), 79****usability, 430****Usage tab (CSS Reports dialog box), 165****usemap attribute, 103****User variables (Custom tab, page properties), 28****Users table (Vecta Corp database), 311**

## V

### **validation, 371**

- client-side, 372–373
- server-side, 373

### **Validation controls, ASP.NET, 373–386**

- advantages of, 373–374
- CompareValidator control, 378–380
- CustomValidator control, 385–386
- RangeValidator control, 380–382
- RegularExpressionValidator control, 383–385
- RequiredFieldValidator control, 375, 376–378
- types of, 375
- using, 375–386
- ValidationSummary control, 382, 383

### **ValidationGroup property, 378**

### **ValidationSummary control, 382, 383**

- adding/configuring, 382
- result of, 383

### **ValueToCompare property, 380**

### **VBScript, 372. *See also* server-side validation**

### **Vecta Corp Web site**

- admin.aspx page
  - building, 356–368
  - exercise for building, 368–369
  - validate user input on, 387
- building support\_knowledgebase.aspx page for, 354
- database, 306
  - administrators in, 306, 313
  - building Download Patches page in, 323–324
  - Categories table in, 311
  - knowledgebase in, 306, 313
  - Knowledgebase table in, 310
  - patch downloads in, 306, 313
  - Patches table in, 310–311
  - Solutions table in, 312
  - Users table in, 311

- defining, 90–91
- dynamic, 313–314
- forms/form controls and, 282–283
- images and rebuilding, 127, 255
  - Swap Image behavior, 255
- layers, CSS and rebuilding, 229–230
- main page creation for, 56
- new Web site creation for, 61–62
- securing, 390–412
- style sheet for, 166–167
- tables and rebuilding, 201

### **View menu item (menu bar), usage of, 5**

### **virtual directory, 294**

- IIS and creation of, 76–78, 294

### **visibility**

- Change Property dialog box and, 249
- collapse, 149
- hidden, 149
- layers and, 204, 210
- Layout category and, 149
  - options for, 149
- visible, 149

### **vspace attribute, 103**

## W

### **W3C standards. *See* World Wide Web Consortium standards**

### **w3.org, 431**

### **w3.org/tr/wcag, 431**

### **WAI. *See* Web Accessibility Initiative**

### **watermark, 26**

### **WCAG. *See* Web content accessibility guidelines**

### **Web. *See* World Wide Web**

### **Web Accessibility Initiative (WAI), 431**

### **Web applications, 285–314**

- definition of, 286
- dynamic Web pages in, 289
- introduction to, 288–313
- securing, 389–412
  - IIS and, 390



tiers, 289

business logic, 290, 298

data storage, 290, 305

presentation, 289, 290–291

**Web content accessibility guidelines (WCAG), 429**

checkpoints in, 432

priority values of, 432

fourteen principles in, 431–432

Section 508 and, 432

w3.org/tr/wcag, 431

**Web page(s). See also ASP.NET, Web pages**

attaching style sheet to, 164

bookmarks within, 114–116

browser preview of, 53–56

building, 21–56

creating new, 21–24

New dialog box in, 22–23

Save As dialog box in, 23–24

dynamic, 287–288

inserting images into, 94–96

page properties for, 24–29

Advanced tab, 27–28

Custom tab, 28

Formatting tab, 26–27

General tab, 24–26

Language tab, 29

page title for, 24

static, 286

structuring techniques

layers, CSS and advanced, 203–230

tables and, 169–201

text in, 29–53

adding, 30–33

formatting, 33–50

spell checking, 50–53

Web site v., 58

**Web server(s), 58, 291–298. See also Internet Information Service**

dynamic Web page process and, 287

Expression Web's built-in, 296

configuring, 296–297

IIS v., 297–298

IIS, 291–298

static Web page process and, 286

**Web site(s)**

building accessible and standards-compliant, 429–447

creating new, 59–62

location for, 61

special folders in, 61, 62

definition of, 22, 57, 58

deployment of, 87

Personal Web Packages and, 57, 87–90

layers, CSS and table-less, 218–230

legacy, 164

publishing, 69–87

settings modification of, 66–69

Web page v., 58

working with, 57–91

features in, 58–59

importance of, 58–59

**Web Site window, 64**

**Web Standards Project, 431**

webstandards.org, 431

**Web-based Distributed Authoring and Versioning (WebDAV)**

configuring Expression Web for, 78–79

enabling, 76

features of, 75–76

FTP v., 75–76

**WebDav. See Web-based Distributed Authoring and Versioning**

**Web-safe colors, 46**

**WHERE clause, 334. See also Add WHERE clause dialog box**

**whitespace**

Block category and, 143

Optimize HTML tab and, 80

**width attribute, 103**

**Window menu item (menu bar), usage of, 7**

**Windows authentication, 391**

**Windows operating systems, IIS and, 292–293**

**Windows Update Web site, 300**

.NET Framework at, 300

**working with Web sites, 51–91. *See also* Web site(s)**

**World Wide Web, 429. *See also* accessibility standards**

universality of, 429

Web accessibility standards and, 429

**World Wide Web Consortium (W3C) standards, 172**

DHTML and, 204

name/id and, 261

w3.org, 431

Web specifications and, 430–431

**Wrap Tag option (Quick Tag selector), 13**

**Wrox Web site, 56, 59, 90**

## X

**XML. *See* Extensible Markup Language**

**XML style sheet language (XSL), 413**

introduction to XML and, 413–416

**xml:lang attribute, 103**

**XSL. *See* XML style sheet language**

## Z

**z-index, 148, 204**

layers and, 204, 211

Layers Task Pane and, 210

Position category and, 148

Positioning toolbar and, 209

**ZIP code, RegularExpressionValidator control and, 384**