

Index

A

- Accepts mouse events property (slider), 202
- Access CS Live panel (Fireworks), 159
- Access Zoom out tool shortcut, 123
- Access Zoomin tool shortcut, 123
- accessibility, 299, 300
- action sequence, 225–226
- Action Sequences, 220, 221, 249
- actions
 - adding, 227–232
 - for adding video, 228
 - view states, 218, 219
- Actions menu
 - controlling SWFs, 242
 - transitions, 222
- ActionScript
 - case sensitivity, 410
 - files, 36
 - Flex applications, 3, 23
 - generating code, 275
 - hiding code, 309
 - live data, 286, 510
 - separate Flex projects, 295
 - viewing project code, 275
 - Virtual Machine, 32
- ActionScript 2.0, 239, 255
- ActionScript 3.0
 - Flex applications, 239, 254–256
 - SWFs, 242
- Add a layer style button, 144
- Add Action menu, 227
- Add blend mode, 81
- Add Interaction menu, 225
- Add Noise filter, 168
- Add Row button, 206
- adding
 - actions, 227–232
 - animation
 - moving, 231
 - Resize action, 231
 - resizing, 231
 - rotating, 231
 - buttons, 82, 351
 - check boxes, 82
 - components, 81–83
 - data list, 82
 - design-time data, 236–237
 - horizontal scrollbar, 82
 - horizontal slider, 82
 - prototype objects, 171–172
 - radio buttons, 82
 - scrollbars, 82
 - sliders, 82
 - sound, 230–231
 - SWFs, 239–242
 - text
 - Fireworks, 164–166
 - Flash Catalyst, 73
 - font, 73
 - HTML, 73
 - Illustrator, 113–114
 - wireframing, 73–74
 - text input field, 82
 - toggle button, 82
 - vertical scrollbar, 82
 - vertical slider, 82
- Adjustments panel (Photoshop), 135, 136
- Administrator home page (ColdFusion), 501
- Adobe. *See also specific Adobe applications*, e.g.: Photoshop
 - Flex, 3
 - purchase of Macromedia, 32
 - release of Kuler, 164
- Adobe CS5. *See also specific applications*
 - interface, 48–50
 - overview, 47–48
 - panels, 51–54
 - tools, 50–51
 - vector vs. raster graphics, 54–55
- Adobe Integrated Runtime (AIR)
 - completing project, 308–311
 - converting project, 307

Index

- Adobe Integrated Runtime (AIR) (*continued*)
 - deploying applications from Catalyst, 312–314
 - Flex framework, 253, 261
 - installing applications, 311–312
 - live data, 489
 - overview, 33
 - universal runtime, 305, 306
- Adobe Integrated Runtime (AIR) 2.0, 306
- Adobe LiveCycle DS server, 284
- AI extension, 15
- AIR. *See* Adobe Integrated Runtime
- Ajax, 31–32
- Align ⇄ Bottom command (Ctrl+Alt+6, ⌘+Option+6), 525
- Align ⇄ Horizontal command (Ctrl+Alt+2, ⌘+Option+2), 524
- Align ⇄ Left command (Ctrl+Alt+1, ⌘+Option+1), 524
- Align ⇄ Right command (Ctrl+Alt+3, ⌘+Option+3), 524
- Align ⇄ Top command (Ctrl+Alt+4, ⌘+Option+4), 524
- Align ⇄ Vertical command (Ctrl+Alt+5, ⌘+Option+5), 525
- Align panel
 - Fireworks, 158
 - Illustrator, 337–338, 348–349
- Alpha blend mode, 81
- alpha channels, 130
- Alt key, 64
- anchor points
 - Direct Select tool, 95, 96, 103–104
 - rotating objects, 109
 - vector art, 92
- animation
 - adding actions, 227–232
 - component, 22
 - component state change, 215
 - creating action sequence, 225–226
 - designer best practices, 530
 - Flex framework, 33
 - saving artwork, 169
 - state changes, 19–20, 197, 447–454
 - working with Timeline panel, 226–227
- AOL, 31
- Apache Derby, 490, 502
- Appearance panel (Illustrator), 114, 322, 323
- Appearance settings, 248
- Appearance view (Flash Builder), 283
- Application tag, 265, 267
- applications
 - desktop, 33, 305
 - modular, 191
 - open-source, 37, 257, 502
 - Rich Internet
 - Ajax, 31–32
 - conversion, 14
 - creation of, 2–4
 - dynamic HTML, 30–31
 - early development, 29
 - Flash platform, 32–34
 - Illustrator tools, 91
 - user interface, 253
 - workflow, 47
 - Web
 - defined, 233
 - Flex projects, 261
 - forms, 199
 - multi-page construction, 114
- Applications folder, 312
- Area Text tool, 114
- arguments, 288
- Arrange ⇄ Bring Forward command (Ctrl+], ⌘+]), 524
- Arrange ⇄ Bring to Front command (Ctrl+Shift+[, ⌘+Shift+]), 524
- Arrange ⇄ Send Backward command (Ctrl+[, ⌘+[), 524
- Arrange ⇄ Send to Back command (Ctrl+Shift+[, ⌘+Shift+[), 524
- Arrow Line tool (Fireworks), 156
- Arrow tool (Fireworks), 156
- artboard (Flash Catalyst)
 - editing objects, 15
 - importing images, 183–184
 - object representation, 16
 - setting size, 63
 - transitions, 21
 - zooming in and out, 64–65
- artboard (Illustrator), 6–7, 11, 12, 114
- Artboard Settings command (Ctrl+], ⌘+]), 524
- artwork
 - buttons, 196–199
 - converting. *See* converting, artwork
 - data lists, 204–207
 - embedding, 367–368
 - Heads Up Display, 192
 - importing. *See* importing

- layers and groups, 193–195
 - moving, 382–383
 - organizing, 377–382
 - creating new layers, 378–379
 - creating new sublayers, 379–380
 - deleting layers, 381
 - removing unneeded groups, 381–382
 - renaming layers, 377–378
 - overview, 191
 - positioning, 324, 325, 337
 - radio buttons, 203
 - resizing, 384–385
 - rotating, 383–384
 - saving as symbols, 169–170
 - scroll panels, 204–207
 - scrollbars, 207–210
 - sliders, 201–202
 - text field, 199–200
 - view states, 213
 - assets
 - converting, 233–235
 - naming, 117
 - removing, 217
 - sharing, 217
 - view states, 213
 - assets folder, 301
 - Asynchronous JavaScript and XML (Ajax), 30–31
 - attribute values, 254
 - audio, 530
 - Auto-detect return type option, 511
 - Auto Levels filter (Fireworks), 167
 - auto save, 85
 - automatic scrollbar, 207
 - AVI files, 243
 - axis point, 76
- B**
- back-end systems, 233
 - background color, 63
 - Background layer, 144, 360
 - background stroke, 332
 - backgrounds, 330–333
 - backup copies, 469, 470, 479, 481
 - basic commands, 521–526
 - Behaviors panel (Fireworks), 160
 - Berners-Lee, Tim, 2, 29–30
 - best practices
 - designer, 529–532
 - developer, 532–533
 - Flash Catalyst, 115–117, 533–534
 - Illustrator, 115–117
 - Bevel option (Joints setting), 69
 - Beveled Rectangle tool (Fireworks), 156
 - bin-debug folder, 262, 264
 - Bind control to data button (Flash Builder), 290
 - Bind to Data button (Flash Builder), 514
 - Bind to Data dialog box (Flash Builder), 290, 514, 515
 - binding data, 513–517
 - bitmap (BMP) files
 - importing into Fireworks, 166
 - importing into Flash Catalyst, 375, 393–398
 - stock photos, 120
 - blank states view, 212
 - Blaze DS, 284
 - bleed, 89
 - blemish removal, 137–140
 - blend modes
 - Photoshop, 134
 - wireframing, 79–81
 - Blender mode (Fireworks), 163
 - blink tag, 30
 - Blob brush, 117
 - Blur filter (Fireworks), 168
 - Blur More filter (Fireworks), 168
 - Blur tool (Fireworks), 155
 - BMP files. *See* bitmap files
 - bottom navigation, 329–330
 - bounding box, 71
 - box
 - check, 82, 193, 256, 415–417
 - Illustrator tutorial, 327–329
 - text-, 226
 - breakpoints, 272
 - Breeze DS server, 284
 - Bridge, 120, 121
 - Brightness/Contrast adjustment, 136–137
 - Brightness/Contrast filter (Fireworks), 167
 - Browse button (Flash Builder), 277
 - browser
 - AIR, 306
 - cross-browser compatibility, 29–31

Index

- browser (*continued*)
 - Flash Builder internal, 281
 - interactivity, 2
 - launching, 500
 - project sizing, 63
 - running projects, 85, 270, 279, 478
 - testing interactions, 220
 - testing transitions, 223
 - browser sniffing, 30, 31
 - Brush Definition drop-down list (Illustrator), 330, 331
 - brush libraries (Illustrator), 8, 10
 - brush settings (Illustrator), 102, 360–362
 - Brush tool (Illustrator), 330, 340
 - brush tools, 117
 - Build dialog box (Flash Builder), 476, 478
 - built-in view states, 441–442
 - Burn tool (Fireworks), 155
 - buttons
 - adding, 82, 351
 - converting artwork, 193, 196–199, 413–415
 - creating, 20
 - organizing layers, 352
 - radio
 - adding, 82
 - built-in view states, 441
 - converting artwork, 193, 203
 - creating, 415, 417–421
 - saving artwork, 169–170
 - toggle
 - adding, 82
 - converting artwork, 193, 198–199
 - Design and Code workspaces, 40
 - triggering changes, 443–446
 - triggering interaction, 218
 - usability, 7
 - view states, 223–224
- ## C
- camel casing, 195, 254, 256, 257
 - cameras, 134–135
 - capitalization, 271, 410, 420
 - Cascading Style Sheets (CSS), 31, 32
 - case sensitivity, 195, 254, 255, 410
 - Catalyst. *See* Flash Catalyst
 - category list (Illustrator), 325, 326
 - CFC (ColdFusion Component), 285, 507, 508
 - Chamfer Rectangle tool (Fireworks), 156
 - channels (color), 130, 181
 - Character panel
 - Illustrator, 114, 325
 - Photoshop, 145
 - check boxes
 - adding, 82
 - converting artwork, 193, 203
 - creating, 415–417
 - object-oriented programming, 256
 - Circle Hotspot (Fireworks), 156
 - circles, 70–71
 - class files, 256
 - classes (object-oriented programming), 255
 - clip art, 325, 326
 - Close Project command (Ctrl+W, ⌘+W), 522
 - closed shape, 93
 - CMYK color space, 88, 107
 - code, 4, 16, 23, 39, 275–277, 385, 484
 - code hinting, 269
 - code once theory, 31
 - Code workspace, 39, 42–43, 275, 276
 - coding, 233
 - ColdFusion
 - Administrator home page, 501
 - configuring database, 502–503
 - connecting to resources, 284
 - creation of MXML, 254
 - download page, 492
 - home page, 491, 501
 - installing, 493–501
 - login page, 491, 501
 - overview, 284, 490
 - setting up connection, 286, 287
 - ColdFusion 8, 490
 - ColdFusion 9, 490
 - ColdFusion Component (CFC), 285, 507, 508
 - ColdFusion MX7, 490
 - collapsing
 - panels, 45, 51
 - Timeline panel, 17
 - color
 - background, 63
 - fills, 104, 106, 167, 196
 - Fireworks, 157, 160–164

- hexadecimal, 161
- Illustrator, 9, 104–107, 335
- Photoshop, 127
- RGB color space, 88, 90, 107, 108, 130, 160, 161
- Color Balance adjustment layer, 135–136
- color channels, 130, 181
- color correction, 134–136
- Color Fill filter (Fireworks), 167
- Color Guide panel (Illustrator), 106
- Color Mixer panel (Fireworks), 160
- Color Mode, 90
- Color Palette panel (Fireworks), 159–163
- Color panel (Illustrator), 104, 105
- Color Picker
 - gradient, 108
 - painting tools, 101
 - wireframing, 63, 67, 68
- Color Picker dialog box, 105
- color space, 88
- color stop, 107–109
- ComboBoxes, 171
- commands
 - Compare with, 482, 483
 - Delete, 486, 522
 - Edit menu, 522
 - File menu, 522
 - Go to URL, 219
 - Hide all Panels, 526
 - Import, 398
 - keyboard shortcuts, 521–526
 - Publish as SWF, 312
 - Remove from State, 217
 - States menu, 525
 - Timelines Menu, 525
 - Transition to State, 20, 21
 - View menu, 523
 - workspace, 39
- Common category (Properties panel), 247, 248
- Common Library panel (Fireworks), 159, 171, 172
- communication, 532, 533
- Community Help application, 46
- Compare window, 485
- Compare with command, 482, 483
- comparing files, 482–486
- Component category (Properties panel), 248
- component skins, 295
- components. *See also specific components*
 - applying changes, 215, 216
 - conversion, 18, 19
 - converting artwork
 - checkboxes, 203
 - creating buttons, 196–199
 - data lists, 204–207
 - Heads Up Display, 192
 - layers and groups, 193–195
 - overview, 191
 - radio buttons, 203
 - scroll panels, 204–207
 - scrollbars, 207–210
 - sliders, 201–202
 - text field, 199–200
 - creating, 18
 - custom, 193–195, 407–413, 439
 - defined, 189
 - dragging, 22
 - editing, 194
 - fading, 230
 - Flex 4, 267–269
 - hiding, 214–215
 - moving, 215, 216, 449
 - naming, 195, 267, 409, 410
 - nesting, 194–195, 412–413
 - removing, 214, 215
 - reusing, 195, 424–425
 - running directly, 478
 - sharing, 217
 - view states, 431, 437–441, 441–443
 - wireframing, 81–83
- Components view (Flash Builder), 283
- configuration warning dialog box (Flash Builder), 506
- Configure Return Type button (Flash Builder), 286, 288, 510–511
- Configure Return Type dialog box (Flash Builder), 286, 289, 511
- Connect to Data/Service link (Flash Builder), 504, 505
- Connector Line tool (Fireworks), 156
- continuous-tone images, 55
- contrast, 136–137
- control handles, 95, 97, 104
- Control panel (Illustrator), 113–114
- Convert Anchor Point tool, 97

Index

- Convert Artwork to Component ⇄ Button command (Ctrl+Shift+U, ⌘+Shift+U), 524
 - Convert Artwork to Component ⇄ Text Input (Ctrl+Shift+I, ⌘+Shift+I), 524
 - Convert to Alpha filter (Fireworks), 168
 - Convert to Optimized Graphic button, 189
 - Convert to Symbol dialog box, 169, 170
 - converting. *See also* importing
 - for Adobe Integrated Runtime, 307
 - artwork
 - buttons, 203, 413–415
 - checkboxes, 203
 - contents as components, 191
 - creating buttons, 196–199
 - custom components, 407–412, 407–413
 - data lists, 204–207, 455–457
 - Heads Up Display, 43, 44, 192
 - layers and groups, 193–195
 - optimized graphics, 385–386
 - scroll panels, 204–207
 - scrollbars, 205, 207–210, 426–430
 - sliders, 201–202
 - text field, 199–200
 - text input field, 421–425
 - audio, 249
 - components, 18, 19
 - to data list, 233–235
 - Flash Catalyst best practices, 534
 - layers, 15
 - optimized graphics, 188, 189
 - text to outlines, 117
 - copy and paste importing, 186, 398–402, 413
 - Copy command (Ctrl+C, ⌘+C), 522
 - copyright information, 329
 - copyright protection, 119
 - Create New Layer button, 378
 - Create New Project option, 61
 - Create New Sublayer button, 379
 - Crop tool (Fireworks), 155
 - cropping images, 130–132
 - crossfade effect, 221
 - CS News and Resources panel (Fireworks), 159
 - CSS (Cascading Style Sheets), 31
 - curve segments, 95–97
 - curves
 - anchor points, 104
 - changing direction, 97–99
 - creating, 94–95
 - Curves filter (Fireworks), 167
 - custom component
 - converting layers and groups, 193–195
 - creating, 407–413
 - FXPL file, 295
 - view states, 439
 - custom scrollbar, 207, 208
 - Custom Shape tool (Photoshop), 143
 - customization
 - components, 18, 192
 - gradient, 67, 108
 - icons, 311
 - symbols, 171
 - workspace, 44–45
 - Cut command (Ctrl+X, ⌘+X), 522
- ## D
- Darken blend mode, 80
 - data
 - design-time
 - adding, 236–237
 - converting assets to data list, 233–235
 - setting up, 465–468
 - live
 - binding visual component, 513–517
 - changing project type, 503–513
 - connecting projects to, 283–292
 - setting up local testing servers, 489–503
 - data binding, 290
 - data list
 - adding, 82
 - associate scrollbar, 209–210
 - configuring parts, 458–460
 - configuring repeating item's appearance, 458–465
 - converting artwork, 193, 204–207, 455–457
 - converting assets, 233–235
 - scroll bars, 426
 - setting up design-time data, 465–468
 - Data/Services view (Flash Builder), 284, 288, 290, 504, 510, 514
 - Data tip while dragging (slider), 202
 - data type, 286, 288, 289
 - debugging, 271–274
 - Debugging Perspective, 273
 - default package, 279

- default settings
 - artboard size and color, 179
 - artwork, 87, 89, 367
 - Document Library, 170
 - font, 302
 - gradient, 108
 - hiding code, 309
 - layers, 144, 221
 - names, 211, 419
 - namespaces, 266
 - playback controls, 246
 - project folders, 264
 - Properties panel, 462
 - running projects, 476, 478
 - Shear tool, 110
 - skins, 247
 - Tools panel, 153
- default view states, 441
- default views (Flash Builder), 283
- delays (actions), 228
- Delete command, 486, 522
- deleting. *See also* removing
 - components (Flash Player), 215
 - layers, 133, 136, 381
- deploy-to-web folder, 300–303
- design
 - cross-platform, 2
 - Flex framework, 3
 - vector-based, 4
- design comp
 - creating Catalyst project, 371–376
 - Flex framework, 4
 - moving artwork, 382–383
 - organizing artwork, 377–382
 - creating new layers, 378–379
 - creating new sublayers, 379–380
 - deleting layers, 381
 - removing unneeded groups, 381–382
 - renaming layers, 377–378
 - resizing artwork, 384–385
 - rotating artwork, 383–384
- Design mode (Flash Builder), 294
 - components, 476
 - exporting Flash Catalyst files, 290
 - opening files, 24, 25
 - overview, 259–260
 - viewing project, 282, 474
- design requirements, 317–318
- design-time data
 - adding, 236–237
 - converting assets to data list, 233–235
 - setting up, 465–468
- Design-time Data panel
 - data list, 206, 207, 465, 467
 - Design workspace, 41
 - interface, 16
 - replacing single repeated item, 236
- Design workspace, 39–42
- designating
 - parts, 235
 - thumb, 429
 - track, 429
- designer/developer workflow, 295, 298
- designers, 3, 36, 37, 56, 206
- desktop applications, 33, 305
- developers, 3, 23, 35, 206, 237, 294
- device fonts, 302
- DHTML (dynamic HTML), 30–31
- Difference blend mode, 80
- digital cameras, 134–135
- digital certificate, 308–310, 313
- Digital Signature page (Flash Builder), 309
- dimensions
 - designing, 319
 - determining document size, 89
 - drawing rectangles, 67
 - Illustrator interface, 6
 - importing Illustrator files, 15
 - tooltip, 101
- Direct Select keyboard shortcut (A), 527
- Direct Select tool
 - adjusting curves, 98
 - modifying artwork, 103–104
 - modifying paths, 95
 - moving components, 215
 - overview, 91, 92
 - resizing artwork, 384
 - rotating objects, 109
 - selecting artwork in sublayers, 192
 - wireframing, 63–64
- Disabled state
 - buttons, 196, 198, 203, 223, 441
 - scrollbars, 209

Index

disabling, 43
display types, 517
Distort tool (Fireworks), 155
Document Library panel (Fireworks), 159, 169–171
document size, 89
Dodge tool (Fireworks), 155
dot notation, 257
double-clicking

- collapsing panels, 45
- expanding, 235
- launching AIR installer, 313
- new data list, 235
- opening files, 120
- renaming, 76, 179, 189, 195, 377

Doughnut tool (Fireworks), 156
Down state (buttons), 196, 198, 203, 223, 441
download page (ColdFusion), 492
dragging

- anchor points, 104
- components, 22
- Free Transform tool, 110
- moving actions, 221

drawing

- circles, 70–71
- ellipses, 70–71
- lines, 71–72
- rectangles, 66–67
- squares, 66

drawing tools (Illustrator)

- changing direction of curves, 97–99
- combining straight and curve segments, 95–97
- modifying paths, 95
- painting tools, 101–102
- shape tools, 99–100
- Smart Guides, 99–100, 102

Dreamweaver, 2, 303–304
drop-down lists, 171, 350, 351
drop-down menu, 330, 331
Drop Shadow filter (Fireworks), 168
dummy data, 514, 515
duplicate layers, 140, 147–149
Duplicate State button, 212
duplicate view states, 433, 534
durations (action timings), 232
Dynamic Help view (Flash Builder), 280–281
dynamic HTML (DHTML), 30–31

E

easing

- Fade action, 230
- Rotate 3D action, 231

Eclipse, 23, 37, 56, 257, 258, 282
Edit Component command (Ctrl+E, ⌘+E), 524
Edit in Adobe Illustrator command (Ctrl+Alt+I, ⌘+Option+I), 524
Edit in Adobe Photoshop command (Ctrl+Alt+P, ⌘+Option+P), 524
Edit in Place mode (Flash Catalyst), 194
Edit menu commands, 522
Edit Parts button, 199, 235
editable objects, 179
editing

- buttons, 442
- code, 275
- components, 194, 410–413
- non-destructive, 133, 136
- objects, 15
- parts, 428
- projects in Flash Catalyst, 480
- round-trip, 173, 187–188, 293, 402–405

editors (FlashBuilder), 258, 282
effects (Illustrator), 114, 115, 117
Ellipse tool

- Flash Catalyst, 70
- Illustrator, 100, 362


Ellipse tool keyboard shortcut (L), 527
ellipses

- selecting, 123–124
- wireframing, 70–71

Elliptical Marquee tool (Photoshop), 123–124
Embed Image menu command (Illustrator), 368
embedding, 116, 117, 299, 302
embossed text, 146–147
End caps settings, 69, 71, 72
Erase blend mode, 81
Eraser tool (Illustrator), 102–103
erasing, 102–103
error messages

- importing, 374, 375
- types, 271

event handler function (Flash Builder), 290
events (interactions), 218, 219
Excel, 1

- Exit command (Ctrl+Q, +Q), 522
 - expanding
 - component transition time, 451
 - panels, 45, 444, 447
 - services package, 510
 - Export Area tool (Fireworks), 155
 - Export dialog box, 173
 - Export Library option, 296
 - Export Release Build Wizard (Flash Builder), 308–310
 - Exporting
 - files in SWF format, 299–302
 - into Flash Builder
 - preparing files, 277–279
 - viewing code, 275–277
 - into Flash Catalyst, 173, 293
 - Extensible Markup Language (XML), 31, 32
 - external files, 116
 - Eyedropper tool (Fireworks), 157
- ## F
- Fade action, 230, 453
 - Fade In transition, 221, 452
 - Fade Out transition, 221, 452
 - faux bold, 165
 - faux italic, 165
 - F4V files, 243
 - file comparison, 482–486
 - file format
 - AVI, 243
 - BMP (bitmap)
 - importing into Fireworks, 166–167
 - importing into Flash Catalyst, 375, 393–398
 - stock photos, 120
 - F4V, 243
 - FLA, 240
 - FLV, 243–244
 - FXG
 - creating new project, 14
 - creating SWF files, 240
 - exporting, 173
 - importing, 36
 - optimized graphics, 189
 - round-trip editing, 187, 188
 - FXP
 - exporting into Flash Catalyst, 293
 - importing into Flash Builder, 277–279, 469
 - naming, 61
 - saving projects, 85, 294
 - Start screen, 14
 - FXPL, 295–297
 - GIF, 11, 152, 185
 - JPEG, 120, 185
 - JPG, 11, 152
 - MOV, 243, 244
 - MP3, 249
 - MPEG, 243
 - PDF, 306
 - PNG, 11, 120, 152, 185
 - PSD, 11, 394, 398
 - SWC, 265
 - SWF
 - adding to project, 239–242
 - AIR, 306
 - exporting projects, 299–302
 - Flex application, 211
 - Flex framework, 211
 - folders, 264
 - running projects, 279
 - TIFF, 120
 - File menu commands, 522
 - file size, 181
 - Fill Color tool (Fireworks), 157
 - Fill Pixels mode (Photoshop), 141–143
 - fills
 - color, 104, 106, 163, 196
 - ellipses and circles, 71
 - settings, 67–70
 - text, 114
 - filters
 - Fireworks, 167–169
 - Illustrator, 117
 - Photoshop, 114
 - Filters menu (Fireworks), 166
 - Filters settings, 248
 - Find and Replace panel (Fireworks), 160
 - Find Edges filter (Fireworks), 168
 - Finder (Mac), 312, 470
 - Fireworks
 - adding prototype objects, 171–172
 - adding text, 164–166
 - creating new file, 152–153
 - custom panel arrangement, 54
 - exporting as FXG, 173
 - file formats, 11
 - importing bitmap files, 166–167

Index

Fireworks (continued)

interface, 48

library of components, 81

panels

Access CS Live panel, 159

Align panel, 158

Behaviors panel, 160

Color Palette panel, 159–163

Common Library panel, 159, 171–172

Document Library panel, 159

Find and Replace panel, 160

History panel, 158

Image Editing panel, 159

Info panel, 160

Kuler panel, 160

Layers panel, 159

Optimize panel, 158

overview, 51, 52

Pages panel, 158

Path panel, 159

Properties panel, 159, 164–165, 167

Search for Help panel, 160

Shapes panel, 159

Special Characters panel, 159

States panel, 159

Styles panel, 159

Swatches panel, 159, 160, 163, 164

Symbol Properties panel, 160

Tools panel, 153–157

URL panel, 160

release, 2, 151

saving artwork as symbols, 169–170

tools

Arrow Line tool, 156

Arrow tool, 156

Beveled Rectangle tool, 156

Blur tool, 155

Brush tool, 155

Burn tool, 155

Chamfer Rectangle tool, 156

Connector Line tool, 156

Crop tool, 155

Distort tool, 155

Dodge tool, 155

Doughnut tool, 156

Ellipse tool, 156

Eraser tool, 155

Export Area tool, 155

Eyedropper tool, 157

Fill Color tool, 157

Freeform tool, 156

Full Screen mode tool, 157

Full Screen with Menus mode tool, 157

Gradient tool, 157

Hand tool, 157

Hide Slices and Hotspots tool, 157

L-Shape tool, 156

Lasso tool, 155

Line tool, 155

Magic Wand tool, 155

Marquee tool, 155

Measure tool, 156

9-Slice Scaling tool, 155

No Stroke or Fill tool, 157

Oval Marquee tool, 155

overview, 50

Paint Bucket tool, 157

Path Scrubber tool, 156

Pen tool, 155

Pencil tool, 155

Pie tool, 156

Pointer tool, 154

Polygon Hotspot tool, 156

Polygon Lasso tool, 155

Polygon Slice tool, 157

Polygon tool, 156

Rectangle Hotspot tool, 156

Rectangle tool, 155

Red Eye Removal tool, 155

Redraw Path tool, 155

Replace Color tool, 155

Reshape Area tool, 156

Rounded Rectangle tool, 156

Rubber Stamp tool, 155

Scale tool, 154

Select Behind tool, 154

Sharpen tool, 155


Show Slices and Hotspots tool, 157

Skew tool, 154

Slice tool, 157

Smart Polygon tool, 156

Smudge tool, 155

- Spiral tool, 156
- Star tools, 156
- Stroke Color tool, 157
- Subselection tool, 154
- Swap Stroke/Fill Colors tool, 157
- Text tool, 156, 164–165, 166
- Vector Path tool, 155
- Zoom tool, 157
- working between programs, 38
- working with color, 160–164
- working with filters, 166–169
- Fireworks CS3, 151
- Fireworks CS5
 - interface, 50
 - panel layout, 158
 - Start screen, 152
- Fit Artboard in Window command (Ctrl+0, +0), 523
- Fit magnification, 66
- FLA files, 240
- Flare tool, 100
- Flash
 - development, 32–34
 - release, 2
- Flash Builder
 - branding, 34
 - changing skins, 533
 - connecting to live data
 - binding visual component, 513–517
 - changing project type, 503–513
 - connecting projects to, 283–292
 - setting up local testing servers, 489–503
 - converting artwork to components, 191, 193
 - debugging, 271–274, 273
 - Design mode, 282
 - importing projects, 24, 36, 275–279, 469–476
 - merging changes, 479–487
 - naming files, 116
 - programming, 4
 - projects in Flash Catalyst, 293–295
 - running projects, 279, 476–478
 - view options, 24, 25
 - viewing Help, 280–281
 - views
 - Components view, 283
 - Data/Services view, 284, 288, 290, 504, 510, 514
 - default, 283
 - Dynamic Help view, 280–281
 - Help view, 280
 - Outline view, 258, 283
 - Package Explorer view, 24, 258, 277, 283, 307, 473, 475, 510
 - panels vs., 282
 - source view, 292, 474
 - States views, 283
 - working with ColdFusion, 490
- Flash Builder 4
 - Design mode, 259–260
 - development process, 55–56
 - installation, 257
 - interface, 23, 258
 - overview, 34
- Flash Catalyst. *See also specific headings*
 - best practices, 115–117
 - Code workspace, 39, 42–43
 - Design workspace, 39–42
 - development, 35
 - Heads Up Display, 43–44
 - main workspace, 38–39
 - project types, 36
 - Start screen, 37, 38
- Flash Catalyst CS5
 - branding, 1
 - creating components, 18
 - design, 14
 - importing Illustrator files, 15–17
 - interactions, 19–22
 - optimizing graphics, 16–17
 - view states, 18–20
 - workflow, 3–4
- Flash movies, 306
- Flash Player
 - AIR, 306
 - animation, 225, 231
 - breakpoints, 272
 - data list, 467, 468
 - debugging, 273
 - deleting components, 215
 - deploying projects to Web, 302–304
 - development, 29
 - exporting projects as SWFs, 299–302
 - Flex framework, 253
 - font embedding, 302

Index

- Flash Player (*continued*)
 - interactions, 19
 - live data, 489
 - optimized graphics, 188, 189
 - overview, 2–3, 32
 - radio buttons, 419
 - running Flex applications, 18
 - running projects, 83–85, 197, 476
 - Flash Player 10, 32
 - Flash Player 11, 32
 - Flash Professional
 - ActionScript, 239, 255
 - blending modes, 79
 - coding capabilities, 34
 - Flash Player, 3
 - importing SWF files, 240
 - running projects, 85
 - working between programs, 38
 - Flash Professional CS4, 32
 - Flash Professional CS5, 32, 33
 - Flash Video, 243
 - flattened objects, 179
 - Flex 3, 266
 - Flex 4
 - components, 267–269
 - creating new project, 261
 - main application file, 265
 - namespaces, 266–267
 - Flex Build Path tab, 298
 - Flex Builder, 257
 - Flex framework
 - ActionScript 3.0, 254–255
 - code, 23
 - converting artwork, 191
 - creating projects, 260–265
 - creativity, 7
 - defined, 3, 253
 - design comp, 4
 - design-time data, 233
 - designer best practices, 531
 - interactions, 19
 - MXML, 253–254
 - object-oriented programming, 254–257
 - overview, 33–34
 - project files, 36
 - running projects, 270
 - SWF documents, 211
 - view states, 18
 - Flex Server configuration dialog box, 507
 - FLV files, 243–244
 - folders, 262–265, 268
 - font
 - adding text, 73
 - device, 302
 - embedding, 117, 299, 302
 - Fireworks, 166
 - text input fields, 422, 423
 - forms, 199–200
 - Free Transform tool, 110
 - Freeform tool (Fireworks), 156
 - FTP program, 302–304
 - Full Screen mode tool (Fireworks), 157
 - Full Screen with Menus mode tool (Fireworks), 157
 - FutureSplash, 32
 - FXG files
 - creating new project, 14
 - creating SWF files, 240
 - exporting, 173
 - importing, 36
 - optimized graphics, 189
 - round-trip editing, 187, 188
 - FXP files
 - exporting, 293
 - importing, 277–279, 469
 - naming, 61
 - saving projects, 85, 294
 - Start screen, 14
 - FXPL files, 295–297
- ## G
- Gassner, David, 265
 - Gaussian Blur filter (Fireworks), 168
 - Generate Details Form (Flash Builder), 516
 - Generate Form wizard, 516
 - generic component, 193. *See also* custom component
 - GIF files, 11, 152, 185
 - Glow filter (Fireworks), 168
 - Go to URL function, 219
 - Google Chrome, 306
 - `gotoAndPlay` actions, 254
 - gradient
 - Illustrator, 107–109, 179
 - stroke settings, 67, 69, 71
 - Gradient panel (Illustrator), 107–109

- Gradient tool (Illustrator), 109
 graphics. *See also* artwork; images
 optimizing
 converting artwork, 385–386
 Flash Catalyst best practices, 533
 imported graphics, 16–17, 188–189, 393
 Optimized Graphics dialog box, 376
 rasterizing, 364–367
 static, 191
 symbols, 169
 Web, 151
 Grayscale, 108, 130
 Grid ⇨ Show Grid command (Ctrl+, ⌘+), 523
 Grid ⇨ Snap to Grid command (Ctrl+Shift+, ⌘+Shift+), 523
 Group command (Ctrl+G, ⌘+G), 525
 Group element, 267–268
 Group Selection tool, 92
 groups
 converting artwork, 193–195
 removing unneeded, 381–382
 guides, 99–100, 102, 321, 363
 Guides ⇨ Lock Guides command (Ctrl+Alt+;, ⌘+Option+;), 523
 Guides ⇨ Show Guides command (Ctrl+;, ⌘+;), 523
 Guides ⇨ Snap to Guides command (Ctrl+Shift+;, ⌘+Option+;), 523
- ## H
- Hand keyboard shortcut (H), 527
 Hand tool (Flash Catalyst), 22, 64–66
 Hand tool keyboard shortcut (spacebar), 527
 Hard Light blend mode, 81
 Heads Up Display (HUD)
 built-in view states, 441, 442
 converting artwork, 408, 409, 413, 414, 417, 418, 421, 422, 426
 components, 192, 193, 196, 198, 199, 205, 208
 data list, 455–459
 creating buttons, 20
 Edit Parts button, 235
 editing parts, 428
 interface, 16
 Optimize Artwork menu, 397
 optimized graphics, 189
 optimizing images, 17, 386
 overview, 43–44
 Heads Up Display (HUD) command (F7), 526
 Healing Brush tool (Photoshop), 137, 138
 height
 document size, 89
 project, 6
 rectangle, 67
 Help application, 46
 Help command (F1), 526
 Help Menu commands, 526
 Help tooltip (Flash Builder), 280
 Help view (Flash Builder), 280
 hexadecimal colors, 161
 Hide all Panels command (F4, Tab), 526
 Hide Slices and Hotspots tool (Fireworks), 157
 hiding
 components, 214–215
 Home State layer, 392
 layers, 113, 132, 391
 source code, 309
 view states, 435–437
 highlights, 136–137
 history folder, 301
 History panel (Fireworks), 158
 home page (ColdFusion), 491, 501
 Home State layer
 converting artwork, 408
 creating main content area, 333–352
 hiding, 392
 horizontal scrollbar
 adding, 82
 converting artwork, 193
 horizontal slider
 adding, 82
 converting artwork, 193
 hosting company, 302–303
 HTML. *See* Hypertext Markup Language
 html-template folder, 264
 HTTP (Hypertext Transfer Protocol), 30
 HTTPRequest, 31
 HTTPService, 284
 HUD. *See* Heads Up Display
 Hue/Saturation filter (Fireworks), 168
 Hypertext Markup Language (HTML)
 adding text, 73
 development, 29–30
 embedding fonts, 302
 expansion, 2

Index

Hypertext Markup Language (HTML) (*continued*)

- Flex applications, 18
- folders, 264
- saving artwork, 169
- similarities to MXML, 36

Hypertext Transfer Protocol (HTTP), 30

I

iconic mode, 51, 52, 109

IDE (integrated development environment), 34, 257

illegal characters, 213

Illustrator

- adding text, 113–114
- advantages, 4
- applying effects, 114, 115
- artboard, 6–7, 11, 12, 114
- best practices, 115–117
- copying and pasting, 399–402
- creating new file, 87–90
- developer best practices, 532
- development, 1
- file formats, 12, 14
- Flex framework, 3
- importing from, 15–17, 35, 36, 177–180, 371–376, 389–393
- importing into, 11–12, 15–17
- interface, 5–6, 48, 49
- layers and sublayers, 12–13, 110–113
- modifying artwork
 - Direct Select tool, 103–104
 - paths, 95, 96
 - transforming objects, 109–110
 - using gradients, 107–109
 - working with color, 104–107
- opening program, 318
- panels
 - Align panel, 337–338, 348–349
 - Appearance panel, 114
 - Character panel, 114, 325
 - Color Guide panel, 106
 - Color Mixer panel, 160
 - Control panel, 113–114
 - Gradient panel, 107–109
 - Layers panel, 12, 13, 111–113, 319, 320, 324, 332, 334, 341, 342, 360

Links panel, 367

overview, 51

Paragraph panel, 114

Swatches panel, 106–109, 330, 332

Tools panel, 6, 90–91, 104

round-trip editing, 187–188, 402–405

selection tools, 91–92

tools, 7–10, 50

Brush tool, 330

changing direction of curves, 97–99

combining straight and curve segments, 95–97

Ellipse tool, 100, 362

Eraser tool, 102–103

Gradient tool, 109

Lasso tool, 92

Magic Wand tool, 92

modifying paths, 95

Paint Brush tool, 8, 9, 101

painting tools, 101–102

Pen tool, 7–8, 92–95, 97

Polygon tool, 100

Rectangle tool, 99, 328, 345, 355–356

Rounded Rectangle tool, 99, 327–328

Scale tool, 110

selection tools, 91–92

shape tools, 9, 10, 99–100

Smart Guides, 99–100, 102

Star tool, 100

Text tool, 113–114

Zoom tool, 322, 360, 361, 366

vector graphics, 55

Window menu, 53

Illustrator CS4, 114

Illustrator CS5

Blob brush, 117

drawing tools, 91

Start screen, 88, 319

Illustrator Import Options dialog box, 15, 372, 373, 391, 392

Illustrator tutorial

backgrounds, 330–333

bottom navigation, 329–330

boxes, 327–329

category list, 325, 326

creating logos, 322–324

creating new file, 318–321

design requirements, 317–318

- main content area, 333–352
 - top navigation, 327
- Image Editing panel (Fireworks), 159
- image file formats, 11
- image retouching
 - color correction, 134–136
 - fixing highlights and shadows, 136–137
 - removing blemishes, 137–140
- Image Size dialog box, 130, 131
- images
 - continuous-tone, 55
 - cropping, 130–132
 - file format, 11
 - importing, 183–184, 236
 - placeholder, 354
 - rasterizing, 364–367
 - selecting, 123–130
 - combining selection tools, 127–128
 - Lasso tool, 124–126
 - Magic Wand tool, 127, 128
 - rectangular and elliptical selection, 123–124
 - removing selections, 128
 - saving selections, 129
 - Smart Selection tool, 126–128
 - sizing, 130–132
 - viewing, 121–123
- Import command, 398
- Import Flex Project command (Flash Builder), 472
- Import Flex Project dialog box (Flash Builder), 277, 278, 472
- Import menu (Flash Catalyst), 184, 390
- Import Options dialog box
 - Illustrator, 179, 180
 - Photoshop, 180–182
- Import SWF dialog box, 241
- Import to Stage dialog box (Photoshop), 182
- importing. *See also* Exporting
 - breaking up files, 389
 - copy and paste, 398–402
 - into Fireworks, 166–167
 - into Flash Builder, 24, 275–279, 469–476
 - converting to AIR projects, 307
 - FXPL files, 296
 - Flash Catalyst files, 36, 275–279
 - graphics, 183–186
 - from Illustrator, 15–17, 35, 36, 177–180, 371–376, 389–393
 - into Illustrator, 11–12, 15–17, 92, 116
 - images, 236
 - optimizing graphics, 188–189
 - options, 38
 - from Photoshop, 35, 36, 180–183, 389, 393–398
 - sound, 230, 249
 - SWF files, 239–241
 - video, 243–245
- Importing Adobe Illustrator File dialog box, 372–375
- Inactive state, 209
- indicator icon (Illustrator), 94
- Info panel (Fireworks), 160
- inline formatting, 74
- Inner Bevel filter (Fireworks), 168
- Inner Shadow filter (Fireworks), 169
- Inset Emboss filter (Fireworks), 168
- install directory, 311
- installation
 - Adobe Integrated Runtime applications, 311–312
 - AIR application, 311
 - ColdFusion, 493–501
 - Flash Builder 4, 257
- installation directory, 497
- integrated development environment (IDE), 34, 257
- interactions. *See also* video
 - creating, 443–445
 - testing, 446
 - view states, 217–220
- Interactions panel
 - Design workspace, 41
 - expanding, 444
 - interface, 16
 - transactions, 20, 21
- interactivity
 - buttons, 196
 - designer best practices, 530
 - Dynamic HTML, 30
- interface
 - Adobe CS5, 48–50
 - Color Picker, 101
 - Fireworks, 48, 50
 - Flash Builder 4, 23, 258
 - Flash Catalyst, 16
 - FTP programs, 303
 - Heads Up Display, 16

Index

interface (*continued*)

- Illustrator, 5–6
- Photoshop, 48
- Timeline panel, 16

Internet Explorer

- development, 30
- JavaScript, 31
- running projects, 84

Invert blend mode, 81

Invert filter (Fireworks), 168

item renderers, 295

J

Java, 283, 284

Java Runtime Environment (JRE), 306

JavaScript

- Ajax, 31, 32
- browser sniffing, 30

Joints setting, 69, 71

JPEG files, 120, 185

JPG files, 11, 152

JRE (Java Runtime Environment), 306

Jscript, 31

K

keyboard modifier, 95, 97, 98

keyboard shortcuts

- basic commands, 521–526
- Design and Code workspaces, 40
- disabling HUD, 43
- Fireworks panels, 158–160
- Flash Catalyst design, 14
- overview, 65
- Photoshop Zoom tool, 123
- running projects, 83, 85, 270
- temporary tool selections, 527
- tool selections, 50, 526–527

Knife (Fireworks), 156

Kuler panel (Fireworks), 160, 165

L

L-Shape tool (Fireworks), 156

Lasso tool

- Illustrator, 92
- Photoshop, 124–126

Layer blend mode, 80

Layer Options dialog box, 111–112

Layer Properties dialog box, 144

Layer Style dialog box, 144, 145

layer styles, 144–145

layers

- conversion, 15
- converting artwork, 193–195, 408–410
- creating, 133, 378–379
- deleting, 133, 136, 381
- hiding, 113, 132, 391
- Illustrator, 12–13, 110–113, 333
- importing from Illustrator, 390
- importing from Photoshop, 394–396
- merging, 181
- organizing, 115
- Photoshop, 132–134, 136, 140, 144–149, 182
- removing components, 215
- renaming, 76, 77, 111, 179, 377–378, 409, 410, 530–531
- sub-
 - creating new, 341–343, 379–380
 - Illustrator, 110–113
 - organizing, 115
 - overview, 75, 76
 - Photoshop, 132
 - selecting artwork, 192
- view states, 435, 436, 439
- wireframing, 75–78

Layers panel

- Fireworks, 159
- Flash Catalyst
 - Design workspace, 41
 - editing components, 411
 - importing layers, 180
 - interface, 16
 - organizing artwork, 377
 - repositioning layers, 78
 - Show/Hide Layer button, 214

Illustrator

- Background layer, 360
- color, 332
- creating new layers, 334, 341, 342
- organizing artwork, 111–113
- overview, 12, 13
- renaming layers, 319, 320, 324

Photoshop

- deleting layers, 133
- opacity setting, 134

- Layout category, 235, 462
 - LCDS, 284
 - leading, 325
 - Levels filter (Fireworks), 168
 - libraries, runtime shared, 301–302
 - library dialog box, 466
 - library package, 295–298
 - Library package files, 295–298
 - Library panel (Flash Catalyst)
 - creating FXPL files, 296
 - Design workspace, 41
 - imported artwork, 186
 - importing FXPL files, 296–297
 - interface, 16
 - renaming components, 409, 410
 - libs folder, 265
 - Lighten blend mode, 80
 - line thickness, 341
 - Line tool (Flash Catalyst), 71–72
 - Line tool keyboard shortcut (N or), 527
 - linear gradient, 107, 108
 - lines, 71–72
 - Links panel (Illustrator), 367
 - live data
 - binding visual component, 513–517
 - changing project type, 503–513
 - connecting projects to, 283–292
 - setting up local testing servers, 489–503
 - local testing servers, 489–503
 - locking, 113
 - logical error, 271
 - login page (ColdFusion), 491, 501
 - logo
 - Illustrator tutorial, 322–324
 - optimizing, 17
- ## M
- Macintosh, 303, 318
 - Macromedia
 - creation of MXML, 254
 - development of Flash, 29, 32
 - limitations of Flash Professional, 3
 - marketing Flash, 33
 - release of design tools, 2
 - Magic Wand tool
 - Illustrator, 92
 - Photoshop, 127, 128
 - Magnetic Lasso tool, 125–126
 - magnification, 65, 66, 121, 322. *See also* Zoom tool
 - Magnification ⇧ 50% command (Ctrl+5, ⌘+5), 523
 - Magnification ⇧ 100% command (Ctrl+1, ⌘+1), 523
 - Magnification ⇧ 200% command (Ctrl+2, ⌘+2), 523
 - Magnification ⇧ 400% (Ctrl+4, ⌘+4), 523
 - Magnification ⇧ 800% (Ctrl+8, ⌘+8), 523
 - main application file (Flash Builder), 276, 279, 295, 477
 - main content area, 333–352
 - main.css file, 301, 303
 - main.html file, 301
 - main.swf file, 301, 303
 - Make Same in All Other States command (Ctrl+Alt+M, ⌘+Option+M), 215, 216, 525
 - margins, 321
 - marquee tag, 30
 - Marquee tool (Fireworks), 155
 - Maximum property (slider), 202
 - Measure tool (Fireworks), 156
 - Media Encoder, 243–244
 - Media folder (project Library), 241
 - merging projects, 294–295
 - methods (object-oriented programming), 256, 257
 - Microsoft
 - development of Internet Explorer, 30
 - development of Jscript, 31
 - Microsoft Excel, 1
 - Microsoft PowerPoint, 1
 - Microsoft Word, 1
 - middleware, 299
 - Minimum property (slider), 202
 - Miter option (Joints setting), 69, 71, 72
 - Mixer mode (Fireworks), 161, 162
 - modeling, 255
 - modifier key, 95, 97, 98
 - Modify Menu commands, 524–525
 - modifying
 - contents of view states, 434–437
 - ellipses and circles, 71
 - Illustrator artwork
 - Direct Select tool, 103–104
 - paths, 95, 96
 - transforming objects, 109–110
 - using gradients, 107–109
 - working with color, 104–107
 - paths, 95
 - rectangles, 66, 67

Index

- modular applications, 191. *See also* components
 - Motion Blur filter (Fireworks), 168
 - MOV files, 243, 244
 - Move actions, 221, 230, 452
 - Move tool, 50
 - moving
 - actions, 221
 - adding animation, 231
 - axis point, 76
 - components, 215, 216, 449
 - sublayers, 78
 - MP3 files, 249
 - MPEG files, 243
 - multimedia
 - adding SWFs, 239–242
 - controlling video player, 245–248
 - importing sound, 249
 - importing video, 243–245
 - overview, 250
 - playing sound, 249
 - Multiply blend mode, 79–80, 134
 - muting audio, 248
 - MX namespace, 267
 - MXML
 - case sensitivity, 410
 - components, 267, 268
 - converting artwork, 385
 - defined, 253
 - Flex applications, 3, 23, 33
 - generating code, 275
 - hiding code, 309
 - namespaces, 266
 - separate Flex projects, 295
 - similarities to HTML, 36
 - syntax rules, 254
 - viewing help on code, 280
 - viewing project code, 275, 276
 - MXML 2006 namespace, 266
 - MXML 2009 namespace, 266
- ## N
- namespaces (Flex 4), 266–269
 - naming
 - application file, 263
 - assets, 117
 - camel casing method, 254, 256, 257
 - components, 195, 267, 409, 410
 - conventions, 116, 486
 - designer best practices, 530–531
 - Flex projects, 260
 - Illustrator files, 89–90
 - property type, 512
 - radio button groups, 203
 - renaming
 - buttons, 415
 - components, 195
 - graphics, 189
 - layers, 76, 77, 111, 112, 179, 334, 377–378, 409, 530–531
 - text input component, 424
 - view states, 212–213, 432, 433
 - view states, 431
 - wireframing, 61
 - navigation bar, 328, 413
 - Navigator, 30, 31
 - nesting
 - components within components, 194–195, 412–413
 - MXML, 254
 - tools, 153, 154
 - Netscape Corporation, 30, 31
 - New Blank State button, 212
 - New Blank State command (Ctrl+Shift+B, ⌘+Shift+B), 525
 - New Document dialog box
 - Fireworks, 152, 153
 - Illustrator, 89–90, 319, 320
 - New Duplicate State command (Ctrl+Shift+D, ⌘+Shift+D), 525
 - New Flex Service dialog box (Flash Builder), 287
 - New Layer button, 112, 133, 390, 394
 - New MXML Component dialog box, 268
 - New Project command (Ctrl+N, ⌘+Z), 522
 - New Project dialog box, 61, 62
 - New project menu (Flex), 261
 - New Project wizard, 262
 - New York Times*, 306
 - 9-Slice Scaling tool (Fireworks), 155
 - No Stroke or Fill tool (Fireworks), 157
 - non-destructive editing, 133, 136
 - Normal blend mode, 80
 - Normal state (scrollbar), 209

O

object-oriented programming (OOP), 254–257

objects

- defined, 255
- properties, 256

On Video Load Complete, 245

On Video Play Complete, 245

Opacity setting, 69–71, 134

Open Project command (Ctrl+O, ⌘+O), 522

open-source applications, 37, 257, 502. *See also* Flex framework

opening files

- Flash Catalyst, 479
- Photoshop, 119–121

operating systems, 305–306

Optimize Artwork menu, 397

Optimize panel (Fireworks), 158

Optimized Graphics dialog box, 376

optimizing graphics

- converting artwork, 385–386
- Flash Catalyst best practices, 533
- imported graphics, 16–17, 188–189, 393
- Optimized Graphics dialog box, 376
- rasterizing, 364–367

Outer Bevel filter (Fireworks), 168

Outline view (Flash Builder), 283

outlines, text, 117

output folder, 262, 263

Oval Marquee tool (Fireworks), 155

Over state (buttons), 196, 198, 203, 223, 441, 442

Overlay blend mode, 81, 134

P

Package Explorer view (Flash Builder), 24, 277, 283, 307, 311, 473, 475, 510

packages, 279

packages (object-oriented programming), 256

Pages panel (Fireworks), 158

Pages/States panel

- buttons, 196
- Design workspace, 40
- editing components, 411
- resizing, 44
- view states, 19, 211–213, 215, 431

Paint Brush tool (Illustrator), 8, 9, 101

Paint Bucket tool (Fireworks), 157

painting tools (Illustrator), 101–102

panels. *See also* views (Flash Builder)

- Adobe CS5, 51–54
- Code workspace, 42–43
- collapsing, 45, 51
- Design workspace, 38–42
- Fireworks
 - Access CS Live panel, 159
 - Align panel, 158
 - Behaviors panel, 160
 - Color Palette panel, 159–162
 - Common Library panel, 159, 171
 - Document Library library, 159
 - Find and Replace panel, 160
 - History panel, 158
 - Image Editing panel, 159
 - Info panel, 160
 - Kuler panel, 160
 - Layers panel, 159
 - Optimize panel, 158
 - Pages panel, 158
 - Path panel, 159
 - Properties panel, 159, 164–165, 166
 - Search for Help panel, 160
 - Shapes panel, 159
 - Special Characters panel, 159
 - States panel, 159
 - Styles panel, 159
 - Swatches panel, 159, 160, 163–164
 - Symbol Properties panel, 160
 - URL panel, 160
- Flash Catalyst
 - Design-time Data panel, 16, 41, 206, 207, 236, 465, 467
 - Interactions panel, 16, 20, 21, 41, 444
 - Layers panel, 16, 41, 78, 180, 214, 377, 411
 - Library panel, 16, 41, 186, 296–297, 409, 410
 - Pages/States panel, 19, 40, 44, 196, 211–213, 215, 411, 431
 - Problems panel, 43, 275, 276
 - Project Navigator panel, 42, 43, 275–276
 - Properties panel, 16, 42, 66, 67, 71, 73, 79, 200, 206, 228–231, 235, 247, 248, 460, 462
 - Timeline panel, 16, 17, 22, 220–223, 226–227, 232, 242, 447

Index

panels (*continued*)

- Timelines panel, 42, 44, 45
- Tools panel, 40, 72
- Wireframe Components panel, 41, 81
- Hide all Panels command, 526
- Illustrator
 - Align panel, 337–338, 348–349
 - Appearance panel, 114
 - Character panel, 114, 325
 - Color Guide panel, 106
 - Color Mixer panel, 160
 - Control panel, 113–114
 - Gradient panel, 107–109
 - Layers panel, 12, 13, 111–113, 319, 320, 324, 332, 334, 341, 342, 360
 - Paragraph panel, 114
 - Swatches panel, 106–109, 330, 332
 - Tools panel, 6, 90–91, 104
- Photoshop
 - Adjustments panel, 135, 136
 - Character panel, 145
 - Layers panel, 133, 134
 - Paragraph panel, 145
 - Tool Options panel, 127
- resizing, 44–45
- Paragraph panel
 - Illustrator, 114
 - Photoshop, 145
- Pascal case, 255
- password, 498, 500, 508
- Paste command (Ctrl+P, ⌘+P), 522
- Patch tool (Photoshop), 139, 140
- Path panel (Fireworks), 159
- Path Scrubber tool (Fireworks), 156
- paths, 95, 96, 140–142
- PDF files, 306
- Pen tool
 - Illustrator, 7–8, 92–95, 97
 - Photoshop, 140
- Pencil tool (Fireworks), 155
- perspective (Flash Builder), 282
- photography Web sites, 120
- Photoshop
 - developer best practices, 532
 - development, 1
 - file formats, 11, 14
 - filters, 114
 - Fireworks vs., 5
 - Flex framework, 3
 - image retouching
 - color correction, 134–136
 - fixing highlights and shadows, 136–137
 - removing blemishes, 137–140
 - importing from, 35, 36, 180–183, 389, 393–398
 - interface, 48
 - layer styles, 144–145
 - layers, 132–134, 136, 140, 147–149, 182
 - opening files, 119–121
 - panels
 - Adjustments panel, 135, 136
 - Character panel, 145
 - Layers panel, 133, 134
 - overview, 51, 52
 - Paragraph panel, 145
 - Tool Options panel, 127
 - raster graphics, 55
 - selecting images, 123–130
 - combining selection tools, 127–128
 - Lasso tool, 124–126
 - Magic Wand tool, 127, 128
 - rectangular and elliptical selection, 123–124
 - removing selections, 128
 - saving selections, 129
 - Smart Selection tool, 126–128
 - sizing and cropping images, 130–132
 - text, 145–149
 - tools
 - Custom Shape tool, 143
 - Elliptical Marquee tool, 123–124
 - Healing Brush tool, 137, 138
 - Lasso tool, 124–126
 - Magic Wand tool, 127, 128
 - overview, 50
 - Patch tool, 139, 140
 - Pen tool, 140
 - Pointer tool, 399
 - Polygon Lasso tool, 125
 - Rectangle Marquee tool, 123–124
 - Rectangle tool, 143
 - Red Eye Removal tool, 140
 - Rounded Rectangle tool, 143
 - Smart Selection tool, 126–128
 - vector shapes and paths, 140–143
 - viewing images, 121–123

- Photoshop Import Options dialog, 395, 396
 - Photoshop Live Effects filter (Fireworks), 169
 - PHP, 284
 - Pie tool (Fireworks), 156
 - pixels
 - blending, 79–80, 137, 139
 - color channels, 130
 - copying selections, 133
 - document size, 89
 - Fill Pixels mode, 141–143
 - font measurement, 73
 - raster graphics, 54–55
 - reducing file size, 181
 - selecting region, 123
 - Pizza Hut, 306
 - Place command (Illustrator), 11
 - placeholder image, 354
 - placeholder text, 325
 - Play Action Sequence interaction, 219, 225, 242
 - Play Timeline command (Ctrl+Shift+P, ⌘+Shift+P), 525
 - Play Transition to State function, 219
 - playback controls (video), 246–248
 - playerProductInsta11.swf file, 301
 - PNG files, 11, 120, 152, 185
 - Pointer tool (Photoshop), 399
 - Polygon Hotspot tool (Fireworks), 156
 - Polygon Lasso tool (Photoshop), 125
 - Polygon Slice tool (Fireworks), 157
 - Polygon tool (Illustrator), 100
 - PowerPoint, 1
 - precise shapes, 100
 - Preview Mode, 90
 - previewing
 - interactions, 220
 - projects, 534
 - transitions, 223
 - print document, 88
 - Problems panel
 - Code workspace, 43, 275, 276
 - displaying errors, 275
 - Problems view (Flex), 271, 272
 - programming, 4
 - project-based model, 36
 - project folders (Flex), 264–265
 - Project Navigator panel
 - Code workspace, 42, 43
 - displaying files, 275–276
 - Project Properties, 298
 - properties (object-oriented programming), 256, 257
 - Properties Dialog box (Flash Builder), 297
 - Properties panel
 - Common category, 247, 248
 - default settings, 462
 - Fireworks, 159, 164–165, 167
 - Flash Catalyst
 - adding text, 73
 - blend modes, 79
 - changing repeat item's appearance, 460
 - Common category, 247, 248
 - configuring actions, 228–231
 - Design workspace, 42
 - editing, 200
 - interface, 16
 - Layout category, 235, 462
 - modifying ellipses and circles, 71
 - modifying rectangles, 66, 67
 - repeating item, 206
 - stroke settings, 67
 - Properties view (Flash Builder), 283
 - prototype objects, 171–172
 - PSD files, 11, 394, 398. *See also* Photoshop
 - Publish as SWF command, 312
 - Publish as SWF dialog box, 300, 313
- ## Q
- quotation marks, 254
- ## R
- Radial Blur filter (Fireworks), 168
 - radial gradient, 107
 - radio buttons
 - adding, 82
 - built-in view states, 441
 - converting artwork, 193, 203
 - creating, 415, 417–421
 - Raised Emboss filter (Fireworks), 168
 - Raster Effects setting, 90
 - raster graphics. *See also* bitmap files
 - importing, 116
 - resolution, 122
 - vector vs., 54–55

Index

- Rasterize dialog box (Illustrator), 366
- rasterizing
 - brushes, 117
 - images, 364–367
- RDS. *See* Remote Development Service
- read-only view (Flash Catalyst), 275
- Rectangle Hotspot tool (Fireworks), 156
- Rectangle Marquee tool (Photoshop), 123–124
- Rectangle tool
 - Flash Catalyst, 65–67
 - Illustrator, 99, 328, 345, 355–356
 - Photoshop, 143
- Rectangle tool dialog box, 101
- Rectangle tool keyboard shortcut (M), 527
- rectangles
 - selecting, 123–124
 - semitransparent, 70
 - wireframing, 66–67
- Red Eye Removal tool (Photoshop), 140
- Redo command (Ctrl+Shift+Z, **⌘**+Shift+Z), 522
- Redraw Path tool (Fireworks), 155
- Reflect tool, 109
- Refresh Artboard Command (F5), 523
- relational database systems, 502
- Remote Development Service (RDS), 498, 499, 508, 509
- Remove from State command, 214, 217
- removing
 - assets, 217
 - blemishes, 137–140
 - components, 214, 215
 - red eye, 140, 155
 - Remove from State command, 217
 - selections, 128
 - selections in Photoshop, 128
 - unnneeded groups, 381–382
- renaming
 - buttons, 415
 - components, 195
 - graphics, 189
 - layers, 76, 77, 111, 112, 179, 334, 377–378, 409, 530–531
 - text input component, 424
 - view states, 212–213, 432, 433
- repeated item, 205
- repeating item
 - configuring appearance, 458–465
 - converting to data list, 234–237
 - data list, 206
- Replace Color tool (Fireworks), 155
- repositioning
 - artwork, 382
 - layers, 78
- resampling, 130, 131
- Reshape Area tool (Fireworks), 156
- Resize action, 231
- resizing
 - adding animation, 231
 - artwork, 384–385
 - data list, 464
 - panels, 44–45
 - Photoshop images, 130–131
 - Scale tool, 110
- resolution
 - Fireworks files, 153
 - raster graphics, 90, 116, 122
 - reducing file size, 181
 - Web page images, 130
- retouching
 - color correction, 134–136
 - fixing highlights and shadows, 136–137
 - removing blemishes, 137–140
- return data, 510–513
- reusing components, 195, 424–425
- RGB color space, 88, 90, 107, 108, 130, 160, 161
- Rich Internet Applications (RIAs)
 - Ajax, 31–32
 - conversion, 14
 - creation of, 2–4
 - dynamic HTML, 30–31
 - early development, 29
 - Flash platform, 32–34
 - Illustrator tools, 91
 - user interface, 253
 - workflow, 47
- right-clicking
 - converting to component, 43, 192
 - duplicating states, 212
 - round-trip editing, 403
- root element, 254
- Rotate action, 231
- Rotate 3D action, 231
- Rotate tool, 109, 383

- rotating
 - adding animation, 231
 - artwork, 383–384
 - Transform tool, 74, 75
 - Rotation setting, 70, 71
 - Round option (Joints setting), 69
 - round-trip editing
 - developing projects, 293
 - FXG files, 173
 - Illustrator, 187–188, 402–405
 - Rounded Rectangle tool
 - Flash Catalyst, 66, 75
 - Illustrator, 99, 327–328
 - Photoshop, 143
 - Rounded Rectangle tool keyboard shortcut (U), 527
 - Rubber Stamp tool (Fireworks), 155
 - Run button, 270, 279, 476, 477
 - Run command (Ctrl+Enter, ⌘+Enter), 522
 - run-`local` folder, 300–302
 - running projects
 - button states, 197
 - Flash Builder, 279, 476–478
 - Flex, 270
 - testing interactions, 220, 446
 - wireframing, 83–85
 - runtime error, 271
 - runtime shared libraries, 301–302
- ## S
- Safari, 306
 - Save As command (Ctrl+Shift+S, ⌘+Shift+S), 522
 - Save As Copy command (Ctrl+Alt+S, ⌘+Option+S), 522
 - Save command (Ctrl+S, ⌘+S), 522
 - Save Selection dialog box, 129
 - saving
 - Flash Catalyst projects, 480, 481
 - Flex projects, 260
 - Illustrator files, 12, 312
 - running projects, 270
 - selections in Photoshop, 129
 - Scale tool (Illustrator), 110
 - Screen blend mode, 80, 134
 - screen resolution, 63
 - script, 489
 - scroll panels
 - associate scrollbar, 209–210
 - converting artwork, 193, 204–207
 - scrollbars
 - adding, 82
 - associate, 209–210
 - automatic, 207
 - converting artwork, 205, 207–210, 427–430
 - converting to data list, 234, 235, 455, 458
 - horizontal, 82, 193
 - running projects, 83
 - vertical, 82, 193
 - scrolling data, 205
 - SDK (Software Development Kit), 33
 - Search for Help panel (Fireworks), 160
 - security, 309
 - Seismic application, 306
 - Select All command (Ctrl+A, ⌘+A), 522
 - Select Asset dialog box, 230
 - Select Behind tool (Fireworks), 154
 - Select tool
 - optimizing images, 17
 - round-trip editing, 402
 - zooming out, 22
 - Select tool keyboard shortcut (V, Ctrl, ⌘), 527
 - Selected Disabled state (buttons), 198, 203
 - Selected Down state (buttons), 198, 203
 - Selected Over state (buttons), 198, 203
 - Selected Up state (buttons), 198, 203
 - selecting images (Photoshop)
 - combining selection tools, 127–128
 - Lasso tool, 124–126
 - Magic Wand tool, 127, 128
 - rectangular and elliptical selection, 123–124
 - removing selections, 128
 - saving selections, 129
 - Smart Selection tool, 126–128
 - Selection tool
 - keyboard shortcut, 65
 - moving components, 215
 - positioning artwork, 324, 325, 337
 - positioning text, 435
 - rotating objects, 109
 - selecting artwork in sublayers, 192
 - shortcut, 50
 - wireframing, 63–64
 - selection tools, 91–92, 127–128

Index

- Selector mode (Fireworks), 161, 162
- Server Configuration screen (ColdFusion), 495
- Server Settings dialog box, 286
- Server settings dialog box (Dreamweaver), 303
- server-side resources, 283–285, 503
- server-side technology, 206, 262, 455, 489
- Service Operation (Flash Builder), 509
- Service Operations screen (Flash Builder), 287
- Set Component State action, 228
- Set Default Stroke/Fill Colors (Fireworks), 157
- Set Property action, 229, 230
- shadows, 136–137
- shape layers, 140
- shape tools
 - Illustrator, 9, 10, 99–100
 - Photoshop, 143
- Shapes panel (Fireworks), 159
- Share to State ⇨ All States command (Ctrl+Shift+A, ⌘+Shift+A), 525
- shared libraries, 301–302
- sharing, 217
- Sharpen filter (Fireworks), 169
- Sharpen More filter (Fireworks), 169
- Sharpen tool (Fireworks), 155
- Shear tool, 110
- Shift key
 - Color Picker interface, 101
 - dragging, 22
 - selecting multiple assets, 399, 408, 413, 456
- shortcuts (keyboard)
 - basic commands, 521–526
 - Design and Code workspaces, 40
 - disabling HUD, 43
 - Fireworks panels, 158–160
 - Flash Catalyst design, 14
 - overview, 65
 - Photoshop Zoom tool, 123
 - running projects, 83, 85, 270
 - temporary tool selections, 527
 - tool selections, 50, 526–527
- Show/Hide Layer button, 214
- Show Rulers (Ctrl+R, ⌘+R), 523
- Show Slices and Hotspots tool (Fireworks), 157
- sidebar, 352–359
- single-line text field, 199
- size, file, 181
- sizing
 - document, 89–90
 - Photoshop images, 130–132
 - resizing
 - adding animation, 231
 - artwork, 384–385
 - data list, 464
 - panels, 44–45
 - Photoshop images, 130–131
 - Scale tool, 110
 - Web sites, 530
 - wireframing, 63
- Skew tool (Fireworks), 154
- skins
 - Flash Builder, 294, 295, 533
 - videos, 246–247
- Slice tool (Fireworks), 157
- sliders
 - adding, 82
 - brightness/contrast, 136
 - color balance, 135
 - converting artwork, 193, 201–202
 - Fireworks, 161
 - gradient, 108
 - Timeline panel, 227
- Smart Guides (Illustrator), 99–100, 102, 363
- Smart Polygon tool (Fireworks), 156
- Smart Selection tool (Photoshop), 126–128
- Smooth Transition command (Ctrl+Alt+T, ⌘+Option+T), 525
- Smooth Transition menu, 222–223
- Smudge tool (Fireworks), 155
- Snap interval property (slider), 202
- Software Development Kit (SDK), 33
- Solid Shadow filter (Fireworks), 169
- sound
 - adding, 230–231
 - designer best practices, 530
 - importing, 249
 - muting, 248
 - playing, 249
- Sound Effect action, 230–231
- Source button, 279
- source code, 309, 475
- source folder, 263
- Source mode (Flash Builder), 24, 25

- source view (Flash Builder), 292, 474
- spacing
 - adjusting, 235
 - horizontal, 463
- Spark, 265
- Spark namespace, 266
- Special Characters panel (Fireworks), 159
- Spiral tool (Fireworks), 156
- Spot Healing Brush (Photoshop), 137, 138, 140
- SQLite database engine, 306
- squares, 66
- src folder, 264, 279, 483
- stacking order (layers), 77, 112, 132, 144, 146
- Standard Screen mode (Fireworks), 157
- standards-based browser, 31
- Star tool (Illustrator), 100
- Start screen
 - Fireworks, 152
 - Flash Catalyst
 - importing Illustrator files, 177, 178, 371, 372
 - overview, 14, 15, 37, 38
 - wireframing, 61, 62
 - Illustrator, 5, 87, 88, 318
- State Transitions, 220, 221
- states
 - disabled, 196, 198, 203, 209, 223, 441
 - down, 196, 198, 203, 223, 441
 - inactive, 209
 - over, 196, 198, 203, 223, 441, 442
 - Selected Disabled, 198, 203
 - Selected Down, 198, 203
 - Selected Over, 198, 203
 - Selected Up, 198, 203
 - up, 196, 198, 203, 223, 441
 - view. *See* view states
- States menu
 - commands, 525
 - sharing assets, 217
- States panel (Fireworks), 159
- States view (Flash Builder), 283
- static design, 530
- static graphics, 191
- static resources, 503
- Step size property (slider), 202
- stock photography sites, 120
- straight lines, 93
- straight segments
 - anchor points, 104
 - combining with curve segments, 95–97
- strikethrough, 200
- Strikethrough (text), 73
- Stroke Color box (Illustrator), 330
- Stroke Color tool (Fireworks), 157
- strokes
 - color, 101, 104, 106, 107, 162, 198, 345
 - ellipses and circles, 71
 - lines, 72
 - settings, 67–70
 - size, 9
 - text, 114
- Styles panel (Fireworks), 159
- Subcomponent Installation screen (ColdFusion), 496
- sublayers
 - creating new, 341–343, 379–380
 - Illustrator, 110–113
 - organizing, 115
 - overview, 75, 76
 - Photoshop, 132
 - selecting artwork, 192
- Subselection tool (Fireworks), 154
- Subtract blend mode, 81
- Sun Microsystems, 306
- Swap Stroke/Fill Colors tool (Fireworks), 157
- swatches
 - background color, 63
 - overview, 106–107
 - stroke settings, 67, 101
- Swatches panel
 - Fireworks, 159, 160, 162, 164
 - Illustrator, 106–109, 330, 332
- SWC files, 265
- SWF Asset on Click, 220, 221
- SWF Control Actions menu, 242
- SWF files
 - adding to project, 239–242
 - AIR, 306
 - exporting projects, 299–302
 - Flex application, 211
 - Flex framework, 211
 - folders, 264
 - running projects, 279
 - swfobject.js file, 301, 303

Index

Switch to Code or Design Workspace command
(Ctrl+, ⌘+), 526

Symbol Properties panel (Fireworks), 160, 171, 172

symbols, 169–171

syntax error, 271

T

Tab index property (slider), 202

Tab to focus property (slider), 202

tags

Flex 4, 265, 266

MXML, 254

target for actions (interactions), 218, 219

Terminate button, 273

text

creating outlines, 117

Fireworks, 165–166

Illustrator, 113–114, 339, 345, 354, 359

Photoshop, 145–149

placeholder, 325

underlining, 73, 200

vector graphics, 55

wireframing, 73–74

text box, 226

text field, 199–200

text input field

adding, 82

attaching sliders, 202

converting artwork, 193, 199, 421–425

Text tool

Flash Catalyst, 73, 74

Illustrator, 113–114

keyboard shortcut (T), 527

3D Extrude and Bevel effect, 115

3D text, 147–149

thumb

scroll bar, 207, 426, 429

slider, 201

TIFF files, 120, 368

Timeline panel

action timings, 232

animation, 226–227

collapsing, 17

component animation, 22

controlling SWFs, 242

expanding, 447

interface, 16

transitions, 220–223

Timelines Menu commands, 525

Timelines panel

collapsing, 45

Design workspace, 42

resizing, 44

timing

actions, 232

transitions, 222, 447–453

toggle button

adding, 82

converting artwork, 193, 198–199

Design and Code workspaces, 40

Tool Options panel (Photoshop), 127

toolbox, 16, 51

tools

Adobe CS5, 50–51

Area Text tool, 114

Arrow Line tool, 156

Arrow tool, 156

Beveled Rectangle tool, 156

Blur tool, 155

brush, 117

Brush tool, 155, 330, 340

Burn tool, 155

Chamfer Rectangle tool, 156

Connector Line tool, 156

Convert Anchor Point tool, 97

Crop tool, 155

Custom Shape tool, 143

Direct Select tool, 95, 96, 103–104

adjusting curves, 98

modifying artwork, 103–104

modifying paths, 95

moving components, 215

overview, 91, 92

resizing artwork, 384

rotating objects, 109

selecting artwork in sublayers, 192

wireframing, 63–64

Distort tool, 155

Dodge tool, 155

Doughnut tool, 156

- drawing
 - changing direction of curves, 97–99
 - combining straight and curve segments, 95–97
 - modifying paths, 95
 - painting tools, 101–102
 - shape tools, 99–100
 - Smart Guides, 99–100, 102
- Ellipse tool, 70, 100, 156, 362
- Eraser tool, 102–103, 155
- Export Area tool, 155
- Eyedropper tool, 157
- Fill Color tool, 157
- Flare tool, 100
- Free Transform tool, 110
- Freeform tool, 156
- Full Screen mode tool, 157
- Full Screen with Menus mode tool, 157
- Gradient tool, 109, 157
- Hand tool, 22, 64–66, 157
- Healing Brush tool, 137, 138
- Hide Slices and Hotspots tool, 157
- Lasso tool
 - Fireworks, 155
 - Illustrator, 92
 - Photoshop, 124–126
- Line tool, 71–72, 155
- Magic Wand tool, 92, 127, 155
- Magnetic Lasso tool, 125–126
- Marquee tool, 155
- Measure tool, 156
- Move tool, 50
- nesting, 153, 154
- 9-Slice Scaling tool, 155
- No Stroke or Fill tool, 157
- Oval Marquee tool, 155
- Paint Brush tool, 8, 9
- Paint Bucket tool, 157
- Paintbrush tool, 101
- painting, 101
- Patch tool, 139, 140
- Path Scrubber tool, 156
- Pen tool, 7–8, 92–95, 97, 140, 155
- Pencil tool, 155
- Pointer tool, 154, 399
- Polygon Lasso tool, 125, 155
- Polygon Slice tool, 157
- Polygon tool, 100, 156
- Rectangle Hotspot tool, 156
- Rectangle Marquee tool, 123–124
- rectangle tool, 65–67, 99, 143, 155, 328, 345, 355–356
- Redraw Path tool, 155
- Reflect tool, 109
- Replace Color tool, 155
- Reshape Area tool, 156
- Rounded Rectangle tool, 66, 75, 99, 143, 156, 327–328
- Rubber Stamp tool, 155
- Scale tool, 110, 154
- Select Behind tool, 154
- Select tool, 17, 22, 402
- Selection tool
 - keyboard shortcut, 65
 - moving components, 215
 - positioning artwork, 324, 325, 337
 - positioning text, 435
 - rotating objects, 109
 - selecting artwork in sublayers, 192
 - shortcut, 50
 - wireframing, 63–64
- Sharpen tool, 155
- Shear tool, 110
- Show Slices and Hotspots tool, 157
- Skew tool, 154
- Slice tool, 157
- Smart Polygon tool, 156
- Smart Selection tool, 126–128
- Smudge tool, 155
- Spiral tool, 156
- Star tool, 100, 156
- Stroke Color tool, 157
- Subselection tool, 154
- Swap Stroke/Fill Colors tool, 157
- Text tool, 73, 74, 113–114, 156, 165, 166
- Type on a Path tool, 114
- Vector Path tool, 155
- Zoom tool, 50, 64–66, 121–123, 157, 322, 360, 361, 366
- Tools Option bar (Photoshop), 140, 143
- Tools panel
 - default settings, 153
 - Flash Catalyst
 - Design workspace, 40
 - shape types, 72

Index

Tools panel (*continued*)

Illustrator

- artboard, 6
- color settings, 104
- overview, 90–91

tooltip

- Flash Catalyst, 200
- Illustrator, 101, 102

Tooltip property (slider), 202

top navigation, 327

Tour de Flex, 306

track

- scroll bar, 207, 426, 429
- slider, 201

Transform tool keyboard shortcut (Q), 527

Transform tools. *See also specific tools*

- overview, 109–110
- wireframing, 74–75

transforming objects, 109–110

Transition to State command, 20, 21

transitions

- animating state changes, 447–454
- creating interactions, 445
- interactivity, 530
- view states, 220–223

transparency, 130, 229, 230

Tweetdeck application, 306

Twitter, 306

Type on a Path tool, 114

U

underlining text, 73, 200

Undo command (Ctrl+Z, ⌘+Z), 522

Ungroup command (Ctrl+Shift+G, ⌘+Shift+G), 525

universal runtime, 305, 306

Unsharp Mask filter (Fireworks), 169

Up state (buttons), 196, 198, 203, 223, 441

URL panel (Fireworks), 160

URLs, 219

usability, 7

USB drive, 306

user interface, 253

username, 508

V

validation, 446

vector-based design, 4, 90

vector graphics

- Illustrator, 92
- importing, 375
- optimizing, 364, 385
- raster vs., 54–55
- rendering in MXML, 266
- shapes and paths, 7, 140–143

Vector Path tool (Fireworks), 155

VeriSign, 310

vertical scrollbar

- adding, 82
- converting artwork, 193

vertical slider

- adding, 82
- converting artwork, 193

video

- actions for adding, 228
- designer best practices, 530
- Flash Professional, 33
- importing, 243–245
- triggering, 219

video player, 245–248

View menu commands, 523

View Source action, 309

view states (Flash Catalyst)

- animating change transitions, 447–454
- buttons, 223–224

components

- applying changes, 215, 216
- built-in view states, 441–443
- creating new states within, 437–441
- hiding, 214–215
- moving, 215, 216
- removing, 214, 215
- sharing, 217

creating new, 211–213, 431–434, 437–441

interactions, 217–220

modifying contents, 434–437

overview, 18–20

renaming, 212–213, 432, 433

setting up transitions, 220–223

triggering changes with buttons, 443–446

- viewing images (Photoshop), 121–123
 - views (Flash Builder)
 - Components view, 283
 - Data/Services view, 284, 288, 290, 504, 510, 514
 - default, 283
 - Dynamic Help view, 280–281
 - Help view, 280
 - Outline view, 258, 283
 - Package Explorer view, 24, 258, 277, 283, 307, 311, 473, 475, 510
 - panels vs., 282
 - Properties view, 283
 - source view, 292, 474
 - States views, 283
 - volume, 248
- W**
- warning message, 458
 - Web. *See* World Wide Web
 - Web applications
 - defined, 233
 - Flex projects, 261
 - forms, 199
 - multi-page construction, 114
 - Web browser
 - AIR, 306
 - cross-browser compatibility, 29–31
 - Flash Builder internal, 281
 - interactivity, 2
 - launching, 500
 - project sizing, 63
 - running projects, 85, 270, 279, 478
 - testing interactions, 220
 - testing transitions, 223
 - Web Document, 5
 - Web graphics, 151
 - Web host, 302–303
 - Web safe palette, 163
 - Web server, 302
 - Web site
 - designer best practices, 529–530
 - view states, 18
 - Web applications vs., 233
 - Web standards, 31
 - Webkit engine, 306
 - Webservice, 284
 - welcome message, 327
 - what-you-see-is-what-you-get (WYSIWYG) environment, 259
 - white balance, 134–135
 - width
 - document size, 89
 - project, 6
 - rectangles, 67
 - stroke size, 101
 - Window menu
 - commands, 526
 - Illustrator, 53
 - Windows, 303, 312, 318
 - Windows Explorer, 470
 - Windows Start menu, 312
 - Wireframe Components panel
 - adding components, 81
 - Design workspace, 41
 - wireframing
 - adding components, 81–83
 - adding text, 73–74
 - blend modes, 79–81
 - creating new project, 61–63
 - defined, 61
 - Direct Select tool, 63–64
 - drawing circles, 70–71
 - drawing ellipses, 70–71
 - drawing lines, 71–72
 - drawing rectangles, 66–67
 - drawing squares, 66
 - Hand tool, 64–66
 - layers, 75–78
 - overview, 38
 - running projects, 83–85
 - saving projects, 85
 - Selection tool, 63–64
 - stroke and fill settings, 67–70
 - Transform tool, 74–75
 - Zoom tool, 64–66
 - wizards
 - ColdFusion installation, 498–499
 - Export Release Build Wizard, 308–310
 - exporting projects, 284–285, 288–290
 - Flash Builder, 504–506
 - Generate Form, 516
 - New Project, 262

Index

Word, 1
workbench (FlashBuilder), 258
workflow
 design implementation, 35
 designer/developer, 295, 298
 Fireworks, 151
 Flash Builder vs. Flash Catalyst, 294
 merging changes from Flash Catalyst, 479
 overview, 3–5
 Rich Internet Applications, 47
workspace
 Fireworks, 157
 Flash Catalyst
 Code, 39, 42–43
 customization, 44–45
 Design, 39–42
 main, 38–39
 perspective vs., 282
World Wide Web
 deploying projects, 302–304
 development, 1, 2
 history, 29–30
 sizing projects, 63
WYSIWYG (what-you-see-is-what-you-get) environment, 259

X

XHTML, 32
XML (Extensible Markup Language), 31, 32
XML tags, 266
xmlns attribute, 266, 268

Z

Zoom blur filter (Fireworks), 169
Zoom in command (Ctrl++, ⌘++), 123, 523
Zoom In tool keyboard shortcut (Ctrl+Spacebar, ⌘+Spacebar), 527
Zoom out command (Ctrl+-, ⌘+-), 123, 523
Zoom Out keyboard short (Ctrl+Alt+Spacebar, ⌘+Option+Spacebar), 527
Zoom to 100 percent magnification shortcut, 123
Zoom tool
 Adobe CS5, 50
 Flash Catalyst, 64–66
 Illustrator, 322, 360, 361, 366
 Photoshop, 121–123
Zoom tool keyboard shortcut (Z), 527
zooming out, 22