

# Contents

<b>Acknowledgments</b>	<b>v</b>
<b>About the Authors</b>	<b>vii</b>
<b>Introduction</b>	<b>xix</b>
<b>Part 1: Photoshop Basics</b>	<b>1</b>
Task 1: Setting File Handling Preferences	2
Task 2: Recording Steps in the History Log	4
Task 3: Setting Display and Cursor Preferences	6
Task 4: Setting Transparency and Gamut Preferences	8
Task 5: Setting Units and Rulers Preferences	10
Task 6: Setting Guides, Grid, and Slices Preferences	12
Task 7: Setting Plug-ins and Scratch Disk Preferences	14
Task 8: Setting Memory and Image Cache Preferences	16
Task 9: Navigating the HTML-Based Help System	18
Task 10: Determining Necessary Options to Create a New Image File	20
Task 11: Viewing Images with the File Browser	22
Task 12: Organizing Thumbnails in the File Browser	24
Task 13: Managing Folders and File Names from within the File Browser	26
Task 14: Importing Digital Camera Images	28
Task 15: Importing a PDF Image	30
Task 16: Adding Notes to Image Files	32
Task 17: Adding Audio Annotations to Image Files	34
Task 18: Using the Save, Save As, and Save for Web Options	36
Task 19: Utilizing the PSD Format to Keep Layers and Effects Intact	38
<b>Part 2: The Work Area</b>	<b>41</b>
Task 20: Using the Toolbox, Options Bar, View Modes, and Jump Commands	42
Task 21: Using and Editing Shortcut Keys	44
Task 22: Using the Navigator, Info, and Histogram Palettes	46
Task 23: Using the Floating Palettes, Palette Options, and the Palette Well	48

Task 24: Zooming in on Your Work with the Zoom and Hand Tools	50
Task 25: Measuring Distance and Angles in Images with the Measure Tool	52
Task 26: Using Rulers and Setting Ruler Options	54
Task 27: Viewing and Using Grids for Precision Work	56
Task 28: Placing, Moving, and Locking Guides for More Precise Control	58
Task 29: Using the Snap To Command with Grids and Guides	60
Task 30: Undoing, Redoing, Stepping Forward and Backward	62
Task 31: Using the History Palette to Revert to Previous States	64
Task 32: Creating a Duplicate Window or New Document from Current State	66
Task 33: Creating Tool Presets to Streamline your Workflow	68
Task 34: Using the Preset Manager to Access and Organize All Preset Types	70
Task 35: Customizing and Saving Your Workspace	72
<b>Part 3: Color Essentials</b>	<b>75</b>
Task 36: Establishing and Customizing Initial Color Settings	76
Task 37: Calibrating a Macintosh Monitor	78
Task 38: Calibrating a Windows Monitor	80
Task 39: Setting Foreground and Background Colors Using the Color Picker	82
Task 40: Using the Color Palette to Choose Colors	84
Task 41: Adding, Renaming, and Deleting Colors from the Swatch Palette	86
Task 42: Creating, Saving, and Loading Swatch Libraries	88
Task 43: Using the Eyedropper Tool to Sample Single Colors or Areas of Color	90
Task 44: Using the Color Sampler Tool to Place Color Sample Readout Markers	92
Task 45: Converting an Image into a Different Color Mode	94
Task 46: Proofing Colors for Specific Outputs	96
Task 47: Changing or Converting a Color Profile	98
<b>Part 4: Color Adjustments</b>	<b>101</b>
Task 48: Determining Detail and Tonal Range of an Image with the Histogram	102
Task 49: Using the Auto Adjustments for Quick and Simple Corrections	104
Task 50: Specifying Auto Correction Options	106
Task 51: Adjusting the Tonal Range of an Image Using Levels	108
Task 52: Setting White and Black Points Using Levels	110
Task 53: Adjusting Color in an Image More Precisely with Curves	112
Task 54: Using the Color Balance Command to Modify the Mixture of Colors	114
Task 55: Using the Brightness/Contrast Command to Regulate Those Values within an Image	116
Task 56: Using the Hue/Saturation Command to Alter the HSL Values in an Image	118

Task 57: Editing the Range of the Hue/Saturation Sliders	120
Task 58: Matching Colors between Images with the Match Color Command	122
Task 59: Using the Replace Color Command to Change a Selected Color or Colors	124
Task 60: Using Selective Color to Increase or Decrease Specific Color Components	126
Task 61: Applying Gradient Mapping to Add a Stunning Color Effect to an Image	128
Task 62: Using the Photo Filter Command	130
Task 63: Using the Shadow/Highlight Command	132
Task 64: Using the Invert Color Command to Inverse Color Values in an Image	134
Task 65: Equalizing Levels of Brightness and Dark with the Equalize Command	136
Task 66: Adjusting the Threshold to Get a High-Contrast, Black-and-White Image	138
Task 67: Posterizing an Image to a Specified Number of Tonal Levels	140
Task 68: Using the Variations Command to Adjust Values with the Help of Thumbnail Views	142

## **Part 5: Selections** **145**

Task 69: Forming Basic Selections Using the Rectangular Marquee Tool	146
Task 70: Using the Lasso and Polygonal Lasso Tools to Make a Freeform Selection	148
Task 71: Outlining a High-Contrast Object with the Magnetic Lasso Tool	150
Task 72: Select by Color with the Magic Wand Tool	152
Task 73: Making a Selection by Color Range	154
Task 74: Moving the Selection Marquee or Selection Contents	156
Task 75: Adding to or Subtracting from Selection Areas	158
Task 76: Intersecting Selections to Create Unique Selection Shapes	160
Task 77: Stroking a Selection to Make an Instant Frame for an Image	162
Task 78: Using Inverse to Select a Complex Object with a Plain Background	164
Task 79: Creating a Soft-edged Vignette Effect with Feathering	166
Task 80: Creating a Border Selection	168
Task 81: Modifying a Selection by Smoothing, Expanding, or Contracting	170
Task 82: Resizing or Reshaping a Selection with the Transform Selection Command	172
Task 83: Cropping an Image to a Selected Area	174
Task 84: Deselecting, Reselecting, and Deleting Selections	176
Task 85: Copying and Pasting a Selected Area into Another Image	178
Task 86: Saving and Loading Selections for Later Use	180

## **Part 6: Path Essentials** **183**

Task 87: Creating a Simple Work Path Using the Pen Tool	184
Task 88: Drawing Curves with the Pen Tool	186
Task 89: Creating a Freeform Path	188

Task 90: Using the Magnetic Pen Tool to Trace a Path around an Object	190
Task 91: Selecting Path Components with the Path and Direct Selection Tools	192
Task 92: Adding and Deleting Anchor Points to Reshape a Path	194
Task 93: Using the Convert Point Tool to Change to Smooth or Corner Points	196
Task 94: Aligning and Distributing Path Components	198
Task 95: Filling and Stroking Paths	200
Task 96: Converting a Path to a Selection and Vice Versa	202
Task 97: Duplicating, Saving, and Deleting Paths	204
Task 98: Exporting a Path to Adobe Illustrator	206
<b>Part 7: Transformations</b>	<b>209</b>
Task 99: Resizing and Resampling an Image Using the Image Size Command	210
Task 100: Increasing or Decreasing an Image's Canvas Area	212
Task 101: Flipping an Image Vertically or Horizontally	214
Task 102: Rotating an Image	216
Task 103: Eliminating an Unnecessary Image Area by Cropping	218
Task 104: Using the Trim Command to Crop Away Specified Outer Image Areas	220
Task 105: Scaling an Image or Image Area	222
Task 106: Skewing and Distorting an Image or Image Area One Corner at a Time	224
Task 107: Applying One-Point Perspective to an Image	226
Task 108: Working with Video Format Pixel Aspect Ratios	228
<b>Part 8: Painting Essentials</b>	<b>231</b>
Task 109: Using the Brush Preset Picker to Choose and Load Brush Tips	232
Task 110: Painting and Drawing with the Brush and Pencil Tools	234
Task 111: Using the Color Replacement Tool	236
Task 112: Using a Brush Blend Mode to Repair Red-Eye	238
Task 113: Erasing a Portion of an Image or Layer with the Eraser Tool	240
Task 114: Controlling Boundaries While Erasing with the Background Eraser Tool	242
Task 115: Using the Magic Eraser Tool to Erase an Area Based on a Range of Colors	244
Task 116: Filling Areas with Solid Colors or Patterns Using the Paint Bucket Tool	246
Task 117: Adding Softness to a Chosen Image Area with the Blur Tool	248
Task 118: Increasing the Clarity of an Area with the Sharpen Tool	250
Task 119: Simulating a Fingerpainted Look Using the Smudge Tool	252
Task 120: Highlighting an Image Area with the Dodge Tool	254
Task 121: Applying the Burn Tool to Create Shading Effects in an Image	256
Task 122: Changing Color Saturation with the Sponge Tool Options	258

Task 123: Performing Digital Plastic Surgery with the Healing Brush	260
Task 124: Using the Healing Brush Pattern Option	262
Task 125: Repairing a Selected Area with the Patch Tool	264
Task 126: Transferring Part of an Image to Another Image with the Clone Stamp Tool	266
Task 127: Painting with a Pattern by Means of the Pattern Stamp Tool	268
<b>Part 9: Advanced Painting Techniques</b>	<b>271</b>
Task 128: Using the History Brush to Paint with a History State	272
Task 129: Painting from or Recovering Your Previous Work Using Snapshots	274
Task 130: Adding Artistic Style to an Image with the Art History Brush	276
Task 131: Erasing to a History State	278
Task 132: Filling a Selection or Layer with a History State	280
Task 133: Using the Gradient Tool to Apply a Color Gradient	282
Task 134: Creating a Custom Gradient	284
Task 135: Saving and Loading Gradient Libraries	286
Task 136: Creating and Defining a Pattern	288
Task 137: Setting Brush Dynamics	290
Task 138: Creating Custom Brushes	292
Task 139: Editing a Preset Brush	294
Task 140: Creating and Saving a Brush Set	296
<b>Part 10: Channels and Masks</b>	<b>299</b>
Task 141: Working with Color Channels	300
Task 142: Splitting Channels into Separate Images	302
Task 143: Creating and Editing an Alpha Channel	304
Task 144: Converting a Selection to a Channel	306
Task 145: Using the Quick Mask Mode to Isolate an Image Area	308
Task 146: Changing the Quick Mask Options	310
Task 147: Storing Masks in Channels for Later Use	312
Task 148: Using the Channel Options in the Save Selection Dialog Box	314
Task 149: Using the Channel Mixer to Create Interesting Color Effects	316
<b>Part 11: Layer Essentials</b>	<b>319</b>
Task 150: Creating a Basic Layered Image	320
Task 151: Organizing Your Layers by Naming and Color Coding	322
Task 152: Selecting, Moving, and Duplicating Layers	324
Task 153: Adjusting Master and Fill Opacities in a Layer	326

Task 154: Locking Layers or Layer Attributes	328
Task 155: Linking Layers or Layer Sets	330
Task 156: Using Layer Sets to Organize Layers	332
Task 157: Aligning and Distributing Linked Layers	334
Task 158: Changing the Stacking Order of Layers and Layer Sets	336
Task 159: Blending Layers Using Layer Blend Modes	338
Task 160: Restricting Blending to Specific Channels	340
Task 161: Adding and Editing a Hide All or Reveal All Layer Mask	342
Task 162: Creating a Gradient Layer Mask	344
Task 163: Using a Solid Color or Gradient Fill Layer	346
Task 164: Using a Pattern Fill Layer to Enhance Another Patterned Layer	348
Task 165: Using an Adjustment Layer to Fine-Tune Color Adjustments	350
Task 166: Making Use of an Adjustment Layer's Mask	352
Task 167: Moving Layers to Other Images	354
Task 168: Cleaning Up Edges with Defringe and Remove Matte Commands	356
Task 169: Using Layers to Create a Collage	358
Task 170: Creating a Knockout Effect with Knockout Options	360
Task 171: Merging Layers in Different Ways	362
Task 172: Rasterizing and Flattening Layers	364
Task 173: Utilizing the Layer Comps Feature	366
Task 174: Exporting Layers as Files	368
<b>Part 12: Layer Styles and Shape Layers</b>	<b>371</b>
Task 175: Using the Preset Styles in the Styles Palette	372
Task 176: Creating a New Drop Shadow Style	374
Task 177: Creating a New Inner Shadow Style	376
Task 178: Creating a New Outer Glow Style	378
Task 179: Creating a New Inner Glow Style	380
Task 180: Creating a New Bevel and Emboss Style	382
Task 181: Creating a New Satin Effect Style	384
Task 182: Creating a New Color Overlay Style	386
Task 183: Creating a New Gradient Overlay Style	388
Task 184: Creating a New Pattern Overlay Style	390
Task 185: Creating a New Stroke Style	392
Task 186: Converting Layer Styles to Image Layers	394
Task 187: Using a Shape Tool to Create a Shape Layer	396
Task 188: Use the Shape Tool Options to Modify the Shape	398

Task 189: Creating a Raster Shape or Path with the Shape Tools	400
Task 190: Fashioning a Unique Image Using only Preset Shapes	402
Task 191: Creating, Saving, and Loading Custom Shapes	404
Task 192: Using the Line Shape Tool and Creating Arrowhead Lines	406
Task 193: Creating a Vector Layer Mask with a Shape Tool	408
Task 194: Creating a Layer Clipping Group	410
<b>Part 13: Type</b>	<b>413</b>
Task 195: Inserting Point Type into an Image	414
Task 196: Specifying and Adjusting Type Parameters	416
Task 197: Moving, Aligning, and Justifying Type	418
Task 198: Resizing and Transforming Type	420
Task 199: Checking and Correcting Spelling; Finding and Replacing Text	422
Task 200: Managing and Transforming Paragraph Type	424
Task 201: Dressing up an Image with Warped Type	426
Task 202: Placing Text on a Path	428
Task 203: Customizing a Text Logo with Shape Type	430
Task 204: Combining Text with Imagery Using a Selection Mask Type	432
Task 205: Using Work Path Type as a Clipping Path	434
Task 206: Creating an Eye-Catching Text Effect by Manipulating Layer Styles	436
Task 207: Using Layers to Form Text Reflections	438
<b>Part 14: Filters</b>	<b>441</b>
Task 208: Extracting an Object from the Surrounding Background	442
Task 209: Using the Liquify Command to Contort an Image	444
Task 210: Using the Freeze and Thaw Functions in Liquify	446
Task 211: Creating and Saving a Liquify Mesh	448
Task 212: Creating Patterns Using the Pattern Maker	450
Task 213: Using the Filter Gallery to Combine Filter Effects	452
Task 214: Replicate a Painterly Effect with an Artistic Filter	454
Task 215: Use a Blur Filter with a Blend Mode to Get a Sketch Effect	456
Task 216: Creating a Unique Blur Effect Using Zoom in the Radial Blur Filter	458
Task 217: Adding Stylish Texture to an Image with a Brush Strokes Filter	460
Task 218: Creating a Unique Photo Effect with the Glass Filter	462
Task 219: Using a Distortion Filter to Create an Edge Mask	464
Task 220: Creating a Displacement Map to Distort an Image	466
Task 221: Using a Noise Filter to Create a Pattern	468

Task 222: Generating and Manipulating Digital Clouds	470
Task 223: Illuminating Image Areas with Lighting Effects	472
Task 224: Applying a Specialized Lighting Effect Using a Texture Channel	474
Task 225: Adding an Unusual Color Effect Using the Plaster Filter	476
Task 226: Using the Fade Command on Filter Effects	478
Task 227: Setting Up an Additional Plug-ins Directory	480
<b>Part 15: Automations</b>	<b>483</b>
Task 228: Loading and Playing Preset Actions	484
Task 229: Creating an Action from Scratch for a Common Task	486
Task 230: Editing and Customizing Existing Actions	488
Task 231: Creating Droplets from Actions	490
Task 232: Using the Batch Command to Batch Process Files	492
Task 233: Creating and Organizing a Picture Package	494
Task 234: Creating a Contact Sheet for Cataloging Images	496
Task 235: Creating a Basic Web Photo Gallery	498
Task 236: Customizing Web Photo Gallery Styles	500
Task 237: Cropping and Straightening Photos Automatically	502
Task 238: Creating Seamless Panoramas with Photomerge	504
Task 239: Using Scripts	506
<b>Part 16: Print Essentials</b>	<b>509</b>
Task 240: Setting Printer and Page Setup Options	510
Task 241: Using the Print with Preview Command	512
Task 242: Printing Using Color Management	514
Task 243: Using the Proof Setups	516
Task 244: Identifying and Correcting Out-of-Gamut Colors	518
Task 245: Creating a Duotone Image	520
Task 246: Converting an Image to Halftone	522
Task 247: Adding a Spot Color Using a Spot Channel	524
<b>Part 17: For the Web: ImageReady</b>	<b>527</b>
Task 248: Optimizing GIFs for Web Use	528
Task 249: Optimizing JPEGs for Web Use	530
Task 250: Optimize PNGs for Web Use	532
Task 251: Exporting to SWF	534
Task 252: Using and Customizing the Preview in Browser Command	536
Task 253: Creating a Seamless Tiling Background	538



Task 254: Using Layer Styles to Design Matching Web Elements	540
Task 255: Working with the Object-Based User Interface	542
Task 256: Using the Web Page Template Action to Create a Basic Site Look	544
Task 257: Using ImageReady Tables	546
Task 258: Slicing an Image into Separate Parts with the Slice Tool	548
Task 259: Identifying Slice Characteristics, Moving, Resizing, and Locking Slices	550
Task 260: Selecting, Saving, Loading, and Deleting Slices	552
Task 261: Dividing, Combining, and Duplicating Slices	554
Task 262: Specifying Slice Background Color	556
Task 263: Assigning URLs to Slices	558
Task 264: Linking and Unlinking Slices	560
Task 265: Applying Different Optimizations to User Slices	562
Task 266: Creating a Layer-based Image Map	564
Task 267: Creating a Tool-Based Image Map	566
Task 268: Modifying Image Map Settings	568
Task 269: Creating a Rollover Effect	570
Task 270: Creating a Secondary Rollover Effect	572
Task 271: Constructing a Simple Animation	574
Task 272: Optimizing and Saving Animation Files	576
Task 273: Editing an Animation Action to Customize It	578
Task 274: Using an Animation in a Rollover	580
Task 275: Creating an Animation Using the Tweening Function	582
Index	585