



JAVATM FOUNDATION CLASSES

IN A NUTSHELL

A Desktop Quick Reference

David Flanagan

O'REILLY®

Beijing • Cambridge • Farnham • Köln • Paris • Sebastopol • Taipei • Tokyo

Table of Contents

<i>Preface</i>	<i>ix</i>
<hr/>	
<i>Part I: Introducing the Java Foundation Classes</i>	
<hr/>	
<i>Chapter 1—The Java Foundation Classes</i>	3
<hr/>	
<i>Chapter 2—Swing and AWT Architecture</i>	5
A Simple Graphical User Interface	6
Components	7
Properties	11
Containers and Containment	12
Layout Management	15
Event Handling	17
Swing Component Architecture	23
<hr/>	
<i>Chapter 3—Swing Programming Topics</i>	25
Versions of Swing	25
Labels and HTML	26
Actions	26
Tooltips	27
Timers	27
The Event Dispatch Thread	28
Client Properties	28
Keyboard Shortcuts	29
Serialization	33

Borders	34
Icons	34
Cursors	35
Double-Buffering	37
The Box Container	37
Simple Dialogs	40
JFileChooser	42
JColorChooser	44
Menus	45
JTree and TreeModel	47
JTable andTableModel	50
JTextComponent and HTML Text Display	52
Pluggable Look-and-Feel	55
Accessibility	58
Custom Components	59
<i>Chapter 4—Graphics with AWT and Java 2D</i>	64
Graphics Before Java 2D	64
Java 2D Graphics Attributes and Operations	68
The Coordinate System	71
Shapes	73
Stroking Lines	76
Paint	79
Blending Colors with AlphaComposite	80
Rendering Hints	86
Fonts and Text	86
Buffered Images	92
Transformations with AffineTransform	97
Color Spaces	100
<i>Chapter 5—Printing</i>	102
Printing in Java 1.1	102
Printing in Java 1.2	103
<i>Chapter 6—Data Transfer</i>	111
The Data Transfer Framework	111
Cut-and-Paste	114
Drag-and-Drop	115
A Data Source	117
A Data Sink	119

<i>Chapter 7—Applets</i>	123
Writing Applets	123
Including Applets in HTML Files	129
Applet Security	133

Part II: API Quick Reference

<i>How To Use This Quick Reference</i>	139
<i>Chapter 8—The java.applet Package</i>	150
<i>Chapter 9—The java.awt Package</i>	154
<i>Chapter 10—The java.awt.color Package</i>	232
<i>Chapter 11—The java.awt.datatransfer Package</i>	239
<i>Chapter 12—The java.awt.dnd Package</i>	246
<i>Chapter 13—The java.awt.dnd.peer Package</i>	262
<i>Chapter 14—The java.awt.event Package</i>	264
<i>Chapter 15—The java.awt.font Package</i>	288
<i>Chapter 16—The java.awt.geom Package</i>	302
<i>Chapter 17—The java.awt.im Package</i>	329
<i>Chapter 18—The java.awt.image Package</i>	332
<i>Chapter 19—The java.awt.image.renderable Package</i>	368
<i>Chapter 20—The java.awt.peer Package</i>	373

<i>Chapter 21—The java.awt.print Package</i>	381
<i>Chapter 22—The javax.accessibility Package</i>	388
<i>Chapter 23—The javax.swing Package</i>	399
<i>Chapter 24—The javax.swing.border Package</i>	519
<i>Chapter 25—The javax.swing.colorchooser Package</i>	527
<i>Chapter 26—The javax.swing.event Package</i>	530
<i>Chapter 27—The javax.swing.filechooser Package</i>	551
<i>Chapter 28—The javax.swing.plaf Package</i>	554
<i>Chapter 29—The javax.swing.table Package</i>	568
<i>Chapter 30—The javax.swing.text Package</i>	579
<i>Chapter 31—The javax.swing.text.html Package</i>	633
<i>Chapter 32—The javax.swing.text.html.parser Package</i>	656
<i>Chapter 33—The javax.swing.text.rtf Package</i>	664
<i>Chapter 34—The javax.swing.tree Package</i>	666
<i>Chapter 35—The javax.swing.undo Package</i>	683
<i>Chapter 36—Class Index</i>	690
<i>Index</i>	703