

Quick UML 2001

Long Parameter List

Sr. No	Class Name	Method Name	No. of Parameters	File Path (Location)
1	GifEncoder	encodePixels	7	\Quick UML 2001\src\acme\GifEncoder.java
2	GifEncoder	GIFEncode	10	\Quick UML 2001\src\acme\GifEncoder.java
3	ImageEncoder	encodePixels	7	\Quick UML 2001\src\acme\ImageEncoder.java
4	ImageEncoder	encodePixelsWrapper	7	\Quick UML 2001\src\acme\ImageEncoder.java
5	ImageEncoder	setPixels	8	\Quick UML 2001\src\acme\ImageEncoder.java

Lazy Class

Sr. No	Class Name	LOC	File Path (Location)
1	AbstractBuilder	17	\Quick UML 2001\src\uml\builder\AbstractBuilder.java
2	AcceptAction	3	\Quick UML 2001\src\uml\ui\JFontChooser.java
3	AssociationItem	6	\Quick UML 2001\src\uml\diagram\AssociationItem.java

4	AssociationLink	2	\\Quick UML 2001\\src\\uml\\diagram\\AssociationLink.java
5	AssociationLinkEditor	6	\\Quick UML 2001\\src\\uml\\diagram\\AssociationLinkEditor.java
6	AssociationTool	6	\\Quick UML 2001\\src\\uml\\ui\\AssociationTool.java
7	AttributeNameingComponent	6	\\Quick UML 2001\\src\\uml\\builder\\AttributeNameingComponent.java
8	BrowseAction	5	\\Quick UML 2001\\src\\uml\\ui\\BuildAction.java
9	BuilderException	2	\\Quick UML 2001\\src\\uml\\builder\\BuilderException.java
10	CancelAction	3	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java
11	CancelEditingAction	5	\\Quick UML 2001\\src\\diagram\\tool\\EditingTool.java
12	ClassFigure	7	\\Quick UML 2001\\src\\uml\\diagram\\ClassFigure.java
13	ClassFilter	12	\\Quick UML 2001\\src\\util\\ClassFilter.java
14	ClassItem	11	\\Quick UML 2001\\src\\uml\\diagram\\ClassItem.java
15	ClassRenderer	10	\\Quick UML 2001\\src\\uml\\diagram\\ClassRenderer.java
16	CloseAction	4	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java

17	CompositionItem	11	\\Quick UML 2001\\src\\uml\\diagram\\CompositionItem.java
18	CompositionLink	2	\\Quick UML 2001\\src\\uml\\diagram\\CompositionLink.java
19	CompositionLinkEditor	8	\\Quick UML 2001\\src\\uml\\diagram\\CompositionLinkEditor.java
20	CompositionTool	6	\\Quick UML 2001\\src\\uml\\ui\\CompositionTool.java
21	CopyAction	4	\\Quick UML 2001\\src\\diagram\\tool\\ClipboardTool.java
22	CopyAction	9	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
23	CutAction	4	\\Quick UML 2001\\src\\diagram\\tool\\ClipboardTool.java
24	CutAction	9	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
25	DefaultLinkEditor	15	\\Quick UML 2001\\src\\diagram\\DefaultLinkEditor.java
26	DependencyItem	6	\\Quick UML 2001\\src\\uml\\diagram\\DependencyItem.java
27	DependencyLink	2	\\Quick UML 2001\\src\\uml\\diagram\\DependencyLink.java
28	DependencyLinkEditor	6	\\Quick UML 2001\\src\\uml\\diagram\\DependencyLinkEditor.java
29	DependencyTool	6	\\Quick UML 2001\\src\\uml\\ui\\DependencyTool.java

30	DesignItem	15	\\Quick UML 2001\\src\\uml\\diagram\\DesignItem.java
31	DiamondHead	16	\\Quick UML 2001\\src\\diagram\\shape\\DiamondHead.java
32	Entry	15	\\Quick UML 2001\\src\\util\\MultiMap.java
33	ExportGIFAction	14	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
34	FigureBorder	17	\\Quick UML 2001\\src\\diagram\\figures\\FigureBorder.java
35	FigureIterator	20	\\Quick UML 2001\\src\\diagram\\FigureIterator.java
36	FlatArrowButton	14	\\Quick UML 2001\\src\\uml\\ui\\FlatArrowButton.java
37	FlatScrollPaneUI	17	\\Quick UML 2001\\src\\uml\\ui\\FlatScrollPane.java
38	FlatSplitPaneDivider	7	\\Quick UML 2001\\src\\uml\\ui\\FlatSplitPane.java
39	FlatSplitPaneUI	8	\\Quick UML 2001\\src\\uml\\ui\\FlatSplitPane.java
40	FocusHandler	6	\\Quick UML 2001\\src\\diagram\\tool\\EditingTool.java
41	GeneralizationItem	4	\\Quick UML 2001\\src\\uml\\diagram\\GeneralizationItem.java
42	GeneralizationLink	2	\\Quick UML 2001\\src\\uml\\diagram\\GeneralizationLink.java

43	GeneralizationLinkEditor	6	\\Quick UML 2001\\src\\uml\\diagram\\GeneralizationLinkEditor.java
44	GeneralizationTool	6	\\Quick UML 2001\\src\\uml\\ui\\GeneralizationTool.java
45	InterfaceFigure	2	\\Quick UML 2001\\src\\uml\\diagram\\InterfaceFigure.java
46	InterfaceItem	6	\\Quick UML 2001\\src\\uml\\diagram\\InterfaceItem.java
47	InterfaceRenderer	7	\\Quick UML 2001\\src\\uml\\diagram\\InterfaceRenderer.java
48	Menu	11	\\Quick UML 2001\\src\\uml\\ui\\FlatMenuBar.java
49	MetaAccessComparator	12	\\Quick UML 2001\\src\\uml\\builder\\MetaAccessComparator.java
50	MetaAssociation	2	\\Quick UML 2001\\src\\uml\\builder\\MetaAssociation.java
51	MetaClassComparator	12	\\Quick UML 2001\\src\\uml\\builder\\Context.java
52	MetaComposition	2	\\Quick UML 2001\\src\\uml\\builder\\MetaComposition.java
53	MetaException	7	\\Quick UML 2001\\src\\uml\\builder\\MetaException.java
54	NewAction	4	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
55	NoteComponent	19	\\Quick UML 2001\\src\\uml\\diagram\\NoteComponent.java

56	NoteEditor	17	\Quick UML 2001\src\uml\diagram\NoteEditor.java
57	NoteFigure	2	\Quick UML 2001\src\uml\diagram\NoteFigure.java
58	NoteRenderer	6	\Quick UML 2001\src\uml\diagram\NoteRenderer.java
59	PasteAction	4	\Quick UML 2001\src\diagram\tool\ClipboardTool.java
60	PasteAction	9	\Quick UML 2001\src\uml\ui\DiagramContainer.java
61	PointFigure	19	\Quick UML 2001\src\diagram\figures\PointFigure.java
62	PrintAction	4	\Quick UML 2001\src\uml\ui\DiagramContainer.java
63	RealizationItem	4	\Quick UML 2001\src\uml\diagram\RealizationItem.java
64	RealizationLink	2	\Quick UML 2001\src\uml\diagram\RealizationLink.java
65	RealizationLinkEditor	6	\Quick UML 2001\src\uml\diagram\RealizationLinkEditor.java
66	RealizationTool	6	\Quick UML 2001\src\uml\ui\RealizationTool.java
67	RepeatingIterator	13	\Quick UML 2001\src\diagram\DefaultDiagramModel.java
68	ResizeAction	14	\Quick UML 2001\src\uml\ui\DiagramContainer.java

69	SampleLabel	15	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java
70	ScaledPrintAction	4	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
71	SemanticException	2	\\Quick UML 2001\\src\\uml\\builder\\SemanticException.java
72	SinkLabelRenderer	8	\\Quick UML 2001\\src\\uml\\diagram\\SinkLabelRenderer.java
73	SmartChooser	14	\\Quick UML 2001\\src\\uml\\ui\\FileAction.java
74	StartEditingAction	7	\\Quick UML 2001\\src\\diagram\\tool\\EditingTool.java
75	StopEditingAction	5	\\Quick UML 2001\\src\\diagram\\tool\\EditingTool.java
76	SyntaxException	2	\\Quick UML 2001\\src\\uml\\builder\\SyntaxException.java
77	ToggleRefreshAction	7	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
78	ToggleRevertAction	4	\\Quick UML 2001\\src\\uml\\ui\\ToolPalette.java
79	ToolButton	16	\\Quick UML 2001\\src\\uml\\ui\\ToolPalette.java
80	TypeFilter	12	\\Quick UML 2001\\src\\uml\\builder\\Context.java
81	ValueIterator	12	\\Quick UML 2001\\src\\diagram\\DefaultSelectionModel.java

Speculative Generality

Sr. No	Class Name	File Path (Location)
1	AbstractLayout	\Quick UML 2001\src\uml\diagram\AbstractLayout.java
2	MetaAccess	\Quick UML 2001\src\uml\builder\MetaAccess.java

Switch Statement

Sr. No	Class Name	Switch Statement	Switch Case	Class_Path
1	GifEncoder	switch(Pass) {	4	\Quick UML 2001\src\acme\GifEncoder.java
2	ShadowBorder	switch (orientation) {	4	\Quick UML 2001\src\uml\ui\border\ShadowBorder.java
3	ShadowBorder	switch (orientation) {	4	\Quick UML 2001\src\uml\ui\border\ShadowBorder.java

Comment Class

Sr. No	Class Name	Total LOC	Comment LOC	Comment Percentage	File Path
1	AbstractLayout	66	31	46.97%	\Quick UML 2001\src\uml\diagram\AbstractLayout.java
2	AssociationTool	6	4	66.67%	\Quick UML 2001\src\uml\ui\AssociationTool.java

3	AssociativeMap	335	139	41.49%	\Quick UML 2001\src\util\AssociativeMap.java
4	AttributeNamingComponent	6	4	66.67%	\Quick UML 2001\src\uml\builder\AttributeNamingComponent.java
5	ClassFilter	12	5	41.67%	\Quick UML 2001\src\util\ClassFilter.java
6	CloseAction	4	8	200%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
7	CompositionTool	6	4	66.67%	\Quick UML 2001\src\uml\ui\CompositionTool.java
8	DefaultFigureEditor	35	17	48.57%	\Quick UML 2001\src\diagram\DefaultFigureEditor.java
9	DefaultFigureRenderer	77	32	41.56%	\Quick UML 2001\src\diagram\DefaultFigureRenderer.java
10	DependencyTool	6	4	66.67%	\Quick UML 2001\src\uml\ui\DependencyTool.java
11	Diagram	176	73	41.48%	\Quick UML 2001\src\diagram\Diagram.java
12	FigureBorder	17	8	47.06%	\Quick UML 2001\src\diagram\figures\FigureBorder.java
13	FigureComparator	23	10	43.48%	\Quick UML 2001\src\diagram\FigureComparator.java
14	FlatSplitPaneUI	8	4	50%	\Quick UML 2001\src\uml\ui\FlatSplitPane.java

15	FocusHandler	6	7	116.67%	\Quick UML 2001\src\diagram\tool\EditingTool.java
16	GeneralizationTool	6	4	66.67%	\Quick UML 2001\src\uml\ui\GeneralizationTool.java
17	InterfaceEditor	24	10	41.67%	\Quick UML 2001\src\uml\diagram\InterfaceEditor.java
18	Layer	69	45	65.22%	\Quick UML 2001\src\diagram\DiagramUI.java
19	ModelHandler	30	13	43.33%	\Quick UML 2001\src\diagram\DiagramUI.java
20	MouseHandler	71	35	49.3%	\Quick UML 2001\src\diagram\tool\EditingTool.java
21	MouseHandler	69	29	42.03%	\Quick UML 2001\src\diagram\tool\FigureShappingTool.java
22	MouseHandler	41	25	60.98%	\Quick UML 2001\src\diagram\tool\SelectionTool.java
23	NamingComponent	67	29	43.28%	\Quick UML 2001\src\uml\builder\NamingComponent.java
24	NewAction	4	8	200%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
25	NoteBorder	80	34	42.5%	\Quick UML 2001\src\uml\diagram\NoteBorder.java
26	NoteBorder	75	33	44%	\Quick UML 2001\src\uml\ui\border\NoteBorder.java
27	NoteEditor	17	9	52.94%	\Quick UML 2001\src\uml\diagram\NoteEditor.java

28	PointFigure	19	8	42.11%	\Quick UML 2001\src\diagram\figures\PointFigure.java
29	PolyLink	92	39	42.39%	\Quick UML 2001\src\diagram\figures\PolyLink.java
30	RealizationTool	6	4	66.67%	\Quick UML 2001\src\uml\ui\RealizationTool.java
31	SampleLabel	15	6	40%	\Quick UML 2001\src\uml\ui\JFontChooser.java
32	SelectionHandler	22	10	45.45%	\Quick UML 2001\src\uml\ui\JFontChooser.java
33	SelectionTool	79	33	41.77%	\Quick UML 2001\src\diagram\tool\SelectionTool.java
34	SmartChooser	14	6	42.86%	\Quick UML 2001\src\uml\ui\FileAction.java
35	ValueIterator	48	34	70.83%	\Quick UML 2001\src\util\AssociativeMap.java

Middle Man

Sr. No	Class Name	No. of Methods	Method Called	Percentage	Class_Path
1	AbstractBuilder	2	3	150%	\Quick UML 2001\src\uml\builder\AbstractBuilder.java
2	AbstractDiagramModel	4	8	200%	\Quick UML 2001\src\diagram\AbstractDiagramModel.java
3	AbstractSelectionModel	4	8	200%	\Quick UML 2001\src\diagram\AbstractSelectionModel.java

4	AbstractTool	7	8	114.29%	\Quick UML 2001\src\diagram\tool\AbstractTool.java
5	AcceptAction	2	18	900%	\Quick UML 2001\src\uml\ui\JFontChooser.java
6	AssociationBuilder	5	15	300%	\Quick UML 2001\src\uml\builder\AssociationBuilder.java
7	AssociationLinkEditor	1	1	100%	\Quick UML 2001\src\uml\diagram\AssociationLinkEditor.java
8	AttributeNameingComponent	1	1	100%	\Quick UML 2001\src\uml\builder\AttributeNameingComponent .java
9	BrowseAction	2	44	2200%	\Quick UML 2001\src\uml\ui\BuildAction.java
10	BuildAction	2	44	2200%	\Quick UML 2001\src\uml\ui\BuildAction.java
11	BuildDialog	4	44	1100%	\Quick UML 2001\src\uml\ui\BuildAction.java
12	CancelAction	2	18	900%	\Quick UML 2001\src\uml\ui\JFontChooser.java
13	CancelEditingAction	1	36	3600%	\Quick UML 2001\src\diagram\tool\EditingTool.java
14	CardinalityTool	5	13	260%	\Quick UML 2001\src\uml\ui\CardinalityTool.java
15	ClassBuilder	6	24	400%	\Quick UML 2001\src\uml\builder\ClassBuilder.java

16	ClassEditor	3	12	400%	\Quick UML 2001\src\uml\diagram\ClassEditor.java
17	ClassEditorComponent	11	17	154.55%	\Quick UML 2001\src\uml\diagram\ClassEditorComponent.java
18	ClassRenderer	1	10	1000%	\Quick UML 2001\src\uml\diagram\ClassRenderer.java
19	ClassRendererComponent	9	17	188.89%	\Quick UML 2001\src\uml\diagram\ClassRendererComponent.java
20	ClipboardTool	9	51	566.67%	\Quick UML 2001\src\diagram\tool\ClipboardTool.java
21	CloseAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
22	ColorAction	2	4	200%	\Quick UML 2001\src\uml\ui\ColorAction.java
23	ColorPanel	2	4	200%	\Quick UML 2001\src\uml\ui\ColorAction.java
24	CompositeTool	6	13	216.67%	\Quick UML 2001\src\diagram\tool\CompositeTool.java
25	CompositionBuilder	4	20	500%	\Quick UML 2001\src\uml\builder\CompositionBuilder.java
26	CompositionLinkRenderer	8	11	137.5%	\Quick UML 2001\src\uml\diagram\CompositionLinkRenderer.java
27	CopyAction	2	51	2550%	\Quick UML 2001\src\diagram\tool\ClipboardTool.java

28	CopyAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
29	CPlusPlusBuilder	11	114	1036.36%	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
30	CustomUI	5	21	420%	\Quick UML 2001\src\uml\diagram\CustomUI.java
31	CutAction	2	51	2550%	\Quick UML 2001\src\diagram\tool\ClipboardTool.java
32	CutAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
33	DefaultFigureEditor	5	7	140%	\Quick UML 2001\src\diagram\DefaultFigureEditor.java
34	DefaultLabelRenderer	7	21	300%	\Quick UML 2001\src\diagram\DefaultLabelRenderer.java
35	DefaultLinkRenderer	11	23	209.09%	\Quick UML 2001\src\diagram\DefaultLinkRenderer.java
36	DependencyLinkEditor	1	1	100%	\Quick UML 2001\src\uml\diagram\DependencyLinkEditor.java
37	DiagramContainer	12	73	608.33%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
38	DiagramUI	22	76	345.45%	\Quick UML 2001\src\diagram\DiagramUI.java
39	EditingTool	6	36	600%	\Quick UML 2001\src\diagram\tool\EditingTool.java
40	EntryIteator	4	22	550%	\Quick UML 2001\src\util\AssociativeMap.java

41	ExportAction	3	4	133.33%	\Quick UML 2001\src\uml\ui\ExportAction.java
42	ExportGIFAction	3	73	2433.33%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
43	FigureBorder	2	4	200%	\Quick UML 2001\src\diagram\figures\FigureBorder.java
44	FigureComparator	1	7	700%	\Quick UML 2001\src\diagram\FigureComparator.java
45	FigureDraggingTool	4	23	575%	\Quick UML 2001\src\diagram\tool\FigureDraggingTool.java
46	FigureShappingTool	9	16	177.78%	\Quick UML 2001\src\diagram\tool\FigureShappingTool.java
47	FigureTool	5	13	260%	\Quick UML 2001\src\diagram\tool\FigureTool.java
48	FileAction	3	6	200%	\Quick UML 2001\src\uml\ui\FileAction.java
49	FlatMenuBar	2	8	400%	\Quick UML 2001\src\uml\ui\FlatMenuBar.java
50	FlatScrollBar	3	4	133.33%	\Quick UML 2001\src\uml\ui\FlatScrollBar.java
51	FocusHandler	3	36	1200%	\Quick UML 2001\src\diagram\tool\EditingTool.java
52	FontAction	2	4	200%	\Quick UML 2001\src\uml\ui\FontAction.java
53	FontDialog	2	18	900%	\Quick UML 2001\src\uml\ui\JFontChooser.java

54	FontPanel	2	4	200%	\Quick UML 2001\src\uml\ui\FontAction.java
55	GeneralizationLinkEditor	1	1	100%	\Quick UML 2001\src\uml\diagram\GeneralizationLinkEditor.java
56	IconManager	7	13	185.71%	\Quick UML 2001\src\uml\ui\IconManager.java
57	InheritanceBuilder	4	12	300%	\Quick UML 2001\src\uml\builder\InheritanceBuilder.java
58	InterfaceComponent	8	16	200%	\Quick UML 2001\src\uml\diagram\InterfaceComponent.java
59	InterfaceEditor	2	8	400%	\Quick UML 2001\src\uml\diagram\InterfaceEditor.java
60	InterfaceRenderer	1	6	600%	\Quick UML 2001\src\uml\diagram\InterfaceRenderer.java
61	Iterator	6	6	100%	\Quick UML 2001\src\diagram\shape\PolyLine2D.java
62	JavaBuilder	6	61	1016.67%	\Quick UML 2001\src\uml\builder\JavaBuilder.java
63	JFontChooser	12	18	150%	\Quick UML 2001\src\uml\ui\JFontChooser.java
64	Layer	9	76	844.44%	\Quick UML 2001\src\diagram\DiagramUI.java
65	LinkLabel	6	19	316.67%	\Quick UML 2001\src\diagram\LinkLabel.java

66	LinkShappingTool	6	24	400%	\Quick UML 2001\src\diagram\tool\LinkShappingTool.java
67	LinkTool	5	25	500%	\Quick UML 2001\src\diagram\tool\LinkTool.java
68	Menu	2	8	400%	\Quick UML 2001\src\uml\ui\FlatMenuBar.java
69	MetaAccessComparator	1	5	500%	\Quick UML 2001\src\uml\builder\MetaAccessComparator.java
70	MetaAttribute	10	11	110%	\Quick UML 2001\src\uml\builder\MetaAttribute.java
71	MetaClass	28	34	121.43%	\Quick UML 2001\src\uml\builder\MetaClass.java
72	MetaClassComparator	1	14	1400%	\Quick UML 2001\src\uml\builder\Context.java
73	MetaException	1	5	500%	\Quick UML 2001\src\uml\builder\MetaException.java
74	MetaMethod	15	20	133.33%	\Quick UML 2001\src\uml\builder\MetaMethod.java
75	MetaParameter	5	6	120%	\Quick UML 2001\src\uml\builder\MetaParameter.java
76	ModelHandler	4	76	1900%	\Quick UML 2001\src\diagram\DiagramUI.java
77	MouseHandler	7	36	514.29%	\Quick UML 2001\src\diagram\tool\EditingTool.java
78	MouseHandler	4	23	575%	\Quick UML 2001\src\diagram\tool\FigureDraggingTool.java

79	MouseHandler	3	16	533.33%	\\Quick UML 2001\\src\\diagram\\tool\\FigureShappingTool.java
80	MouseHandler	3	13	433.33%	\\Quick UML 2001\\src\\diagram\\tool\\FigureTool.java
81	MouseHandler	4	24	600%	\\Quick UML 2001\\src\\diagram\\tool\\LinkShappingTool.java
82	MouseHandler	3	25	833.33%	\\Quick UML 2001\\src\\diagram\\tool\\LinkTool.java
83	MouseHandler	2	21	1050%	\\Quick UML 2001\\src\\diagram\\tool\\SelectionTool.java
84	MouseHandler	1	13	1300%	\\Quick UML 2001\\src\\uml\\ui\\CardinalityTool.java
85	NamingComponent	5	15	300%	\\Quick UML 2001\\src\\uml\\builder\\NamingComponent.java
86	NewAction	2	73	3650%	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java
87	NoteComponent	3	4	133.33%	\\Quick UML 2001\\src\\uml\\diagram\\NoteComponent.java
88	NoteEditor	2	3	150%	\\Quick UML 2001\\src\\uml\\diagram\\NoteEditor.java
89	NoteRenderer	1	3	300%	\\Quick UML 2001\\src\\uml\\diagram\\NoteRenderer.java
90	ObjectBuilder	2	17	850%	\\Quick UML 2001\\src\\uml\\builder\\ObjectBuilder.java
91	OpenAction	3	73	2433.33%	\\Quick UML 2001\\src\\uml\\ui\\DiagramContainer.java

92	PasteAction	2	51	2550%	\Quick UML 2001\src\diagram\tool\ClipboardTool.java
93	PasteAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
94	Popup	3	13	433.33%	\Quick UML 2001\src\uml\ui\CardinalityTool.java
95	PrintAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
96	PropertyChangeHandler	1	76	7600%	\Quick UML 2001\src\diagram\DiagramUI.java
97	QuickUML	3	9	300%	\Quick UML 2001\src\uml\QuickUML.java
98	RealizationBuilder	6	15	250%	\Quick UML 2001\src\uml\builder\RealizationBuilder.java
99	RealizationLinkEditor	1	1	100%	\Quick UML 2001\src\uml\diagram\RealizationLinkEditor.java
100	RepeatingIterator	4	7	175%	\Quick UML 2001\src\diagram\DefaultDiagramModel.java
101	ResizeAction	3	73	2433.33%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
102	SampleLabel	5	18	360%	\Quick UML 2001\src\uml\ui\JFontChooser.java
103	SaveAction	3	73	2433.33%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
104	ScaledPrintableAction	2	2	100%	\Quick UML 2001\src\uml\ui\ScaledPrintableAction.java

105	ScaledPrintAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
106	SelectionHandler	1	18	1800%	\Quick UML 2001\src\uml\ui\JFontChooser.java
107	SelectionTool	3	21	700%	\Quick UML 2001\src\diagram\tool\SelectionTool.java
108	SimpleFilter	4	6	150%	\Quick UML 2001\src\uml\ui\FileAction.java
109	SinkLabelRenderer	1	4	400%	\Quick UML 2001\src\uml\diagram\SinkLabelRenderer.java
110	SizePanel	5	6	120%	\Quick UML 2001\src\uml\ui\SizePanel.java
111	SmartChooser	3	6	200%	\Quick UML 2001\src\uml\ui\FileAction.java
112	StartEditingAction	1	36	3600%	\Quick UML 2001\src\diagram\tool\EditingTool.java
113	StopEditingAction	1	36	3600%	\Quick UML 2001\src\diagram\tool\EditingTool.java
114	ToggleRefreshAction	2	73	3650%	\Quick UML 2001\src\uml\ui\DiagramContainer.java
115	ToggleRevertAction	2	20	1000%	\Quick UML 2001\src\uml\ui\ToolPalette.java
116	ToolButton	3	20	666.67%	\Quick UML 2001\src\uml\ui\ToolPalette.java
117	ToolPalette	7	20	285.71%	\Quick UML 2001\src\uml\ui\ToolPalette.java

118	TypeFilter	2	14	700%	\Quick UML 2001\src\uml\builder\Context.java
119	ValueIterator	4	4	100%	\Quick UML 2001\src\diagram\DefaultSelectionModel.java
120	ValueIterator	5	22	440%	\Quick UML 2001\src\util\AssociativeMap.java

Divergent Change

Sr. No	Divergent Class Name	File Path (Location)	No of Methods Accessed
1	GifEncoder	\Quick UML 2001\src\acme\GifEncoder.java	3
2	AbstractTool	\Quick UML 2001\src\diagram\tool\AbstractTool.java	4
3	AbstractDiagramModel	\Quick UML 2001\src\diagram\AbstractDiagramModel.java	4
4	AbstractSelectionModel	\Quick UML 2001\src\diagram\AbstractSelectionModel.java	4
5	ClassEditor	\Quick UML 2001\src\uml\diagram\ClassEditor.java	6
6	ClassRenderer	\Quick UML 2001\src\uml\diagram\ClassRenderer.java	4
7	NewAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
8	CloseAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5

9	OpenAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
10	SaveAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
11	ExportGIFAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
12	PrintAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
13	ScaledPrintAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
14	CopyAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
15	CutAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
16	PasteAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
17	ResizeAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
18	ToggleRefreshAction	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5
19	DiagramContainer	\Quick UML 2001\src\uml\ui\DiagramContainer.java	5

Shotgun Surgery

Sr. No.	Shotgun Class Name	Shotgun Method Name	Effected No. of Methods	Shotgun Class Path
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1	Layer	Public Figure findFigure	4	\\Quick UML 2001\\src\\diagram\\DiagramUI.java
2	Layer	Public void removeAll	4	\\Quick UML 2001\\src\\diagram\\DiagramUI.java
3	WeakList	Public boolean add	3	\\Quick UML 2001\\src\\util\\WeakList.java
4	WeakList	Public Object get	8	\\Quick UML 2001\\src\\util\\WeakList.java
5	WeakList	Public boolean remove	3	\\Quick UML 2001\\src\\util\\WeakList.java
6	WeakList	Public int size	8	\\Quick UML 2001\\src\\util\\WeakList.java

Message Chain

Sr. No	Class Name	Method Name	Method Chain Count	File Path (Location)
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Inappropriate Intimacy

Sr. No.	Intimate Class Name	Calling Class Name	Intimacy Method Value	Intimate Class Path	Calling Class Path
1	ClassEditorComponent	ClassEditor	5	\\Quick UML 2001\\src\\uml\\diagram\\ClassEditorComponent.java	\\Quick UML 2001\\src\\uml\\diagram\\ClassEditor.java
2	Layer	DiagramUI	6	\\Quick UML 2001\\src\\diagram\\DiagramUI.java	\\Quick UML 2001\\src\\diagram\\DiagramUI.java

3	WeakList	AbstractDiagramModel	6	\\Quick UML 2001\\src\\util\\WeakList.java	\\Quick UML 2001\\src\\diagram\\AbstractDiagramModel.java
4	WeakList	AbstractSelectionModel	6	\\Quick UML 2001\\src\\util\\WeakList.java	\\Quick UML 2001\\src\\diagram\\AbstractSelectionModel.java
5	WeakList	AbstractTool	10	\\Quick UML 2001\\src\\util\\WeakList.java	\\Quick UML 2001\\src\\diagram\\tool\\AbstractTool.java

Feature Envy

Sr. No	Class Name	Method Name	Method Call	File Path
1	AssociationBuilder	Protected void identifyAssociations	11	\\Quick UML 2001\\src\\uml\\builder\\AssociationBuilder.java
2	ClassBuilder	Protected void identifyClasses	9	\\Quick UML 2001\\src\\uml\\builder\\ClassBuilder.java
3	ClassBuilder	Protected void identifyInterfaces	8	\\Quick UML 2001\\src\\uml\\builder\\ClassBuilder.java
4	ClassEditor	Public Object getCellEditorValue	6	\\Quick UML 2001\\src\\uml\\diagram\\ClassEditor.java
5	ClassEditorComponent	Public void doLayout	5	\\Quick UML 2001\\src\\uml\\diagram\\ClassEditorComponent.java
6	ClassRenderer	Public Component getUserComponent	10	\\Quick UML 2001\\src\\uml\\diagram\\ClassRenderer.java
7	ClipboardTool	Public void doCut	8	\\Quick UML 2001\\src\\diagram\\tool\\ClipboardTool.java

8	ClipboardTool	Public void doPaste	26	\Quick UML 2001\src\diagram\tool\ClipboardTool.java
9	CompositionBuilder	Protected void identifyCompositions	20	\Quick UML 2001\src\uml\builder\CompositionBuilder.java
10	CPlusPlusBuilder	Public void build	6	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
11	CPlusPlusBuilder	Protected void writeHeader	26	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
12	CPlusPlusBuilder	Protected void writeHeaderAttributes	11	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
13	CPlusPlusBuilder	Protected void writeHeaderConstructor	6	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
14	CPlusPlusBuilder	Protected void writeHeaderMethods	19	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
15	CPlusPlusBuilder	Protected void writeSource	14	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
16	CPlusPlusBuilder	Protected void writeSourceConstructor	23	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
17	CPlusPlusBuilder	Protected void writeSourceDestructor	5	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
18	CustomUI	Public void installUI	5	\Quick UML 2001\src\uml\diagram\CustomUI.java
19	CustomUI	Public void propertyChange	15	\Quick UML 2001\src\uml\diagram\CustomUI.java
20	DefaultFigureEditor	Public Component getFigureEditorCompone	5	\Quick UML 2001\src\diagram\DefaultFigureEditor.java

		nt		
21	DefaultLabelRenderer	Protected void calculateSegment	13	\Quick UML 2001\src\diagram\DefaultLabelRenderer.java
22	DefaultLinkRenderer	Public void paintComponent	17	\Quick UML 2001\src\diagram\DefaultLinkRenderer.java
23	DiagramContainer	Public Diagram createDiagram	16	\Quick UML 2001\src\uml\ui\DiagramContainer.java
24	DiagramContainer	Public void setView	19	\Quick UML 2001\src\uml\ui\DiagramContainer.java
25	DiagramContainer	Public void updateMenus	20	\Quick UML 2001\src\uml\ui\DiagramContainer.java
26	DiagramUI	Public void installUI	14	\Quick UML 2001\src\diagram\DiagramUI.java
27	EditingTool	Protected boolean startEditing	8	\Quick UML 2001\src\diagram\tool\EditingTool.java
28	FigureComparator	Public int compare	7	\Quick UML 2001\src\diagram\FigureComparator.java
29	FigureDraggingTool	Protected void getRelatedFigures	5	\Quick UML 2001\src\diagram\tool\FigureDraggingTool.java
30	IconManager	Public Image getImageResource	8	\Quick UML 2001\src\uml\ui\IconManager.java
31	InheritanceBuilder	Protected void identifyGeneralizations	9	\Quick UML 2001\src\uml\builder\InheritanceBuilder.java
32	InterfaceRenderer	Public Component getUserComponent	6	\Quick UML 2001\src\uml\diagram\InterfaceRenderer.java

33	JavaBuilder	Public void build	11	\\Quick UML 2001\\src\\uml\\builder\\JavaBuilder.java
34	JavaBuilder	Protected void writeAttributes	6	\\Quick UML 2001\\src\\uml\\builder\\JavaBuilder.java
35	JavaBuilder	Protected void writeConstructor	37	\\Quick UML 2001\\src\\uml\\builder\\JavaBuilder.java
36	JavaBuilder	Protected void writeMethods	5	\\Quick UML 2001\\src\\uml\\builder\\JavaBuilder.java
37	JFontChooser	Public void setFont	5	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java
38	Layer	Public void paintLayer	7	\\Quick UML 2001\\src\\diagram\\DiagramUI.java
39	LinkLabel	Protected int calculateLabelSegment	11	\\Quick UML 2001\\src\\diagram\\LinkLabel.java
40	MetaAccessComparator	Public int compare	5	\\Quick UML 2001\\src\\uml\\builder\\MetaAccessComparator.java
41	MetaClass	Public String toString	9	\\Quick UML 2001\\src\\uml\\builder\\MetaClass.java
42	MetaMethod	Public String toString	9	\\Quick UML 2001\\src\\uml\\builder\\MetaMethod.java
43	MouseHandler	Protected Figure findPressedFigure	8	\\Quick UML 2001\\src\\diagram\\tool\\EditingTool.java
44	MouseHandler	Public void mouseDragged	7	\\Quick UML 2001\\src\\diagram\\tool\\FigureDraggingTool.java
45	MouseHandler	Public void mousePressed	9	\\Quick UML 2001\\src\\diagram\\tool\\FigureDraggingTool.java

46	MouseHandler	Public void mousePressed	8	\Quick UML 2001\src\diagram\tool\FigureShappingTool.java
47	MouseHandler	Public void mouseReleased	5	\Quick UML 2001\src\diagram\tool\FigureShappingTool.java
48	MouseHandler	Public void mouseClicked	8	\Quick UML 2001\src\diagram\tool\LinkShappingTool.java
49	MouseHandler	Public void mouseDragged	10	\Quick UML 2001\src\diagram\tool\LinkShappingTool.java
50	MouseHandler	Public void mouseDragged	9	\Quick UML 2001\src\diagram\tool\LinkTool.java
51	MouseHandler	Public void mousePressed	7	\Quick UML 2001\src\diagram\tool\LinkTool.java
52	MouseHandler	Public void mouseReleased	9	\Quick UML 2001\src\diagram\tool\LinkTool.java
53	MouseHandler	Public void mouseClicked	8	\Quick UML 2001\src\diagram\tool\SelectionTool.java
54	MouseHandler	Public void mouseClicked	6	\Quick UML 2001\src\uml\ui\CardinalityTool.java
55	ObjectBuilder	Protected void buildConstructors	17	\Quick UML 2001\src\uml\builder\ObjectBuilder.java
56	PropertyChangeHandl er	Public void propertyChange	17	\Quick UML 2001\src\diagram\DiagramUI.java
57	QuickUML	Public void updateMenus	5	\Quick UML 2001\src\uml\QuickUML.java
58	RealizationBuilder	Protected void identifyRealizations	9	\Quick UML 2001\src\uml\builder\RealizationBuilder.java

59	SimpleFilter	Public String getDescription	5	\Quick UML 2001\src\uml\ui\FileAction.java		
Temporary Field						
Sr. No	Class Name	Attribute Name	Class Methods	No. of Methods	Usage Percentage	File Path
1	CircularFigure	figureId	13	1	7.69230769230769%	\Quick UML 2001\src\diagram\figures\CircularFigure.java
2	CPlusPlusBuilder	prefix	11	1	9.09090909090909%	\Quick UML 2001\src\uml\builder\CPlusPlusBuilder.java
3	DefaultFigureRenderer	DEFAULT_EXPANSION	10	1	10%	\Quick UML 2001\src\diagram\DefaultFigureRenderer.java
4	DefaultLinkRenderer	p1	11	1	9.09090909090909%	\Quick UML 2001\src\diagram\DefaultLinkRenderer.java
5	DefaultLinkRenderer	p2	11	1	9.09090909090909%	\Quick UML 2001\src\diagram\DefaultLinkRenderer.java
6	Diagram	editorMap	26	2	7.69230769230769%	\Quick UML 2001\src\diagram\Diagram.java
7	Diagram	fastRefresh	26	2	7.69230769230769%	\Quick UML 2001\src\diagram\Diagram.java
8	DiagramContainer	defaultSize	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\DiagramContainer.java

9	DiagramUI	bounds	22	2	9.09090909090909%	\Quick UML 2001\src\diagram\DiagramUI.java
10	DiagramUI	cellRender erPane	22	2	9.09090909090909%	\Quick UML 2001\src\diagram\DiagramUI.java
11	DiagramUI	fastRefresh	22	2	9.09090909090909%	\Quick UML 2001\src\diagram\DiagramUI.java
12	DiagramUI	originalBack ground	22	2	9.09090909090909%	\Quick UML 2001\src\diagram\DiagramUI.java
13	ImageEncod er	producer	16	1	6.25%	\Quick UML 2001\src\acme\ImageEncoder.java
14	ImageEncod er	props	16	1	6.25%	\Quick UML 2001\src\acme\ImageEncoder.java
15	ImageEncod er	started	16	1	6.25%	\Quick UML 2001\src\acme\ImageEncoder.java
16	JFontChoose r	familyField	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\JFontChooser.java
17	JFontChoose r	familyList	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\JFontChooser.java
18	JFontChoose r	sizesField	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\JFontChooser.java
19	JFontChoose r	sizesList	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\JFontChooser.java
20	JFontChoose r	stylesField	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\JFontChooser.java
21	JFontChoose r	stylesList	12	1	8.33333333333333%	\Quick UML 2001\src\uml\ui\JFontChooser.java

22	MetaClass	anInterface	28	2	7.14285714285714%	\\Quick UML 2001\\src\\uml\\builder\\MetaClass.java
23	MetaClass	attributeList	28	2	7.14285714285714%	\\Quick UML 2001\\src\\uml\\builder\\MetaClass.java
24	MetaClass	methodList	28	1	3.57142857142857%	\\Quick UML 2001\\src\\uml\\builder\\MetaClass.java
25	RectangularFigure	figureId	13	1	7.69230769230769%	\\Quick UML 2001\\src\\diagram\\figures\\RectangularFigure.java

Primitive Obsession

Sr. No	Class Name	Primitive Data Types	Class Path
1	AcceptAction	17	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java
2	ArrowHead	38	\\Quick UML 2001\\src\\diagram\\shape\\ArrowHead.java
3	AssociativeMap	41	\\Quick UML 2001\\src\\util\\AssociativeMap.java
4	BrowseAction	11	\\Quick UML 2001\\src\\uml\\ui\\BuildAction.java
5	BuildAction	11	\\Quick UML 2001\\src\\uml\\ui\\BuildAction.java
6	BuildDialog	11	\\Quick UML 2001\\src\\uml\\ui\\BuildAction.java

7	CancelAction	17	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java
8	CircularFigure	52	\\Quick UML 2001\\src\\diagram\\figures\\CircularFigure.java
9	ClassRendererComponent	10	\\Quick UML 2001\\src\\uml\\diagram\\ClassRendererComponent.java
10	CompositionLinkRenderer	32	\\Quick UML 2001\\src\\uml\\diagram\\CompositionLinkRenderer.java
11	Context	12	\\Quick UML 2001\\src\\uml\\builder\\Context.java
12	CPlusPlusBuilder	17	\\Quick UML 2001\\src\\uml\\builder\\CPlusPlusBuilder.java
13	DefaultFigureRenderer	19	\\Quick UML 2001\\src\\diagram\\DefaultFigureRenderer.java
14	DefaultLabelRenderer	26	\\Quick UML 2001\\src\\diagram\\DefaultLabelRenderer.java
15	DefaultLinkRenderer	66	\\Quick UML 2001\\src\\diagram\\DefaultLinkRenderer.java
16	Diagram	16	\\Quick UML 2001\\src\\diagram\\Diagram.java
17	DiamondHead	32	\\Quick UML 2001\\src\\diagram\\shape\\DiamondHead.java
18	Double	167	\\Quick UML 2001\\src\\diagram\\shape\\PolyLine2D.java
19	Entry	21	\\Quick UML 2001\\src\\util\\MultiMap.java

20	EntryIterator	41	\Quick UML 2001\src\util\AssociativeMap.java
21	FigureShappingTool	29	\Quick UML 2001\src\diagram\tool\FigureShappingTool.java
22	FileAction	13	\Quick UML 2001\src\uml\ui\FileAction.java
23	FlatScrollPane	10	\Quick UML 2001\src\uml\ui\FlatScrollPane.java
24	FlatScrollPaneUI	10	\Quick UML 2001\src\uml\ui\FlatScrollPane.java
25	FontDialog	17	\Quick UML 2001\src\uml\ui\JFontChooser.java
26	GifEncoder	132	\Quick UML 2001\src\acme\GifEncoder.java
27	ImageEncoder	132	\Quick UML 2001\src\acme\ImageEncoder.java
28	InterfaceComponent	11	\Quick UML 2001\src\uml\diagram\InterfaceComponent.java
29	IntHashtable	49	\Quick UML 2001\src\acme\IntHashtable.java
30	Iterator	167	\Quick UML 2001\src\diagram\shape\PolyLine2D.java
31	JFontChooser	17	\Quick UML 2001\src\uml\ui\JFontChooser.java
32	LinkLabel	26	\Quick UML 2001\src\diagram\LinkLabel.java

33	MetaAccess	25	\\Quick UML 2001\\src\\uml\\builder\\MetaAccess.java
34	MetaAttribute	13	\\Quick UML 2001\\src\\uml\\builder\\MetaAttribute.java
35	MetaClass	10	\\Quick UML 2001\\src\\uml\\builder\\MetaClass.java
36	MetaClassComparator	12	\\Quick UML 2001\\src\\uml\\builder\\Context.java
37	MetaMethod	13	\\Quick UML 2001\\src\\uml\\builder\\MetaMethod.java
38	MouseHandler	29	\\Quick UML 2001\\src\\diagram\\tool\\FigureShappingTool.java
39	NamingComponent	12	\\Quick UML 2001\\src\\uml\\builder\\NamingComponent.java
40	NoteBorder	25	\\Quick UML 2001\\src\\uml\\diagram\\NoteBorder.java
41	NoteBorder	25	\\Quick UML 2001\\src\\uml\\ui\\border\\NoteBorder.java
42	PointFigure	30	\\Quick UML 2001\\src\\diagram\\figures\\PointFigure.java
43	PolygonFigure	40	\\Quick UML 2001\\src\\diagram\\figures\\PolygonFigure.java
44	PolyLine2D	167	\\Quick UML 2001\\src\\diagram\\shape\\PolyLine2D.java
45	PolyLink	44	\\Quick UML 2001\\src\\diagram\\figures\\PolyLink.java

46	RectangularFigure	51	\Quick UML 2001\src\diagram\figures\RectangularFigure.java
47	SampleLabel	17	\Quick UML 2001\src\uml\ui\JFontChooser.java
48	SelectionBorder	20	\Quick UML 2001\src\diagram\SelectionBorder.java
49	SelectionHandler	17	\Quick UML 2001\src\uml\ui\JFontChooser.java
50	ShadowBorder	24	\Quick UML 2001\src\uml\ui\border\ShadowBorder.java
51	SimpleFilter	13	\Quick UML 2001\src\uml\ui\FileAction.java
52	SmartChooser	13	\Quick UML 2001\src\uml\ui\FileAction.java
53	TypeFilter	12	\Quick UML 2001\src\uml\builder\Context.java
54	ValueIterator	41	\Quick UML 2001\src\util\AssociativeMap.java

Parallel Inheritance Hierarchy

Sr. No	1 st Class Name	2 nd Class Name	1 st Class Path	2 nd Class Path
1	AcceptAction	CancelAction	\Quick UML 2001\src\uml\ui\JFontChooser.java	\Quick UML 2001\src\uml\ui\JFontChooser.java

Data Clump

Sr. No	Class Name	Data Types	Class Path
1	DefaultLinkRenderer	66	\\Quick UML 2001\\src\\diagram\\DefaultLinkRenderer.java
2	GifEncoder	132	\\Quick UML 2001\\src\\acme\\GifEncoder.java
3	ImageEncoder	132	\\Quick UML 2001\\src\\acme\\ImageEncoder.java
4	Iterator	167	\\Quick UML 2001\\src\\diagram\\shape\\PolyLine2D.java
5	PolyLine2D	167	\\Quick UML 2001\\src\\diagram\\shape\\PolyLine2D.java

Duplicate Code Class

Sr. No	1st Class Name	2nd Class Name	Duplication %	1st Class Path	2nd Class Path	1st Class LOC	2nd Class LOC	Duplicate LOC
1	AcceptAction	CancelAction	55.55556%	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java	\\Quick UML 2001\\src\\uml\\ui\\JFontChooser.java	9	9	5
2	ColorAction	ColorPanel	76.43312%	\\Quick UML 2001\\src\\uml\\ui\\ColorAction.java	\\Quick UML 2001\\src\\uml\\ui\\ColorAction.java	95	62	60
3	ColorAction	FontAction	41.66667%	\\Quick UML 2001\\src\\uml\\ui\\ColorAction.java	\\Quick UML 2001\\src\\uml\\ui\\FontAction.java	95	97	40
4	ColorAction	FontPanel	44.02516%	\\Quick UML 2001\\src\\uml\\ui\\ColorAction.java	\\Quick UML 2001\\src\\uml\\ui\\FontAction.java	95	64	35

5	ColorPanel	FontAction	44.02516%	\\Quick UML 2001\\src\\uml\\ui\\ColorAction.java	\\Quick UML 2001\\src\\uml\\ui\\FontAction.java	62	97	35
6	ColorPanel	FontPanel	55.55556%	\\Quick UML 2001\\src\\uml\\ui\\ColorAction.java	\\Quick UML 2001\\src\\uml\\ui\\FontAction.java	62	64	35
7	FigureDraggingTool	MouseHandler	67.56757%	\\Quick UML 2001\\src\\diagram\\tool\\FigureDraggingTool.java	\\Quick UML 2001\\src\\diagram\\tool\\FigureDraggingTool.java	236	134	125
8	FigureTool	MouseHandler	57.14286%	\\Quick UML 2001\\src\\diagram\\tool\\FigureTool.java	\\Quick UML 2001\\src\\diagram\\tool\\FigureTool.java	170	75	70
9	FontAction	FontPanel	62.1118%	\\Quick UML 2001\\src\\uml\\ui\\FontAction.java	\\Quick UML 2001\\src\\uml\\ui\\FontAction.java	97	64	50
10	LinkShappingTool	MouseHandler	62.21198%	\\Quick UML 2001\\src\\diagram\\tool\\LinkShappingTool.java	\\Quick UML 2001\\src\\diagram\\tool\\LinkShappingTool.java	264	170	135
11	LinkTool	MouseHandler	68.24926%	\\Quick UML 2001\\src\\diagram\\tool\\LinkTool.java	\\Quick UML 2001\\src\\diagram\\tool\\LinkTool.java	209	128	115
12	MouseHandler	SelectionTool	59.36073%	\\Quick UML 2001\\src\\diagram\\tool\\SelectionTool.java	\\Quick UML 2001\\src\\diagram\\tool\\SelectionTool.java	69	150	65
13	NoteBorder	NoteBorder	40.44118%	\\Quick UML 2001\\src\\uml\\diagram\\NoteBorder.java	\\Quick UML 2001\\src\\uml\\ui\\border\\NoteBorder.java	139	133	55