Table 8 The Move Method/Field refactoring suggestions for JHotDraw

Method/Field	Source Class	Target Class
ValidatorPlugin.invalidAttributeValue	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.missingAttribute	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.missingElement	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.missingPCData	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.unexpectedAttribute	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.unexpectedElement	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.unexpectedPCData	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
ValidatorPlugin.validationError	ValidatorPlugin	net.n3.nanoxml.XMLUtil_new_1
XMLUtil.errorInvalidEntity	XMLUtil	net.n3.nanoxml.ContentReader_new_1
XMLUtil.processEntity	XMLUtil	net.n3.nanoxml.ContentReader_new_1
XMLUtil.read	XMLUtil	net.n3.nanoxml.NonValidator_new_1
XMLUtil.checkLiteral	XMLUtil	net.n3.nanoxml.NonValidator_new_1
XMLUtil.readChar	XMLUtil	net.n3.nanoxml.NonValidator_new_1
XMLUtil.skipTag	XMLUtil	net.n3.nanoxml.NonValidator_new_1
StdXMLParser.builder	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.entityResolver	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.processSpecialTag	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.reader	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.processPI	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.processCDATA	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.processDocType	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.finalize	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.processAttribute	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.processElement	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.scanData	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
StdXMLParser.scanSomeTag	StdXMLParser	net.n3.nanoxml.XMLUtil_new_2
Geom.outcode	Geom	org.jhotdraw.draw.ElbowLiner_new_1
DiamondFigure.IS_QUADRATI	DiamondFigure	org.jhotdraw.draw.ChopDiamondC

Method/Field	Source Class	Target Class
C		onnector_new_1
LineDecorationIcon.getIconHeight	LineDecoration Icon	org.jhotdraw.geom.Geom_new_2
LineDecorationIcon.getIconWidth	LineDecoration Icon	org.jhotdraw.geom.Geom_new_2
ChopTriangleConnector.chop	ChopTriangleC onnector	org.jhotdraw.geom.Geom_new_2
ChopTriangleConnector.getConnectorTarget	ChopTriangleC onnector	org.jhotdraw.geom.Geom_new_2
DrawingPanel.addCreationButtonsTo	DrawingPanel	org.jhotdraw.geom.Geom_new_2
LineDecorationIcon.lineFigure	LineDecoration Icon	org.jhotdraw.geom.Geom_new_2
LineDecorationIcon.paintIcon	LineDecoration Icon	org.jhotdraw.geom.Geom_new_2
DrawingPanel.addDefaultCreationButtonsTo	DrawingPanel	org.jhotdraw.geom.Geom_new_2
DrawApplicationModel.getSharedEditor	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.sharedEditor	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.addCreationButtonsTo	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.createToolBars	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.initProject	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.setCopyright	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.setName	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.setProjectClassName	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.setVersion	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
DrawApplicationModel.addDefaultCreationButtonsTo	DrawApplicationModel	org.jhotdraw.draw.AttributeKey_new_1
JSheet.showSaveSheet	JSheet	org.jhotdraw.app.action.ExitAction_new_1
JSheet.showSheet	JSheet	org.jhotdraw.app.action.ExitAction_new_1
LoadAction.fileOpened	LoadAction	org.jhotdraw.gui.JSheet_new_2
LoadRecentAction.fileOpened	LoadRecentActi	org.jhotdraw.gui.JSheet_new_2

Method/Field	Source Class	Target Class
	on OpenRecentAction	
OpenRecentAction.fileOpened	OpenRecentAction	org.jhotdraw.gui.JSheet_new_2
OpenAction.fileOpened	OpenAction	org.jhotdraw.gui.JSheet_new_2
Methods.invoke	Methods	org.jhotdraw.app.action.ExportAction_new_1
Methods.invokeIfExists	Methods	org.jhotdraw.app.action.ExportAction_new_1
JSheet.addNotify	JSheet	org.jhotdraw.util.Methods_new_2
ResourceBundleUtil.getLAFBundle	ResourceBundleUtil	org.jhotdraw.app.action.FocusAction_new_1
OpenAction.ID	OpenAction	org.jhotdraw.util.ResourceBundleUtil_new_2
ArrangeAction.HORIZONTAL_ID	ArrangeAction	org.jhotdraw.util.ResourceBundleUtil_new_2
ArrangeAction.CASCADE_ID	ArrangeAction	org.jhotdraw.util.ResourceBundleUtil_new_2
ArrangeAction.VERTICAL_ID	ArrangeAction	org.jhotdraw.util.ResourceBundleUtil_new_2
DefaultMDIApplication.desktopPane	DefaultMDIApplication	org.jhotdraw.util.ResourceBundleUtil_new_2
ArrangeAction.actionPerformed	ArrangeAction	org.jhotdraw.util.ResourceBundleUtil_new_2
ArrangeAction.arrangeable	ArrangeAction	org.jhotdraw.util.ResourceBundleUtil_new_2
ArrangeAction.arrangement	ArrangeAction	org.jhotdraw.util.ResourceBundleUtil_new_2
DefaultMDIApplication.initApplicationActions	DefaultMDIApplication	org.jhotdraw.util.ResourceBundleUtil_new_2
OpenAction.getApplication	OpenAction	org.jhotdraw.util.ResourceBundleUtil_new_2
OpenAction.actionPerformed	OpenAction	org.jhotdraw.util.ResourceBundleUtil_new_2
OpenAction.openFile	OpenAction	org.jhotdraw.util.ResourceBundleUtil_new_2
LocatorLayouter.calculateLayout	LocatorLayouter	org.jhotdraw.geom.Dimension2DDouble_new_1
LocatorLayouter.layout	LocatorLayouter	org.jhotdraw.geom.Dimension2DDouble_new_1
ToolBarButtonFactory.addFontButtonsTo	ToolBarButtonFactory	org.jhotdraw.draw.action.AttributeToggler_new_1
StrokeIcon.getIconWidth	StrokeIcon	org.jhotdraw.draw.action.ToolBarButtonFactory_new_3

Method/Field	Source Class	Target Class
StrokeIcon.getIconHeight	StrokeIcon	org.jhotdraw.draw.action.ToolBarButtonFactory_new_3
StrokeIcon.paintIcon	StrokeIcon	org.jhotdraw.draw.action.ToolBarButtonFactory_new_3
StrokeIcon.stroke	StrokeIcon	org.jhotdraw.draw.action.ToolBarButtonFactory_new_3
ColorIcon.getIconWidth	ColorIcon	org.jhotdraw.draw.action.ColorAttributeIcon_new_1
ColorIcon.getIconHeight	ColorIcon	org.jhotdraw.draw.action.ColorAttributeIcon_new_1
ColorIcon.borderColor	ColorIcon	org.jhotdraw.draw.action.ColorAttributeIcon_new_1
ColorIcon.fillColor	ColorIcon	org.jhotdraw.draw.action.ColorAttributeIcon_new_1
ColorIcon.paintIcon	ColorIcon	org.jhotdraw.draw.action.ColorAttributeIcon_new_1
ToolBarButtonFactory.addColorButtonTo	ToolBarButtonFactory	org.jhotdraw.draw.action.ColorAttributeIcon_new_1
NanoXMLLiteDOMOutput.factory	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.prototypes	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.save	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
XMLElement.parseFromReader	XMLElement	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
DrawApplet.getData	DrawApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
DrawApplet.drawingPanel	DrawApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
DrawApplet.setData	DrawApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
DrawApplet.getDrawing	DrawApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
DrawApplet.setDrawing	DrawApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NetApplet.getData	NetApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NetApplet.drawingPanel	NetApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NetApplet.setData	NetApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NetApplet.getDrawing	NetApplet	org.jhotdraw.xml.NanoXMLLiteDO

Method/Field	Source Class	Target Class
NetApplet.setDrawing	NetApplet	MInput_new_1 org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.stack	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
XMLElement.print	XMLElement	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.objectids	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.save	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.doctype	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.document	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.print	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
NanoXMLLiteDOMOutput.writeStorable	NanoXMLLiteDOMOutput	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
PertApplet.getData	PertApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
PertApplet.drawingPanel	PertApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
PertApplet.setData	PertApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
PertApplet.getDrawing	PertApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
PertApplet.setDrawing	PertApplet	org.jhotdraw.xml.NanoXMLLiteDOMInput_new_1
FloatingTextArea.createOverlay	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.getPreferredSize	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.getText	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.requestFocus	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.editWidget	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.editScrollContainer	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.createOverlay	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1

Method/Field	Source Class	Target Class
FloatingTextArea.setBounds	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.endOverlay	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
FloatingTextArea.view	FloatingTextArea	org.jhotdraw.draw.TextAreaTool_new_1
TextAreaTool.getFieldBounds	TextAreaTool	org.jhotdraw.geom.Insets2DDouble_new_1
PertPanel.addCreationButtonsTo	PertPanel	org.jhotdraw.samples.pert.figures.DependencyFigure_new_1
PertApplicationModel.addCreationButtonsTo	PertApplicationModel	org.jhotdraw.samples.pert.figures.DependencyFigure_new_1
SVGApplet.getData	SVGApplet	org.jhotdraw.samples.svg.SVGPanel_new_1
SVGApplet.setData	SVGApplet	org.jhotdraw.samples.svg.SVGPanel_new_1
SVGApplet.drawingPanel	SVGApplet	org.jhotdraw.samples.svg.SVGPanel_new_1
SVGApplet.getDrawing	SVGApplet	org.jhotdraw.samples.svg.SVGPanel_new_1
SVGApplet.setDrawing	SVGApplet	org.jhotdraw.samples.svg.SVGPanel_new_1
SVGApplicationModel.addAttributesButtonsTo	SVGApplicationModel	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGApplicationModel.addStrokeButtonsTo	SVGApplicationModel	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGPanel.createSelectionActions	SVGPanel	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.basicTransform	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.getPoint	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.handleMouseClick	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.isEmpty	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.read	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.readAttributes	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.setBounds	SVGLine	org.jhotdraw.samples.svg.figures.SVGRect_new_1
SVGLine.write	SVGLine	org.jhotdraw.samples.svg.figures.S

Method/Field	Source Class	Target Class
SVGLine.writeAttributes	SVGLine	VGRect_new_1 org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.basicTransform	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.getBounds	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.isEmpty	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.read	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.readAttributes	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.setBounds	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.write	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGEllipse.writeAttributes	SVGEllipse	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGApplicationModel.addColo rButtonsTo	SVGApplicatio nModel	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGPanel.addCreationButtonsT o	SVGPanel	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGApplicationModel.addCrea tionButtonsTo	SVGApplicatio nModel	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGApplicationModel.createDr awingActions	SVGApplicatio nModel	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGApplicationModel.createSel ectionActions	SVGApplicatio nModel	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGText.TEXT_ANCHOR	SVGText	org.jhotdraw.samples.svg.figures.S VGRect_new_1
SVGText.static	SVGText	org.jhotdraw.samples.svg.figures.S VGRect_new_1
ReversedList.iterator	ReversedList	org.jhotdraw.draw.HandleMulticas ter_new_1
DefaultSDIApplication.createM enuBar	DefaultSDIApp lication	org.jhotdraw.app.action.Actions_ne w_1
DefaultSDIApplication.update OpenRecentMenu	DefaultSDIApp lication	org.jhotdraw.app.action.Actions_ne w_1
DefaultOSXApplication.initApp licationActions	DefaultOSXAp plication	org.jhotdraw.app.DefaultSDIApplic ation_new_1
DefaultOSXApplication.addSta ndardActionsTo	DefaultOSXAp plication	org.jhotdraw.app.action.OSXToggle PaletteAction_new_1

Method/Field	Source Class	Target Class
DefaultOSXApplication.initPalettes	DefaultOSXApplication	org.jhotdraw.app.action.OSXTogglePaletteAction_new_1
DefaultOSXApplication.labels	DefaultOSXApplication	org.jhotdraw.app.action.OSXTogglePaletteAction_new_1
DefaultOSXApplication.prefs	DefaultOSXApplication	org.jhotdraw.app.action.OSXTogglePaletteAction_new_1
DefaultSDIApplication.labels	DefaultSDIApplication	org.jhotdraw.util.prefs.ToolBarPrefsHandler_new_1
DefaultSDIApplication.addStandardActionsTo	DefaultSDIApplication	org.jhotdraw.util.prefs.ToolBarPrefsHandler_new_1
DefaultSDIApplication.wrapProjectComponent	DefaultSDIApplication	org.jhotdraw.util.prefs.ToolBarPrefsHandler_new_1
XMLWriter.write	XMLWriter	org.jhotdraw.xml.NanoXMLDOMOutput_new_2
XMLWriter.write	XMLWriter	org.jhotdraw.xml.NanoXMLDOMOutput_new_2