

Quick UML

Adapter

1(BL)

Target: diagram.tool.AbstractTool

Adapter: diagram.tool.LinkShappingTool

Adaptee: Diagram.diagram

2(BL)

Target: diagram.tool.Tool

Adapter: diagram.tool.AbstractTool

Adaptee:util.WeakList

3(BL)

Target:

Adapter: uml.ui.DiagramContainer\$ExportGIFActionAbstractTool

Adaptee: uml.ui.DiagramContainer

4(BL)

Target: diagram.SelectionModel

Adapter: Diagram.AbstractSelectionModel

Adaptee: util.WeakList

5(BL)

Target: diagram.DiagramModel

Adapter: Diagram.AbstractDiagramModel

Adaptee: util.WeakList

6(BL)

Target: diagram.tool.link

Adapter: diagram.figure.polylink

Adaptee: diagram.figure

7(BL)

Target: acme.ImageEncoder

Adapter: acme.GifEncoder

Adaptee: acme.IntHashtable

8(BL)

Target: diagram.FigureRenderer

Adapter: diagram.DefaultFigureRenderer

Adaptee: diagram.Figure

9(BL)

Target:

Adapter: diagram.DiagramUI\$ModelHandler

Adaptee: diagram.DiagramUI

10(BL)

Target: acme. Diagram.Tool.ToolListener

Adapter: uml.ui.ToolPalette

Adaptee: uml.ui.ToolPalette\$ToolButton

Singleton

1(BL)

Singleton: uml.ui.IconManager

uniqueInstance: private static IconManager instance

Composite

1(BL)

Component: diagram.tool.Tool

Composite: diagram.tool.CompositeTool

Add(Component): add(Tool tool)

Remove(Component): remove(Tool tool)

Operation():addToolListener, addToolListener

2(BL)

Component: diagram.DefaultFigureEditor

Composite: diagram.tool.DefaultLinkEditor

Add(Component): getFigureEditorComponent

Operation():DefaultLinkEditor

Observer

1(BL)

Subject: diagram.tool.AbstractTool

ConcreteSubject: uml.ui.CardinalityTool|...

Observer: diagram.tool.ToolListener

ConcreteObserver: uml.ui.ToolPalette

Proxy

1(BL)

subjectInterface: uml.builder.CodeBuilder

realSubject: uml.builder.RealizationBuilder

proxy: uml.builder.ObjectBuilder

Builder

1

Director: uml.ui.BuildAction

Builder: uml.builder.CodeBuilder

ConcreteBuilder: uml.builder.AssociationBuilder|...

Product: uml.builder.MetaAssociation

Template Method

1(BL)

AbstractClass:acme.ImageEncoder

TemplateMethod: source, invokeStart, invokeStep, invokeEnd

PrimitiveOperation():target, disconnect, connect, setPoint

2(BL)

AbstractClass:diagram.shape.PolyLine2D

TemplateMethod: source, invokeStart, invokeStep, invokeEnd

PrimitiveOperation():target, disconnect, connect, setPoint

3(BL)

AbstractClass:uml.diagram.AbstractLayout

TemplateMethod: source, invokeStart, invokeStep, invokeEnd

PrimitiveOperation():target, disconnect, connect, setPoint

4(BL)

AbstractClass:uml.ui.ExportAction

TemplateMethod: source, invokeStart, invokeStep, invokeEnd

PrimitiveOperation():target, disconnect, connect, setPoint

5(FP)

AbstractClass:uml.ui.PrintableAction

TemplateMethod: source, invokeStart, invokeStep, invokeEnd

PrimitiveOperation():target, disconnect, connect, setPoint

State/Strategy

1(BL)

Context: diagram.Figure

State/Strategy: diagram.DefaultFigureRenderer

2(BL)

Context: diagram.uml.ui.ToolPalette

State/Strategy: diagram.tool.Tool

Command

1(BL)

Command:diagram.DiagramModel.java

ConcreteCommand: diagram.AbstractDiagramModel.java

2(BL)

Command:diagram.SelectionModel.java

ConcreteCommand: diagram.AbstractSelectionModel.java

Prototype

1(BL)

Prototype: `diagram.Figure.java`

ConcretePrototype: `diagram.figures.PolygonFigure.java`

Abstract Factory

1(BL)

Product: `diagram.DefaultFigureRenderer|uml.diagram.ClassRenderer|....`

AbstractProduct: `diagram.FigureRenderer`

BL: Baseline as indicated in our paper