

AbstractIterator
public: AbstractIterator() abstract next() abstract first() abstract boolean isDone() abstract Object currentItem()

Triangle : AbstractShape :
public: Triangle() AbstractShape getMarkedShape() paint() accept() getListOfShapes()

AbstractVisitor
public: AbstractVisitor() abstract void visit(Square s) abstract void visit(Rectangle r) abstract void visit(Circle c) abstract void visit(Triangle t)

AbstractShape
protected: static boolean paintChildren
public: AbstractShape()
protected: int getHeight() int getWidth() int getY() int getX() AbstractSquare getParent() setWidth(int w) setY(int y) setX(int x) setParent(AbstractSquare p) AbstractShape getSibling() setSibling(AbstractShape s)
friendly: paint(Graphics g) abstract accept(AbstractVisitor v) getMarkedShape(int x, int y) getListOfShapes(AbstractList<AbstractShape>)
private: removeOverlap(Rectangle bounds)

AbstractSquare
public: AbstractSquare() abstract accept(AbstractVisitor v) abstract addChild(AbstractShape child) setDepth(int d) int getDepth() abstract boolean hasChildren() abstract AbstractShape getLastChild() abstract AbstractList<AbstractShape> getListOfShapes(AbstractList<AbstractShape>)

Rectangle : AbstractShape :
public: Rectangle() AbstractShape getMarkedShape() paint() accept() AbstractList<AbstractShape> getListOfShapes(AbstractList<AbstractShape>)

ShapeApplet : JApplet : KeyListener, MouseListener, ActionListener
public: ShapeApplet() init() static setOutputText(String s) mouseClicked(MouseEvent evt) mouseEntered(MouseEvent evt) mouseExited(MouseEvent evt) mousePressed(MouseEvent evt) mouseReleased(MouseEvent evt) keyPressed(KeyEvent evt) keyReleased(KeyEvent evt) keyTyped(KeyEvent evt) actionPerformed(ActionEvent evt)
private: makeMenu()

Square : AbstractSquare :
public: Square() AbstractShape getMarkedShape() paint() paintChildren(Graphics g) accept() AbstractList<AbstractShape> getListOfShapes() addChild(AbstractShape child) boolean hasChildren() AbstractShape getLastChild()
protected: setWidth(int w) setHeight(int h)

Marked
public: static AbstractShape instance() static boolean isControlDown() static paint(Graphics g) static markShape(AbstractShape s) static setControlDown() static setControlUp()
private: Marked()

ShapeFactory
public: ShapeFactory() static instance() Square createSquare() SquareProxy createSquareProxy() createCircle() createTriangle() createRectangle()
private: int getMaxSize(AbstractShape s) AbstractSquare getMarkedParent() boolean isTooSmall(AbstractShape s, double width, double height)
create(AbstractShape s)

Circle : AbstractShape :
public: Circle() AbstractShape getMarkedShape() paint() accept() AbstractList<AbstractShape> getListOfShapes()
protected: setWidth(int w) setHeight(int h)

SquareProxy : AbstractShape :
public: SquareProxy() accept(AbstractVisitor v) addChild(AbstractShape child) boolean hasChildren() AbstractShape getLastChild()

ShapePanel : JPanel :
public: applyIterator() applyVisitor() paint() setPaintDefault() setPaintVisitor() setPaintIterator() markedClickedShape(MouseEvent evt) makeTestShapes(int number)