

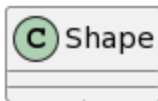
**C** Line

- Line()
- Line(x1:string, x2:string, y1:string, y2:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string



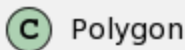
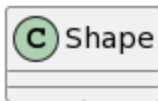
## Memento

- Memento()
- AddHistory(memento:string) : void
- Undo() : string
- Redo() : string
- clearRedoList() : void
- getHistory() : ArrayList
- printHistory() : void

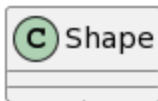


**C** Path

- Path()
- Path(path:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string

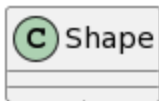


- Polygon()
- Polygon(points:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string



**C** Polyline

- Polyline()
- Polyline(points:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string



**C** Rectangle

- Rectangle()
- Rectangle(x:string, y:string, height:string, width:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string

## **I** *Shape*

setFill(fill:string) : void

getFill() : string

setStroke(stroke:string) : void

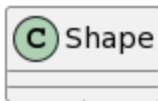
getStroke() : string

setStrokeWidth(strokewidth:string) : void

getStrokeWidth() : string

getShapeAttribute1() : string

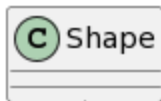
getShapeAttribute() : string



**C** Square

- Square()
- Square(x:string, y:string, height:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string



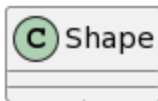


**C** Text

- Text()
- Text(x:string, y:string, font:string, className:string, text:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string

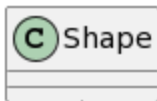
## Canvas

- Canvas()
- AddShape(shape:string) : void
- ShapesDrawnList() : void
- GetShapeDrawnList() : string
- DeleteShape(del:string) : void
- RemoveShape() : void
- ClearCanvas() : void
- UpdateShapeName(shape:string) : string
- UpdateShapeAttributes(index:int, shapeUpdate:string) : void
- removeExtra(index:int) : void
- ChangeShapeZindex(shape:string, zindex:string) : void
- SwapZindexes(zindex1:string, zindex2:string) : void



**C** Circle

- Circle()
- Circle(cx:string, cy:string, r:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string



**C** Ellipse

- Ellipse()
- Ellipse(cx:string, cy:string, rx:string, ry:string)
- setFill(fill:string) : void
- getFill() : string
- setStroke(stroke:string) : void
- getStroke() : string
- setStrokeWidth(strokewidth:string) : void
- getStrokeWidth() : string
- getShapeAttribute() : string
- getShapeAttribute1() : string

