## **IShape** + color + ~IShape() + changeSize() + isContains() + changeColor() + setNewPos() + showSelected() + showUnSelected() + drawOnScene() + ismovable() + setMovable() and 10 more... GroupComposite + scene CustomShape + color + view # size # x # y # shapes # shapeCreator + changeColor() + ~GroupComposite() + saveToFile() + changeColor() + getShapesToUngroup() + CustomShape() + setShapeCreator() + removeFromScene() + loadFromFile() + GroupComposite() + changeSize() + saveToFile() + getMapFromScene() + removeFromScene() + isContains() + changeSize() and 13 more... + isContains() and 13 more...

### MyCircleItem

- + getType()
- + MyCircleItem()
- + boundingRect()
- + paint()
- + loadFromFile()

# MyLineItem

- + getType()
- + MyLineItem()
- + boundingRect()
- + changeSize()
- + paint()
- + showSelected()
- + showUnSelected()
- + loadFromFile()

#### MySquareItem

+ getType()

+ scene

+ color

# size

+ clone()

+ getType()

+ getRect()

# x

# y

- + MySquareItem()
- + boundingRect()
- + paint()
- + loadFromFile()

#### MyTrapezoidItem

- + getType()
- + MyTrapezoidItem()
- + changeSize()
- + boundingRect()
- + paint()
- + loadFromFile()

### MyTriangleItem

- + getType()
- + MyTriangleItem()
- + boundingRect()
- + paint()
- + loadFromFile()