UML Diagram - FunWithShapes
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ShapeHandler

- Vector<ShapeDescription> shapeDescriptions
- Vector<Shape> shapes

+ ShapeHandler()
+ convertDescriptionsToShapes()
+ sumOverAreas()
+ sumOverPerimeters()

FunWithShapes

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ShapeDescription

- ShapeTypes shapeType
- Vector<double> doubles

+ ShapeDescription(String line)
+ getShapeType()
+ getDoubles()

ShapeException

+ ShapeException()
+ ShapeException(String description)

Shape

+ Shape(ShapeDescription)
+ getArea()
+ getPerimeter()

Circle

Square

Rectangle

Triangle

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