Quilt Project

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Shape

+ Name:string
+ Color:string
+ Area:decimal

+ getArea(decimal side):decimal
+ getArea(decimal length, decimal width):decimal
+ getArea(decimal a, decimal b, decimal c):decimal

0..* 0..* 0..*

Square

+ Name:string = "Square"
+ Color:string
- side:decimal

+ CreateSquare(string color, decimal side):Square

0..*

0..*

Rectangle

+ Name:string = "Square"
+ Color:string
- length:decimal
- width:decimal

+ CreateRectangle(string color, decimal length, decimal width):Rectangle

0..*

+0..* 0..*

Triangle

+ Name:string = "Triangle"
+ Color:string
- a:decimal
- b:decimal
- c:decimal

+ CreateTriangle(string color, decimal a, decimal b, decimal c):Triangle