InverseCalculationModel

+ inverse(Double): Double

SquaredCalculationModel

+ squared(Double): Double

SimpleCalculationsModel

+ userInterface: UserInterface

+ addition(Double, Double): Double
+subtraction(Double, Double): Double
+multiplication(Double, Double): Double
+division(Double, Double): Double

SquareRootCalculationModel

+ squareRoot(Double): Double

UserInterface

- userInputValue: Double
-operandvalue: String
-scanner: Scanner

+ captureUserInputValue(Double): Double
+ setUserInputValue(): Double
+setUserOperandValue(): String
+captureOperandValue(String): String

Display

+currentDisplayValue: Double

+ setCurrentDisplayValue(Double): void
+getCurrentDisplayValue(Double):void
+clearDisplay():void

Controller

-SimpleCalculationsModel: SimpleCalculationsModel
-SquaredCalculationModel: SquaredCalculationModel
-SquareRootCalculationModel: SquareRootCalculationModel
-displayModel: Display
-userInterface: UserInterface
-operand: String
-inputFirstValue: Double
-inputSecondValue: Double

+ runCalculator(): void