model

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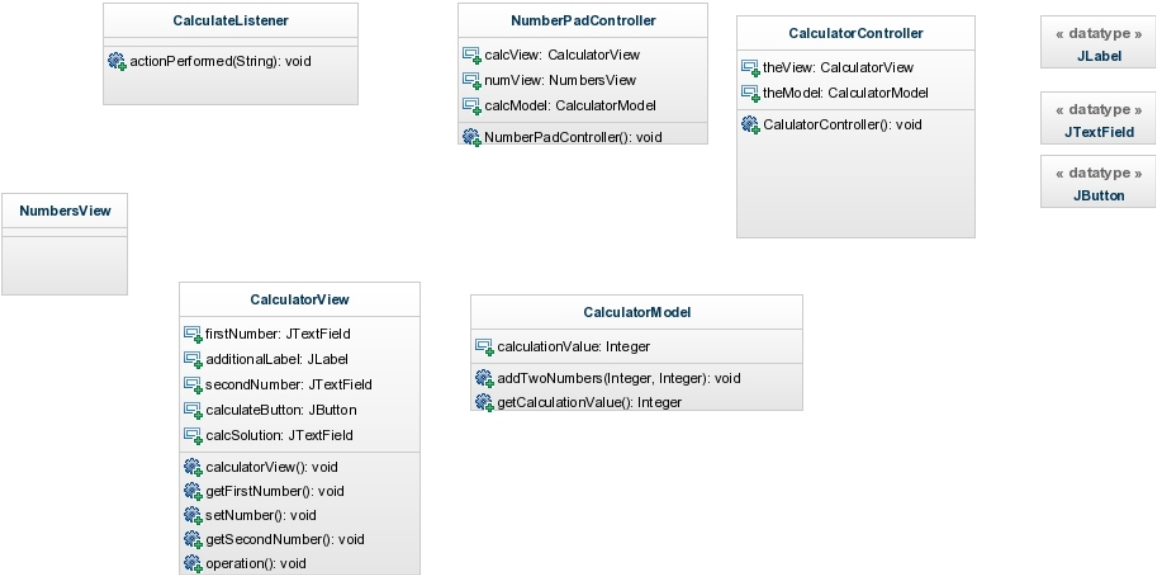
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1. Overview

1.1 Model Description

1.2 Diagrams

CalculateListener

- actionPerformed(String): void

NumberPadController

- calcView: CalculatorView
- numView: NumbersView
- calcModel: CalculatorModel
- NumberPadController(): void

CalculatorController

- theView: CalculatorView
- theModel: CalculatorModel
- CalulatorController(): void

« datatype »
JLabel

« datatype »
JTextField

« datatype »
JButton

NumbersView

CalculatorView

- firstNumber: JTextField
- additionalLabel: JLabel
- secondNumber: JTextField
- calculateButton: JButton
- calcSolution: JTextField
- calculatorView(): void
- getFirstNumber(): void
- setNumber(): void
- getSecondNumber(): void
- operation(): void

CalculatorModel

- calculationValue: Integer
- addTwoNumbers(Integer, Integer): void
- getCalculationValue(): Integer

2 Classifiers

2.1 Class CalculatorController

2.1.1 Attributes

- **theView** : CalculatorView [1]

- **theModel** : CalculatorModel [1]

2.1.2 Generalizations
None
2.1.3 Operations

- Void **CalulatorController** ()

2.2 Class CalculatorView

2.2.1 Attributes

- **firstNumber** : JTextField [1]

- **additionalLabel** : JLabel [1]

- **secondNumber** : JTextField [1]

- **calculateButton** : JButton [1]

- **calcSolution** : JTextField [1]

2.2.2 Generalizations
None
2.2.3 Operations

- Void **calculatorView** ()

- Void **getFirstNumber** ()

- Void **setNumber** ()

- Void **getSecondNumber** ()

- Void **operation** ()

2.3 Class CalculatorModel

2.3.1 Attributes
- **calculationValue** : Integer [1]

2.3.2 Generalizations
None

2.3.3 Operations

- Void **addTwoNumbers** (parameter : Integer, parameter2 : Integer)

- Integer **getCalculationValue** ()

2.4 Class CalculateListener

2.4.1 Attributes
No additional attributes

2.4.2 Generalizations
None

2.4.3 Operations

- Void **actionPerformed** (parameter : String)

2.5 Class NumberPadController

2.5.1 Attributes

- **calcView** : CalculatorView [1]

- **numView** : NumbersView [1]

- **calcModel** : CalculatorModel [1]

2.5.2 Generalizations
None

2.5.3 Operations

- Void **NumberPadController** ()

2.6 Class NumbersView

2.6.1 Attributes
No additional attributes

2.6.2 Generalizations
None

2.6.3 Operations
No additional operations