Universal Parabolic Constant

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Chapter 1

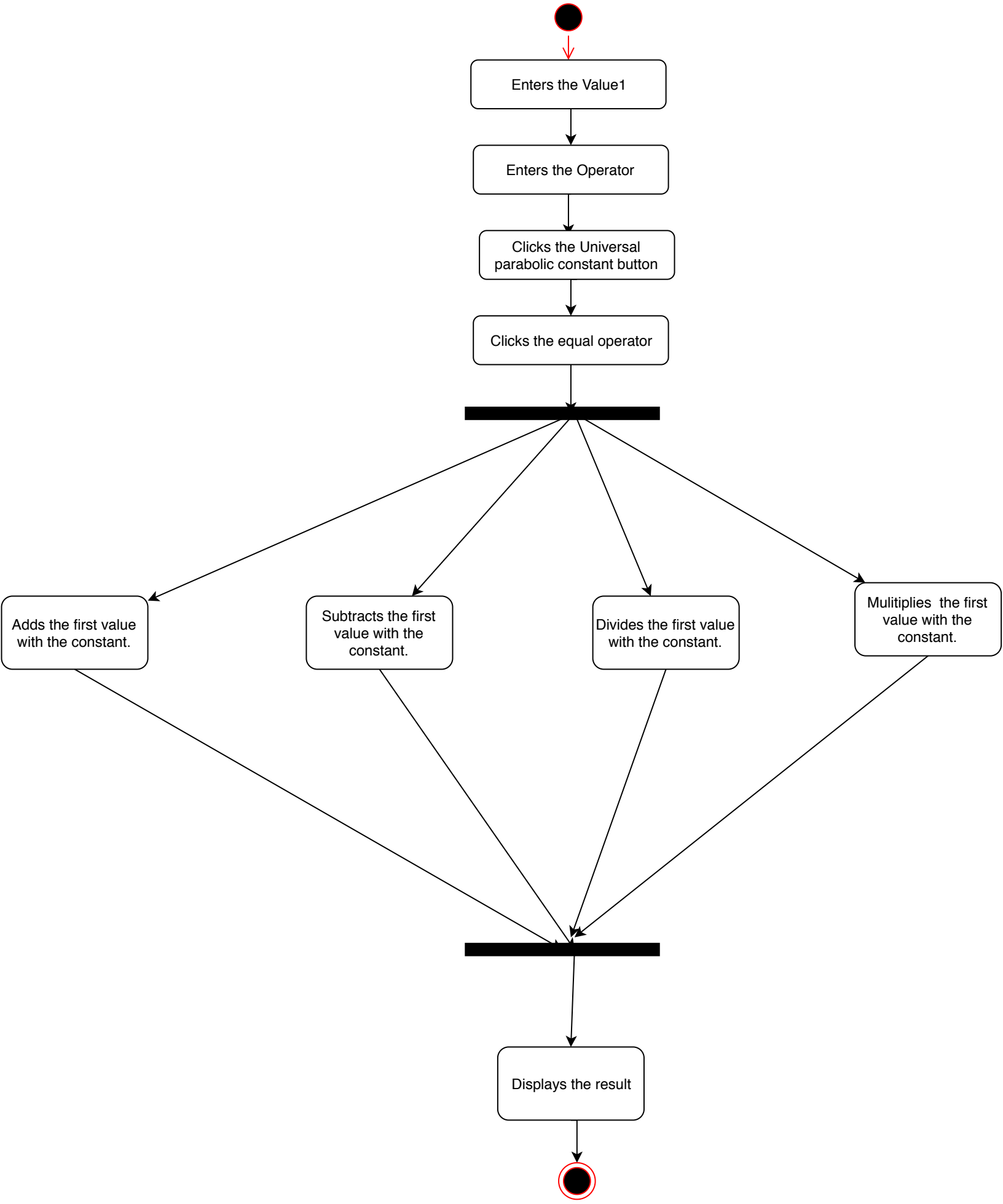
Activity Diagram

1.1 Description

The user enters the operands and the operator. Here, we have considered universal parabolic constant as the second operand. Once the user clicks equal operator, corresponding operations will be performed on operands.

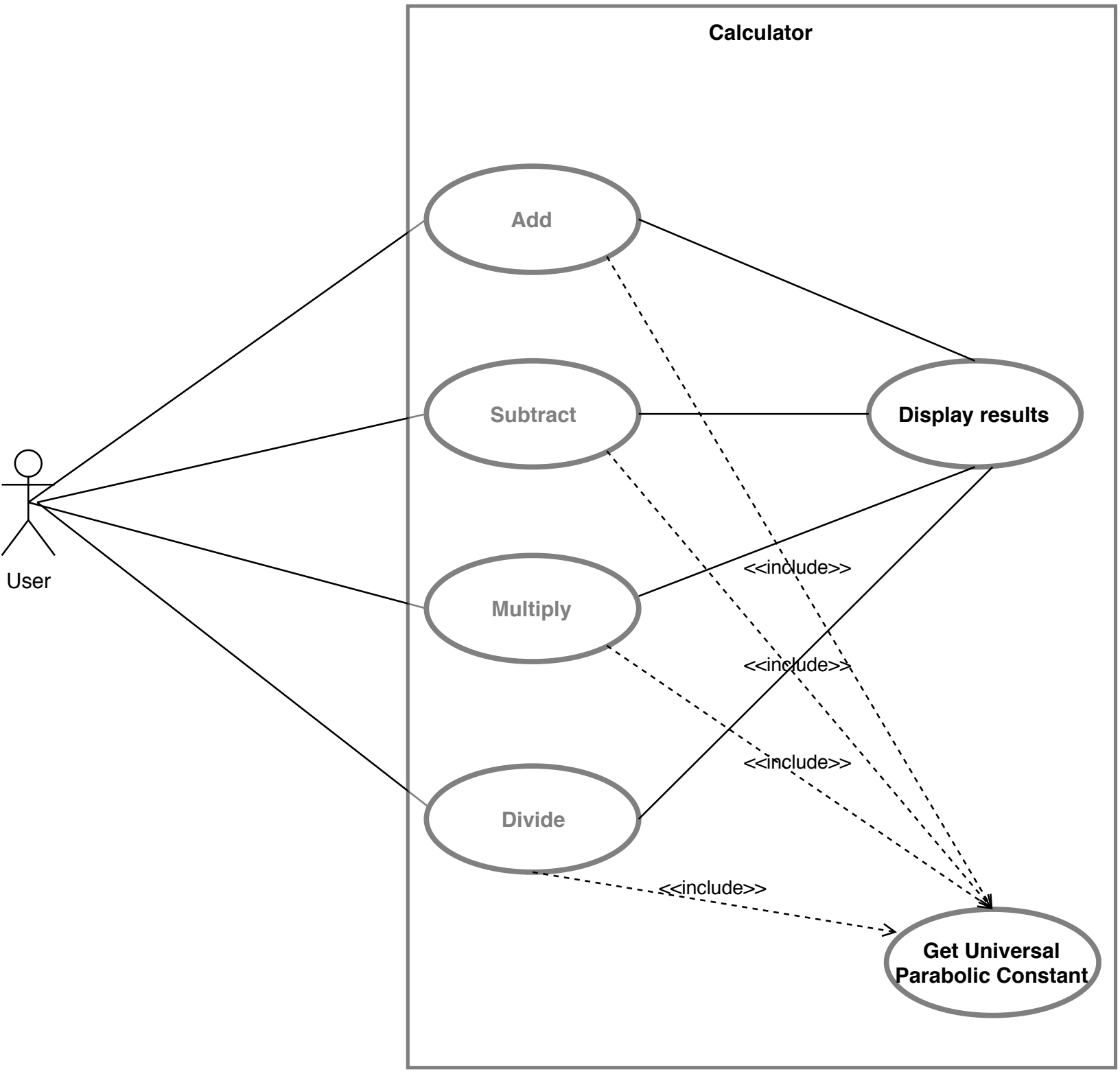
- If the user selects the "Add" function then the first and constant value will be added
- If the user selects the "Subtract" function then the constant will be subtracted from the first number.
- If the user selects the "Multiply" function then the first and constant value will be Multiplied
- If the user selects the "Divide" function then the first will be divided by the constant.

Finally, results will be displayed.


Enters the Value1
Enters the Operator
Clicks the Universal parabolic constant button
Clicks the equal operator
Adds the first value with the constant.
Subtracts the first value with the constant.
Divides the first value with the constant.
Mulitiplies the first value with the constant.
Displays the result

Chapter 2

Use Case Diagram


Calculator
Add
Subtract
Multiply
Divide
Display results
Get Universal Parabolic Constant
<<include>>
<<include>>
<<include>>
<<include>>
User

2.1 Description

- The goal of the "Add" Use case is to add the two numbers.
- The goal of the "Sub" Use case is to subtract the two numbers.
- The goal of the "Multiply" Use case is to Multiply the two numbers.
- The goal of the "Divide" Use case is to divide the two numbers.
- The goal of the "Get Universal Parabolic Constant" Use case is to get the constant.

Finally, the goal of the "Display" use case is to display the results of the calculation.