Use Case Documents Example

Name of Use Case: Math Calculator
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Description:	User uses the calculator program to test their arithmetic skills using the addition, subtraction, multiplication, division, and power math operations. After the user uses each math operator, the system will output the correct answer of their desired calculation.
Actor:	User
Preconditions:	1. User must launch program 2. User must enter a valid integer value 3. User must enter a valid math operator
Postconditions:	1. On successful completion, a single output string will show both integer values, the math operator, and the result of the calculation. 2. User will land on the main menu screen
Flow:	1. User will launch main program 2. User will be presented with a main menu 3. User must select calculator program from menu 4. User will be asked to enter their first integer value 5. User will enter in any integer value 6. User will be asked to enter in a math operator based on a presented list of valid operators 7. User will enter in a valid math operator 8. User will be asked to enter their second integer value 9. System will output the entire math equation including the calculated result 10. Main menu will be presented 11. User can start a new calculation or exit program
Alternative Flows:	none
Exceptions:	1. In Step #4 and Step #8, if user enters in a non-integer value

	1. Error message will appear and ask for a valid number 2. Program will exit if second non-integer value is entered 2. In Step #6, if user enters in a non-math operator 1. Error message will appear and ask for a valid math operator 2. Program will exit if second non-math operator is entered
Requirements:	The following requirements must be met before execution of the use case: 1. Execute latest version of the program 2. Valid integer entered on Step #4 and Step #8 3. Valid math operator entered on Step #6