Test Documentation

MEC - Mathematical Expression Calculator

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Software Test Documentation

PURPOSE: Testing was performed to check the functionality of application. The testing was carried out by feeding input and validating the output from the application.

TESTERS: Testing Team. (Thamer Seyab & Chris Perry)

ITEMS TO BE TESTED:

Item to Test	Test Description	Test Date
Variables	Able to receive & assign up to 4 variables	10/28/17
Math Expression	Able to take in a math expression	11/12/17
Addition	Able to calculate a math expression dealing with addition (with or without variable(s).	11/12/17
Subtraction	Able to calculate a math expression dealing with subtraction (with or without variable(s).	11/12/17
Multiplication	Able to calculate a math expression dealing with multiplication (with or without variable(s).	11/12/17
Division	Able to calculate a math expression dealing with division (with or without variable(s).	11/12/17
Modulo	Able to calculate a math expression dealing with remainder (with or without variable(s).	11/12/17

TEST APPROACH:

The testing was done in Netbeans IDE, since no GUI was developed. The test team input data and results were displayed within the Output Window in Netbeans.

TEST LOG:

Item to Test	Example	Expected Result(s)	Pass/Fail
Variables	Input: 3	a: __ b: __ c: __	Pass
Math Expression	2+2 3/2	=4 =1.5	Pass
Addition	2+a; when a=3	=5	Pass
Subtraction	c-5; when c=15	=10	Pass
Multiplication	a*b; when a=4, b=5	=20	Pass
Division	20/d; when d=4	=5	Pass
Modulo	10%a; when a=3	=1	Pass