

ID	Priority	Detected on	Status	Description	Steps to Reproduce	Expected Result	Observed Result	Affected Test Cases
High		07.02.2024	Fixed	The system does not correctly handle arithmetic involving negative numbers, particularly for subtraction and addition operations.	<ul style="list-style-type: none"> * Access the online calculator * Enter a negative number for the first operand (e.g. -42) * Select the subtraction operation. * Enter a second negative number, greater than the first (e.g. -43) * Check the result 	The result should be the addition of the first number with the positive value of the second (e.g.: $-42 + 43 = 1$).	The system does not recognize the subtraction of a negative number. Apparently, the calculator interprets "--" as text.	<ul style="list-style-type: none"> * A negative minus B same as A * A negative minus B smaller than A
Critical		12.01.2024	Validated	The calculator crashes when performing a division by zero.	<ul style="list-style-type: none"> * Access the online calculator * Enter any number as operand (e.g. 9) * Select the division operation * Enter "0" as second operand * Check the result 	The calculator should display "Infinity" or "-Infinity" depending on the sign of the first number.	The application freezes. You have to close the browser to restart the calculator.	* A_one_digit-divided_by-B_zero
Low		12.01.2024	Fixed	Incorrect test case. The expected result for zero divided by zero shall be "NaN" (Not a Number) which is also observed.	<ul style="list-style-type: none"> * Access the online calculator * Enter the number "0" as the first operand * Select the division operation * Enter "0" as second operand * Check the result 	The system should display "NaN" to indicate that division by zero is an indefinite operation.	The system displays "NaN" correctly, but the expected result defined in the test case is incorrectly specified as "1".	* A_zero-divided_by-B_zero