

Company:		AD Porfolio									
Project		AD Porfolio									
Priority:		1									
Version:		1.0									
Test Designed Date:		1/14/2023									
Test Execution Date		1/15/2023									
Tester:		Alex Downer									
Simple Calculator Application											
Test ID#	Status	Test Cases	Test Data Set	Test Steps	Expected Results	Actual Results	Bug Identified	Defect Identified	Notes		
Test_1	PASS	Verify that the calculator can perform basic arithmetic operations (addition, subtraction, multiplication, and division) and return the correct results		1. <b>Navigation:</b> Navigate to "https://www.theonlinecalculator.com/" Website then locate calculator GUI	a. [5+5] = <b>10</b>	Same					
			a. [5+5]	2. <b>Addition:</b> on the calculator GUI select 5 followed by addition sign "+" followed by another 5 then press enter		Same					
			b. [10-5]	3. <b>Subtraction:</b> on the calculator GUI select 10 followed by the subtraction sign "-" followed by 5 then press enter	b. [10-5] = <b>5</b>	Same					
			c. [5*5]	4. <b>Multiplication:</b> on the calculator GUI select 5 followed by mutiplication sign "*" followed by another 5 then press enter	c. [5*5] = <b>25</b>	Same					
			d. [20/5]	5. <b>Division:</b> on the calculator GUI select 20 followed by division sign "/" followed by 5 then press enter	d. [20/5] = <b>4</b>	Same					
Test_2	PASS	Verify that the calculator can perform more advanced mathematical operations (square root, square, displaying pie as [π= 3.141592654], and rounding up/down to two/one decimal place) and return the correct results	a. [√25]	1. <b>Square-root:</b> on the calculator GUI select 25 followed by the square root sign "√x"	a. [√25] = <b>5</b>	Same					
			b. [5²]	2. <b>Square:</b> on the calculator GUI select the square sign "X²" followed by pressing 5	b. [5²] = <b>25</b>	Same					
			25	3. <b>Percentage:</b> on the calculator GUI select 25 followed by the percentage sign "%"	% of 25 = <b>0.25</b>	Same					
			N/A	4. <b>Pie:</b> on the calculator GUI press "π"	Displays the value of π as <b>3.141592654</b>	Same					
			A. 25.888, B.25.123	5. <b>A. Round up two decimal places:</b> on the calculator GUI select 25.888 then press the "R2", <b>B. Round up two decimal places:</b> select 25.123 then press the "R2"	A. 25.888 [R2] = <b>25.89</b> , B. 25.123 [R2] = <b>25.12</b>	Same					
			A. 25.888, B.25.123	6. <b>A. Round up one decimal places:</b> on the calculator GUI select 25.888 then press the "R0", <b>B. Round down one decimal places:</b> select 25.123 then press the "R0"	A. 25.888 [R0] = <b>26</b> , B. 25.123 [R0] = <b>25</b>	Same					
Test_3	PASS	Verify that the calculator can handle decimal numbers and return the correct results for calculations involving decimals	a. [5.5+5.5]	1. <b>Adding decimal numbers:</b> on the calculator GUI select 5.5 followed by the addition sign "+" then selct 5.5 again	a. [5.5+5.5] = <b>11</b>	Same					
			b. [10.5-5.5]	2. <b>Subtracting decimal numbers:</b> on the calculator GUI select 5.5 followed by the subtraction sign "-" then select 5.5 again	b. [10.5-5.5] = <b>5</b>	Same					
			c. [5.5*5.5]	3. <b>Multiplying decimal numbers:</b> on the calculator GUI select 5.5 followed by the multiplication sign "/" then select 5.5	c. [5.5*5.5] = <b>30.25</b>	Same					
			d. [20.5/5.5]	4. <b>Dividing decimal numbers:</b> on the calculator GUI select 20.5 followed by the division sign "/" then select 5.5	d. [20.5/5.5] = <b>3.7272727273</b>	Same					
Test_4	PASS	Verify that the calculator can handle negative numbers and return the correct results for calculations involving negative numbers	a. [-5+5]	1. <b>Adding negative numbers:</b> on the calculator GUI select -5 followed by the addition sign "+" then selct 5 again	a. [-5+5] = <b>0</b>	Same					
			b. [-10-5]	2. <b>Subtracting negative numbers:</b> on the calculator GUI select -10 followed by the subtraction sign "-" then select 5 again	b. [-10-5] = <b>-15</b>	Same					
			c. [-5*5]	3. <b>Multiplying negative numbers:</b> on the calculator GUI select -5 followed by the multiplication sign "*" then select 5	c. [-5*5] = <b>-25</b>	Same					
			d. [-20/5]	4. <b>Dividing negative numbers:</b> on the calculator GUI select -20 followed by the division sign "/" then select 5	d. [-20/5] = <b>-4</b>	Same					
Test_5	PASS	Verify that the calculator can handle large numbers and return the correct results for calculations involving large numbers.	a. [123,456,789+1,000,000]	1. <b>Adding negative numbers:</b> on the calculator GUI select 123,456,789 followed by the addition sign "+" then select 1,000,000 then press enter	a. [123,456,789+1,000,000] = <b>124,456,789</b>	Same					
			b. [123,456,789-1,000,000]	2. <b>Subtracting negative numbers:</b> on the calculator GUI select 123,456,789 followed by the subtraction sign "-" then select 1,000,000 then press enter	b. [123,456,789-1,000,000] = <b>122,456,789</b>	Same					
			c. [123,456,789*1,000]	3. <b>Multiplying negative numbers:</b> on the calculator GUI select 123,456,789 followed by the multiplication sign "/" then select 1,000,000 then press enter	c. [123,456,789*1,000] = <b>123,456,789,000,000</b>	Same					
			d. [123,456,789/1,000,000]	4. <b>Dividing negative numbers:</b> on the calculator GUI select 123,456,789 followed by the division sign "/" then select 1,000,000 then press enter	d. [123,456,789/1,000,000] = <b>123.456789</b>	Same					