

Testing Various functionalities of Tip Calculator application

Project Name: Tip Calculator Application

Technology Used: .NET 6.0 windows Form and C#

Things to Know before using the App:

1. Tip Calculator is developed in such a way that it only takes numeric be it integer or decimal values in Bill Amount section and Tip Percentage Section.
2. Maximum Tip % is capped to 100%. Any value above 100% gives message to lower the tip %.
3. Number of People section only accepts non negative integer values.
4. Clear Button is used to reset the last entry.
5. use Calculate button to calculate tip amount
6. + and – buttons increments and decrements by 1 respectively.

Test Designed by: Abhishek Jha

Test Designed date: 23/01/2022

Test Executed by: Abhishek Jha

Test Execution date: 23/01/2022

No.	Test Case - ID	Test case Objective	Prerequisite	Steps	Input data	Expected Result	Actual Result	Remarks/ Status
1.	TC1	Testing the bill amount section	Tip Calculator should be launched	Enter the different values from keyboard	Any key from keyboard	Bill amount section will only accept non negative decimal values	Only decimal values accepted	Pass
2.	TC2	Testing the bill amount section (Increment button)	Tip Calculator should be launched	Press the increment button next to bill amount section	We can either input values in bill amount section but it is not mandatory	Increments the value of bill amount section by 1.	Value in the bill amount section incremented	Pass

3.	TC3	Testing the bill amount section (Decrement button)	Tip Calculator should be launched	Press the Decrement button next to bill amount section	We can either input values in bill amount section but it is not mandatory	Decrements the value of bill amount section by 1.	Value in the bill amount section Decremented. 2.Value should only decrement till 0.	Pass
4.	TC4	Testing the Tip percentage section	Tip Calculator should be launched	Type The value in the keyboard. It only accepts non negative decimal values	Non negative decimal input	Tip Percent section only accepts Non negative decimal values	As Expected	Pass
5.	TC5	Testing the Tip Percent section (Increment button)	Tip Calculator should be launched	Press the increment button next to Tip % section	Does Not require any input values. (Optional to input in Tip% section)	Increases tip % by 1. 2.But only increments till 100%	As Expected	Pass
6.	TC6	Testing the Tip Percent section (Decrement button)	Tip Calculator should be launched	Press the Decrement button next to Tip % section	Does Not require any input values. (Optional to input in Tip% section)	Decrements tip % by 1. 2.But only Decrements till 0%.	As Expected	Pass

7.	TC7	Testing the Number of People section	Tip Calculator should be launched	Enter the value in no. Of people section	We can press any key but it only accepts non negative integer values	If value entered is non negative integer it is displayed	As Expected	Pass
8.	TC8	Testing the Number of People section (Increment button)	Tip Calculator should be launched	Press the + button provided next to No. Of People	Does Not require any input values. (Optional to input in No. Of People section)	Increments No. Of People section value by 1.	As expected	Pass
9.	TC9	Testing the Number of People section (Decrement button)	Tip Calculator should be launched	Press the - button provided next to No. Of People	Does Not require any input values. (Optional to input in No. Of People section)	Decrements No. Of People section value by 1.	As expected	Pass
10.	TC10	Testing the Calculate button	Tip Calculator should be launched	Input valid values in Bill amount, Tip% and No. of people section Press Calculate	1. Calculates the tip to be paid per person. 2. Also Calculates total amount to be paid by per person.	Values displayed in respective sections	As expected	Pass

11.	TC11	Testing the Clear button	Tip Calculator should be launched	Press the clear button	NA	Resets the data in bill amount, Tip% and No. Of people to 0	As expected	Pass
12.	TC12	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 0 Tip %:0 No.Of People:1	Tip Per Person: 0 Total Per Person: 0	Tip Per Person:0 Total Per Person:0	Pass
13.	TC13	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 999 Tip %:112 No.of People:2	Message showing Tip % cannot be more than 100%	As expected	Pass
14.	TC14	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 990 Tip %:50 No.of People:5	Tip Per Person: 99 Total Per Person: 297	Tip Per Person: 99 Total Per Person: 297	Pass
15.	TC15	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 990.5 Tip %:12.5 No.Of People:6	Tip Per Person: 20.635 Total Per Person: 185.718	Tip Per Person: 20.635 Total Per Person: 185.718	Pass

16.	TC16	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 0 Tip %:50 No.Of People:2	Tip Per Person: 0 Total Per Person: 0	Tip Per Person:0 Total Per Person:0	Pass
17.	TC17	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 125 Tip %:0 No.Of People:5	Tip Per Person: 0 Total Per Person: 25	Tip Per Person:0 Total Per Person: 25	Pass
18.	TC18	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 125 Tip %:10 No.Of People:0	Message to increase number of people	Message to increase number of people	Pass
19.	TC19	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column 2.Press Calculate	Bill amount: 1000 Tip %:50 No.Of People:8	Tip Per Person: 62.5 Total Per Person: 187.5	Tip Per Person: 62.5 Total Per Person: 187.5	Pass
20.	TC20	Testing Functionality of Tip Calculator	Tip Calculator should be launched	1.Enter the data given in input data column	Bill amount: 140.44 Tip %:16.4 No. of People:2	Tip Per Person: 11.516 Total Per Person: 81.736	Tip Per Person: 11.516 Total Per Person: 81.736	Pass

				2.Press Calculat e				
--	--	--	--	--------------------------	--	--	--	--