**Test Cases for Tip calculator:**

1. Check if it takes the user’s input.
2. The Bill amount must accept numbers only.
3. The Bill amount should be positive numbers only.
4. If user enters a negative amount, it should display an error message.
5. Verify that all buttons are present and text written on them is readable.
6. Check the spacing between the two buttons.
7. By default, the input as well as the output values should be 0.
8. The input values should be in the center of the text box.
9. Entering the value manually, must not display the result.
10. On pressing **+** button, it must increase the value.
11. On pressing **-** button, it must decrease the value.
12. The value of Tip % must not be more than 100.
13. If the user increases the value 100, it should reset the value to 100 again.
14. The value of Tip % must not be less than 0.
15. If the user decreases the value 0, it should reset the value to 0 again.
16. Number of people must not be less than 0.
17. Maximum Number of people must can be any number more than 0.
18. In case, entered wrong amount in Bill, user can delete the values using backspace key.
19. Total Bill must be the sum of Bill and the Tip %.
20. The output must display $ symbol followed by the value.
21. Correct output should be displayed.

For example,

i) if Bill is 500, Tip % 10% and the Number of people is 2,

Output should be:

Tip per person: $25

Total per person: $275

ii) if Bill is 600, Tip % 6% and the Number of people is 11,

Output should be:

Tip per person: $ 3.272727272727273

Total per person: $ 57.81818181818182