**Tip Calculator test cases**

1. Check if the calculator is a tip calculator or a normal calculator.
2. Check for negative numbers if allowed for numeric fields.
3. Check the number of fields with decimal numbers values.
4. Input data with the first and last position blank should be handled correctly.
5. Field labels should be standard e.g. field accepting amount should be labeled properly as ‘Enter amount’.
6. Check all input fields for special characters.
7. Check the arithmetic function are working fine or not.
8. Verify that the calculator gives the correct result in case of operations containing decimal numbers.
9. Verify that split person should be at least one.
10. Verify the limit of the response value(i.e tip%)
11. Verify if the user can delete digits one by one using the backspace key.
12. Verify if the user can change the tip% and split person values by using typing or up-down button.
13. Verify tip%, Bill Amount and number of person are an input values and they are changeable.
14. Verify the result of the functions are static according to input values.
15. Verify if the inputs are not numeric then result will showing None(i.e NaN).
16. Verify reset functionality should set default values for all field except Bill Amount.
17. Check all input fields for special characters.
18. Check if the default window size is correct.
19. Check window minimize, maximize and close functionality.
20. Check if the window is re-sizable.

**GUI And Usability Scenarios**

* All fields on a page (i.e text box, up-down button) Should be aligned properly.
* Numeric values should be justified correctly unless specified otherwise.
* Enough space should be provided between field labels, text box, error message,etc.
* Font size, style and color for heading labels, infield data info should be standardized.
* Upon click of an input text field, the mouse arrow pointer should get changed to the cursor.
* Tab and Shift+Tab order should work properly.