**Tip Calculator Test Cases :-**

1. According to the requirement the application should contain :-

Three input boxes

(a). Bill

(b).Tip

(c). Number ( Number of people )

(Tip and Number input box containig decrement button on its left side and increment button on right side)

There should be two output displayed by application .

(a). Tip Per Person

(b).Bill Per Person

2. A proper use of classes should be there in code so that in future if there is any requirement of new functionality it can be easily added by the help of inheritance.

3 . The output fields :-

(a). Tip per person (b). Bill perPerson

Their value should be fixed upto 2 decimal places as user have to give money according to them.

4. The Bill input box should only accept positive integers and positive decimal numbers .

5 . In Bill input box if any other number other then positive real number would be enterd by the user then proper Exception warning should be shown and calculator would not give inappropriate result for inappropriate inputs.

6. The increment and decrement buttons of Tip input box should work properly.

7. The decrement button of Tip input box should not reduce the value below 0 and if user do this a proper exception message should be shown .

8. The Tip input box should only accept positive integers and positive decimal numbers .

9. If user would enter any negative real number a proper exception warning should be displayed for it and application should not give inappropriate results.

10. If user left Bill ,Tip , Number of persons input boxes empty a proper exception warning is displayed for it and application should not give inappropriate results .

11. The increment and decrement buttons of Number input box should work properly .

12. The decrememt button should not decrease the value of number of people below 1 and give proper warning of the exception to the user .

13. If user enter 0 manuually in Number of people input box , The proper warning of the exception is shown and application should not display inappropriate results .

14. If user give any negative number mannually , the proper Exception warning should be shown and application should not display inappropriate results .

15. If exception warning is issued in any one input box and user clicks on any other input box the application should not show any result and display warning to clear the exception which arrived earlier .

16 . The Proper use of Oops concepts should be there in code and DRY( Do Not Repeat Yourself ) approach must be followed.

17 . As this calculator would be used by a resturant chain Globally a functionality to change currency symbol according to country should be there .

18 . The User interface should be clear and impressive and all input boxes and elements are alligned in a proper order .

19 . It’s good that application should show Exception warning below that input field in application where a inappropriate input is given by user .

20. If there is an exception in bill input box and user is pressing increment and decrement buttons of Tip and Number boxes , the application should not give inappropriate output and shows a proper warning to the user .

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