Assignment 6

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Batch :- CSE

Subject :- Software testing for business
management

Case study of test cases for all calculator in
windows application.

A) Test Case : Testing all operations in calculator
windows application.

Functional Operations :

Addition (+)

Substraction (-)

Multiplication (*)

Division (/)

Non-Functional Operations :

1) User Interface (UI) Responsiveness

2) Calculate Speed.

Test steps :-

1) Launch the calculator application

2) Verify that the application's user interface loads without errors or delays. (Pass / Fail)

3) Perform addition: Enter $5+7$, press `=`.
   Verify that the result is 12 (Pass / Fail)

4) Perform substraction: Enter $10-3$, press `=`.
   Verify that the result is 7. (Pass / Fail)

5) Perform multiplications: Enter 4×6 press `=`.
   Verify that the result is 24 (Pass / Fail)

6) Perform division: Enter $15/3$, press `=`.
   Verify that the result is 5. (Pass / Fail)

7) Perform division by zero: Enter any number 10, press `=`. Verify that the calculator displays an error message (Pass / Fail)

8) Perform a complex calculation: Enter $(10+3)*$ 2-7, press `=`. Verify that the result is 19

9) Test UI responsiveness by quickly entering numbers and operations. Verify that the application responds smoothly (Pass/Fail)

10) Test calculation speed by entering a large number of digits and performing an operation. Verify that the calculation completes in a reasonable time (Pass/Fail)

11) Let close the calculator application