TestShell studio – Calculator example test

General

The purpose of this test is to show a basic studio test as a work reference.

Test description

This test simulates a simple calculator, supporting basic operations (addition, subtraction, multiplication and division).

The user is promoted to insert the required operation as a string in the format 'Number1 Operation number2', e.g. '3+7' or '2.2*4'.

The input string is parsed into parameters and the calculation is done according to these parameters.

The whole process is called in a while running until the user selects to exit.

TestShell modules used in the test

While: in "do – while" format, running until exit flag is true

Transformation: used "regular expression" and "custom transformation"
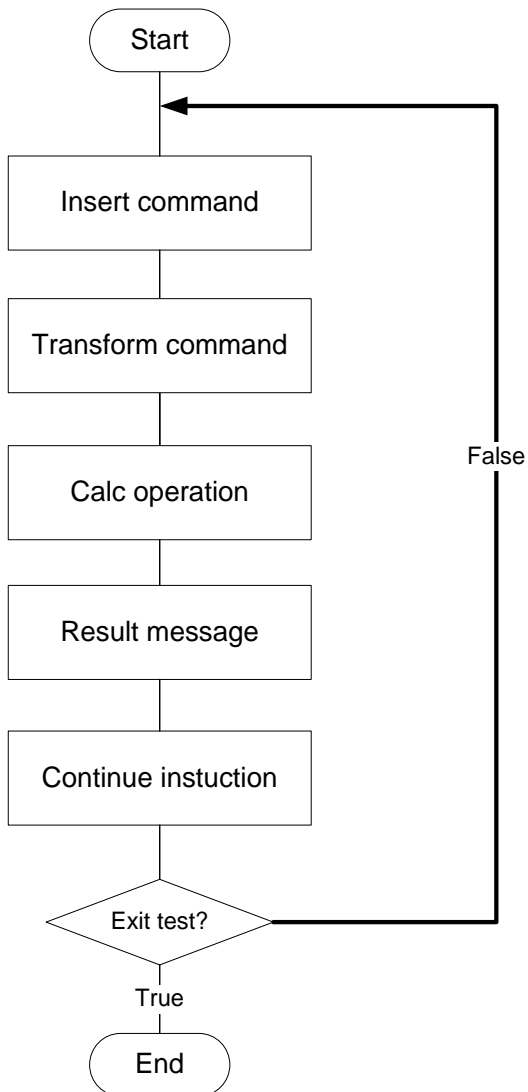
Instruction: to get user inputs

MathShell: to perform the calculation

Message: to display information

See user guide (including relevant appendixes) for more information on the modules functionality.

Test general description

Block diagram   **Test in Studio**

```
          Start

    Insert command

   Transform command

                              False
     Calc operation

    Result message

  Continue instuction

      Exit test?

        True

          End
```

Start

main while
lower(exit_test) != 'true'

Insert command
Instruction

Insert_command_Tran...
calc_operation

Calc operation
switch(Operation)

Result message
calculator results

Define if to exit test
Instruction

End main while
lower(exit_test) != 'true'

End test
Test