SUDOKO

- function must create 2 dimension array (9 horizontal x 9 vertical empty position).

Actions: input less than 17 digits in sudoku

Expected: Mustn’t be able to accept less than 17 digits, otherwise sudoko will have more than one solution in this way.

Actions: - input doubling of some digits in 3x3 region

Expected: - not allowed

Actions: - check for all minimum required 17 numbers shouldn't be the same in region 3x3 and not similar for vertical and horizontal positions

Actions: - try to delete, change or moving this minimum 17 digits

Expected: - not acceptable any changes into the default 17 digits, once is started the Sudoku

Actions:

- input "~"

- input "."

- input "5.3"

- input "0”

- input "r "

- input "23"

- input "-1"

- input "ab"

- input " 2 "

- input "+1f"

- input " "

- input " @ 0k\_3"

- input "1 2 3”

- input combination of space, symbols, letters and number

- input foreigner letters from other language

Expected: must be allowed to input only single positive digits from 1 to 9.

Actions: - input two similar digits in vertical with 9 position

Expected: - have to give error message, the digits must be unique for the column

Actions: - input two similar digits in horizontal with 9 position

Expected: - have to give error message, the digits must be unique for the row

Actions:- input two similar numbers in 3vertical x 3 horizontal positions

Expected: - have to give error message, the numbers must be unique for the region 3x3 position

Actions: - filled in with 80 positions of sudoku

Expected: - not acceptable solution for the sudoku if there is any empty positions

Actions: - filled81 positions, not doubling numbers in all 9 regions with 3x3 positions, in all horizontals and verticals.

Expected: - we have solution