Frontend

* User interface

Backend

* Button functionalities
  + 1-9
  + operators: +, -, \*, /, .
  + delete, clear all, negate

Problem:

very large inputs and answers

dividing by 0

when CE is clicked:

change equation to 0. If last button clicked is CE, clear equation.

When DEL is clicked:

If last button clicked is a number or DEL:

If result length is 1, change result to 0.

Else:

If result is negative, divide by 10 and round down

If result is positive, divide by 10 and round up

when a number is clicked:

if (equation is not “”) and (last button clicked is not a number): change result to number

if result is 0: change result to number

else: append number to result **only if** result digits are less than 16

when operator is clicked:

if last button clicked is an operator:

replace last character (previous operator) in equation to pressed operator

if last button clicked is a number:

if eq is not “ “ or “”: evaluate equation and result, then change res to evaluated result

change equation to result and append pressed operator

TO DO: ask sir:

Good day, sir. Tanong ko lang po yung level of functionality required for the MP1 Calculator.

For example, should it be able to handle scenarios like this? (see pic)

Graphical user interface, text, application, email

Description automatically generated

Or okay na po yung very basic string-evaluating calculator lang without input handling?