

# Final Project

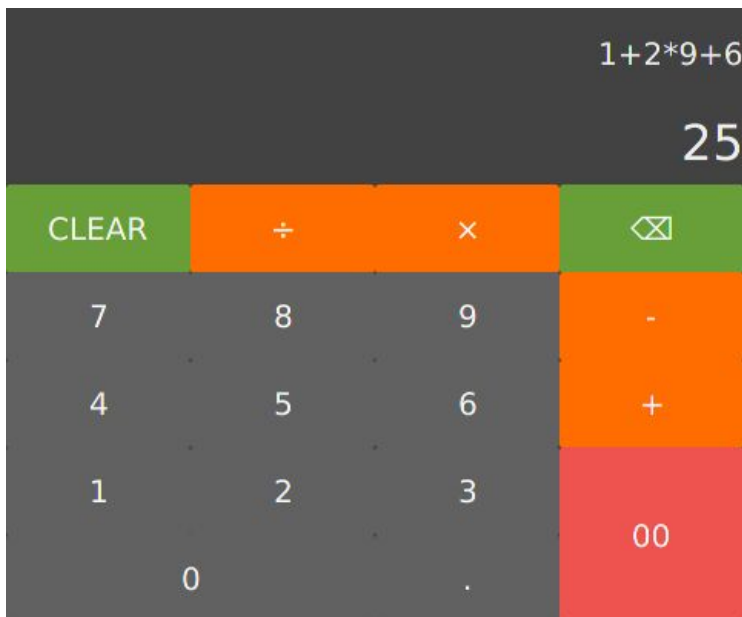
## Brief Introduction to the System Under Test : A Calculator

Student\_ID Your-Name-Here-1

Student\_ID Your-Name-Here-2

Student\_ID Your-Name-Here-3

## Screenshot(s) of the SUT



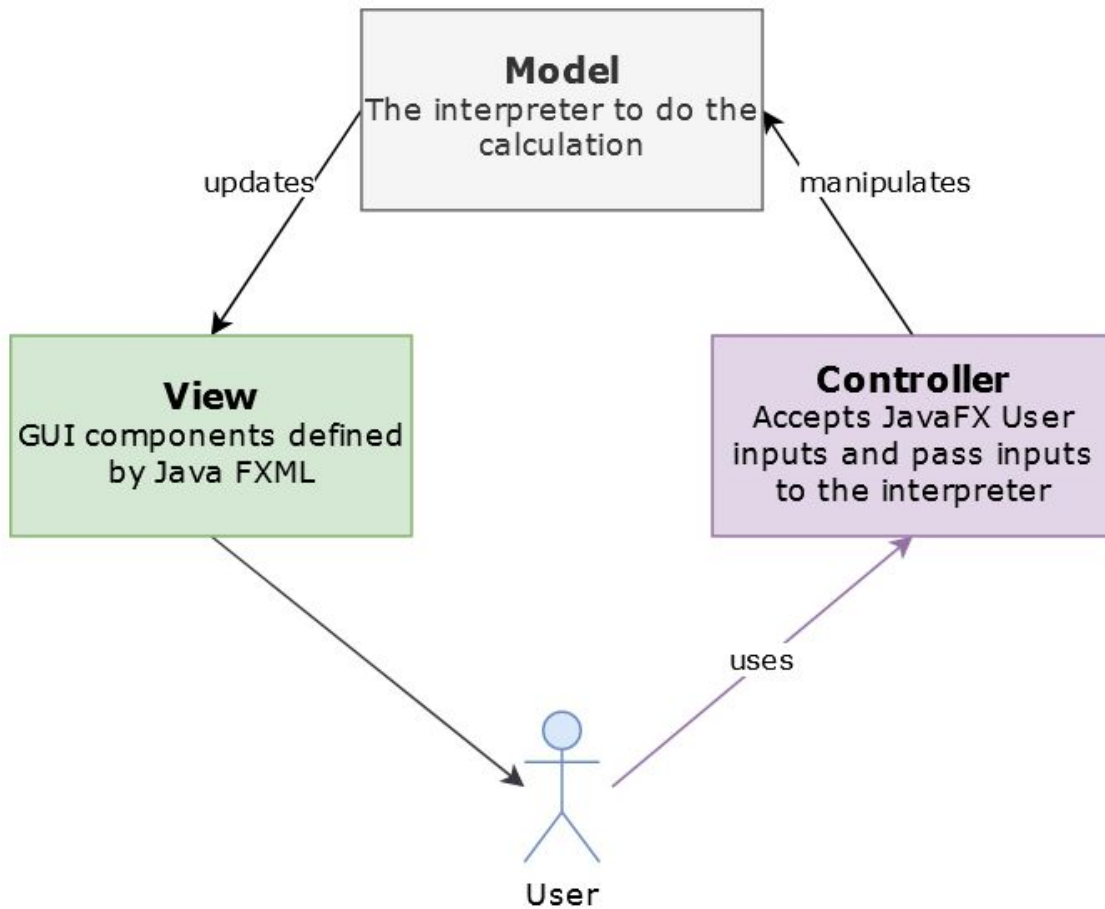
## Feature of the SUT

- The system is a calculator that follows precedence of arithmetic operators (do division and multiplication first).
- Users can click on the buttons on the screen or use keyboard to input expressions.

## System Architecture

This software utilizes “Model-View-Controller” design pattern to accept inputs from the user and output results to the screen; And it is using “Interpreter” pattern to process the inputs and calculate the result.

The following diagram shows the software's MVC architecture:



And the following UML Class Diagram shows the architecture of the Interpreter of the calculator, which process string into tokens, and do the calculations.

