

## Documentation of purposes and instructions

### Purposes

To build an calculator that can calculate float number.

### Instructions

-Basic calculation supported

-This calculator doesn't store formula more than two operation. (ex. no  $3+3+3+3$ )

-Combo calculation (ex.  $3+3$  '+' ) will calculate  $3+3 = 6$  and display it, while store + to operation(result:  $6 +$  'wait for user input') .

### UI



### Code scaffold

UI.xml >>

MainActivivty >>

Calculator ( My class of calculator ) <<all the functions are here

### Code Functions

1~9 + '.' : **(VOID)Calculator.numberPress(String)**

Determine if there is a stored operation( for combo calculation ). Then put the number after previous input. If input is a 'dot', check if dot already exists. If this is the second number input (ex.  $3 + '3'$ ), make combo true for later calculation.

+-\* / : **(VOID)Calculator.oper(String)**

Store the operation, if combo occur ( ex.  $3 + 3$  '-' ) execute previous formula. Store the result, set combo to true.

= : **(VOID)Calculator.equal()**

Execute the formula, reset calculator to perform a new calculation.

**c : (VOID)Calculator.clear()**

Clear the current number on display.

**AC : (VOID)Calculator.all\_clear()**

Reset the calculator.