

Assignment : #6

Description : Final – Student Project

Class : CPW 253 Spring 2023

Instructor : Ken Meerdink

Student : Tung Kim

Project : Simple Calculator

Features : Fragment, Tabbed Interface, Live Data / Data Binding

I have been able to achieve 100% of my project as followed:

1. Created 3 Fragments: Calculator, History, Feedback
2. Successfully organized 3 fragments into Tabbed Interface.
3. The Simple Calculator in Calculator fragment is now working properly:
 - a. Created 2 TextViews to display full input of the equation and current user input.
 - b. All buttons work. All TextViews display information properly.
 - c. Display error for divided by 0.
 - d. Users could use the result of the previous equation as operand 1 for the next calculation without having to click on the Clear button to start over.
 - e. If the operator is selected by mistake, Users are able to change the operator by clicking on another one without messing with a negative sign.
 - f. Automatically add 0 to the front of a double number if users click the “.” Button first.
4. The History Fragment, I use Live Data / Data Binding to display calculating history from CalculatorFragment in a ListView. The Clear History button works properly.
5. The Feedback Fragment, I add validation to EditText and display a message after Submit button clicked.

