

CS 1400 Fundamentals of Programming

Programming Project 1: Simple Calculator

Objective:

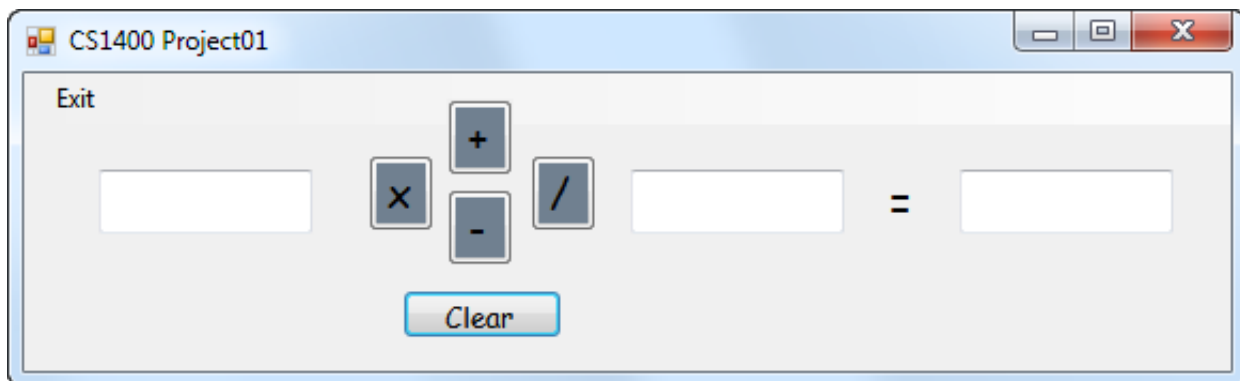
The objective of this project is to test your ability to create a simple Graphical User Interface (GUI) program. In this case, you will create a simple four function calculator.

The Interface

You should design your own interface. However, it must provide the functionality described here and it should be intuitive to use.

- Your interface must include a Menu Strip with an **Exit** menu item and an **About** menu item.
- Your interface must include Text Boxes for the user to enter two numbers.
- Your interface must provide Buttons for the user to choose one of four possible operations (+, -, *, or /).
- Your interface must provide a Text Box to display the results of the operation. Show all answers correct to 2 decimal places.
- Your interface must provide a button to clear the three Text Boxes.

Here is an example of what your interface could look like:



Declare all of the numerical values that your program works with as doubles. The code to add two numbers would look something like this, given that numOne and numTwo are two double values:

```
double sum = numOne + numTwo;
```

The other three operations are similar:

```
double diff = numOne - numTwo;
double prod = numOne * numTwo;
double quot = numOne / numTwo;
```

You can get a working example of this program [here](#).

File(s) to Submit:

Place your complete project folder into a zip file and name the zip file proj_01_your-initials_V1.0.zip. For example, I would name my file proj_01_RKD_V1.0.zip. Submit this assignment as Project #1 on Canvas.

Grading Criteria

Description	Points possible	Your points
Project has been properly submitted to Canvas	5	
Your User Interface has an exit and an about menu item.	5	
Your program will correctly add two values entered by the user.	5	
Your program will correctly subtract two values entered by the user.	5	
Your program will correctly multiply two values entered by the user.	5	
Your program will correctly divide two values entered by the user.	5	
Your program provides a Button that clears all of the Text Boxes.	5	
Total	35	
Early Bonus (5 points) or Late Penalty (20% per day)		