Creating an Invoice Total Application

by

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Room 716

1:00 P.M. – 3:00 P.M.

Monday & Wednesday

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Major: Programming

CIT100-M02: Programming Languages Concepts

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9/22/2020

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Project Description

The actual project named invoice total application is a project where is shown the abilities that the student have developed on the actual semester under C# programing language using visual studio 2015 as a programing environment.

In this project is easy to appreciate the use of conditionals, different toolbox and message box in order to create proper application following the criteria and pseudocode given by the teacher, which are going to be listed bellow

Pseudo code

The Discount Percent should be displayed based on the following conditions:

- If the Subtotal is between 1 – 99 ($99.99), then the Discount Percent should be 1% (0.01)
- If the Subtotal is between 100 – 199 ($199.99), then the Discount Percent should be 2% (0.02)
- If the Subtotal is between 200 – 299 ($299.99), then the Discount Percent should be 3% (0.03)
- For any Subtotal greater than or equal to 300, then the Discount Percent should be 4% (0.04)
- Note: You could use either If Else If Else or Select Case statement to program this.

Calculate the Discount Amount using the following formula:

Discount Amount = SubTotal * Discount Percent

Calculate the Total using the following formula:

Total = SubTotal - Discount Amount

Other Programming Criteria

• All the data (Subtotal, Discount Percent, Discount Amount, and Total) should be stored in Variables.

• If the user inputs a value other than a number, it should display (using a message box) “Please enter a valid input”.

• When the user clicks the Clear button, the Textbox and the three display Labels should be cleared. Also, when the user changes the value of the TextBox, the three display labels should be cleared automatically.

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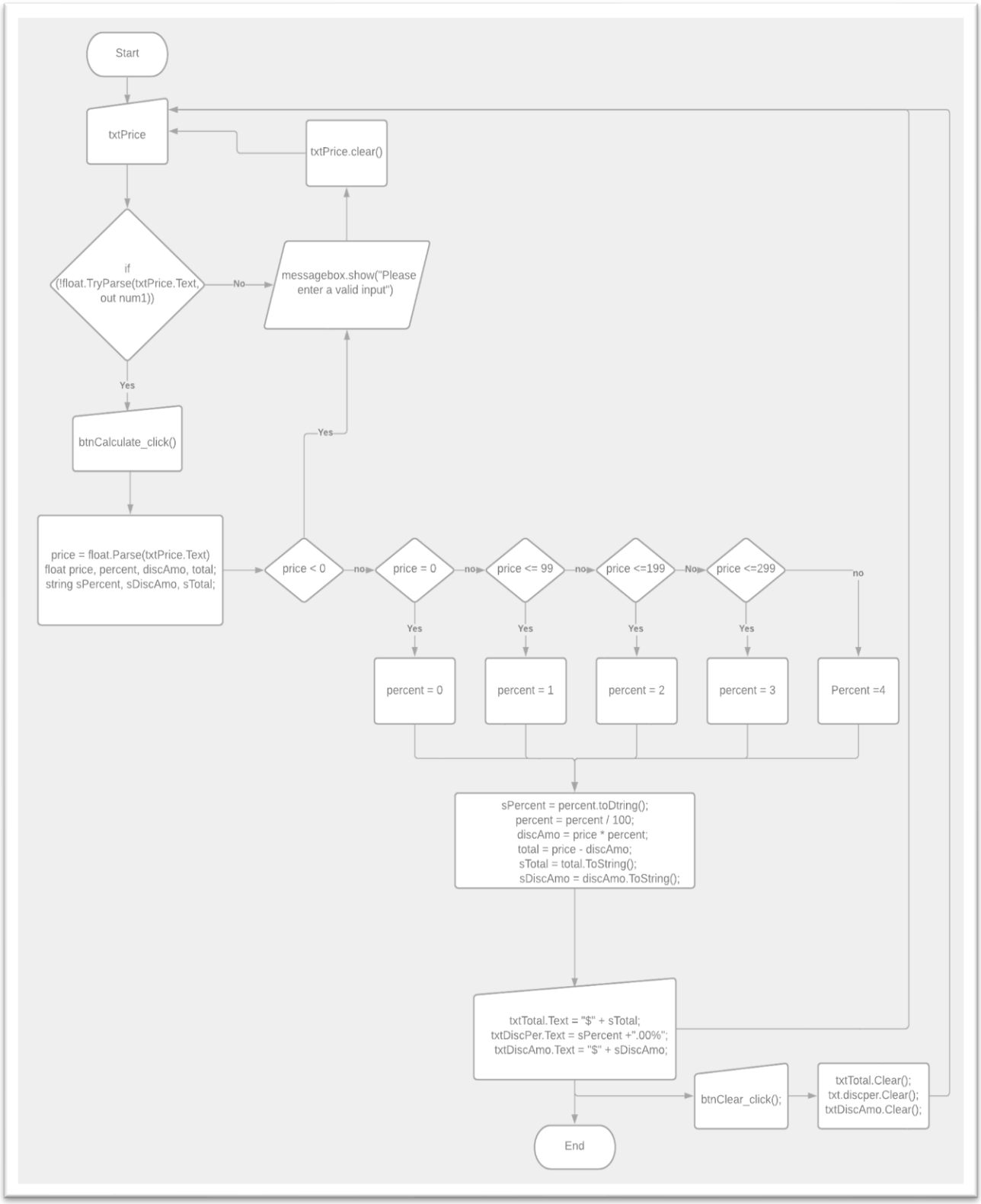
Flow Chart



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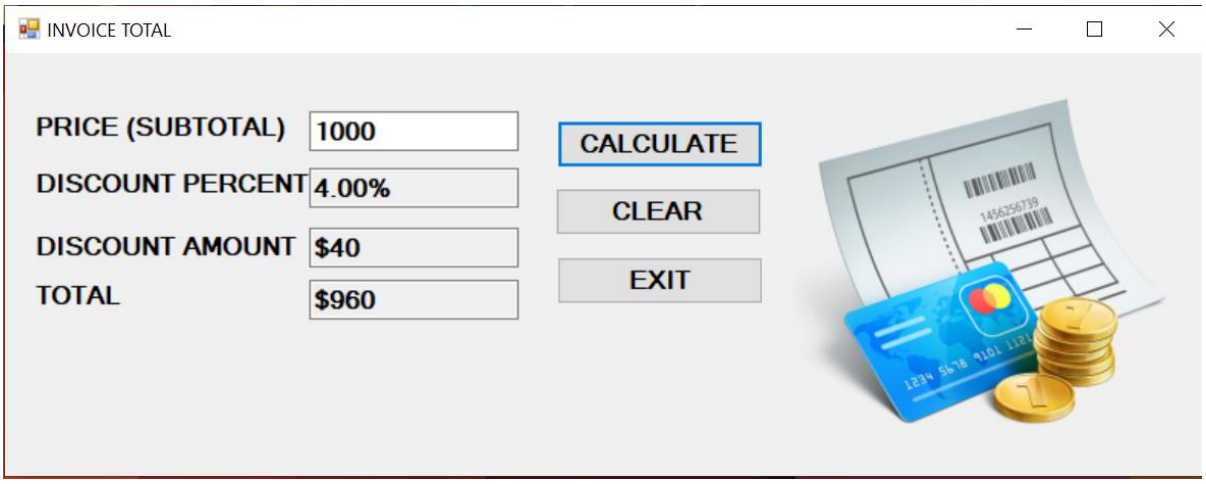
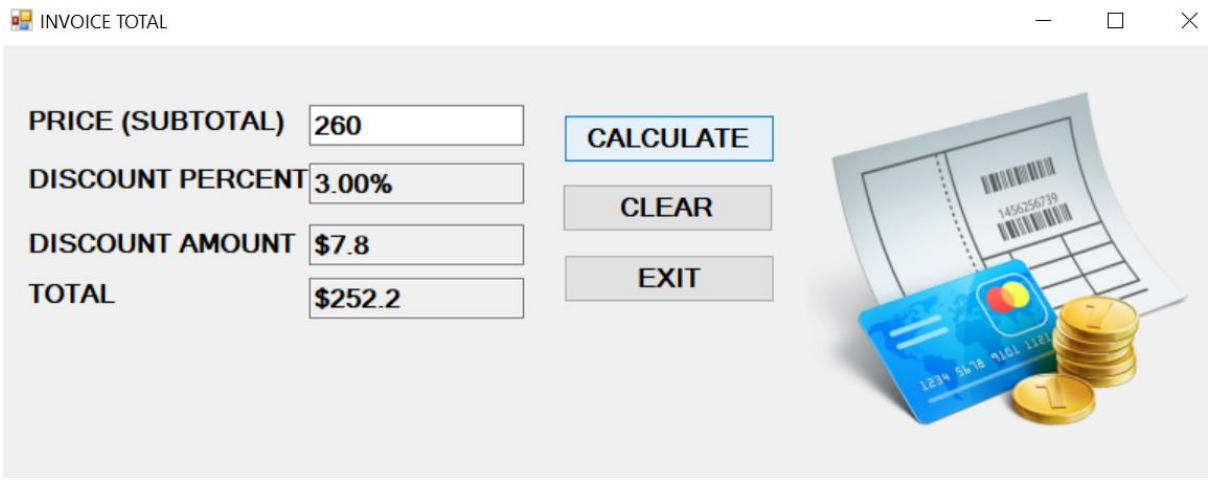
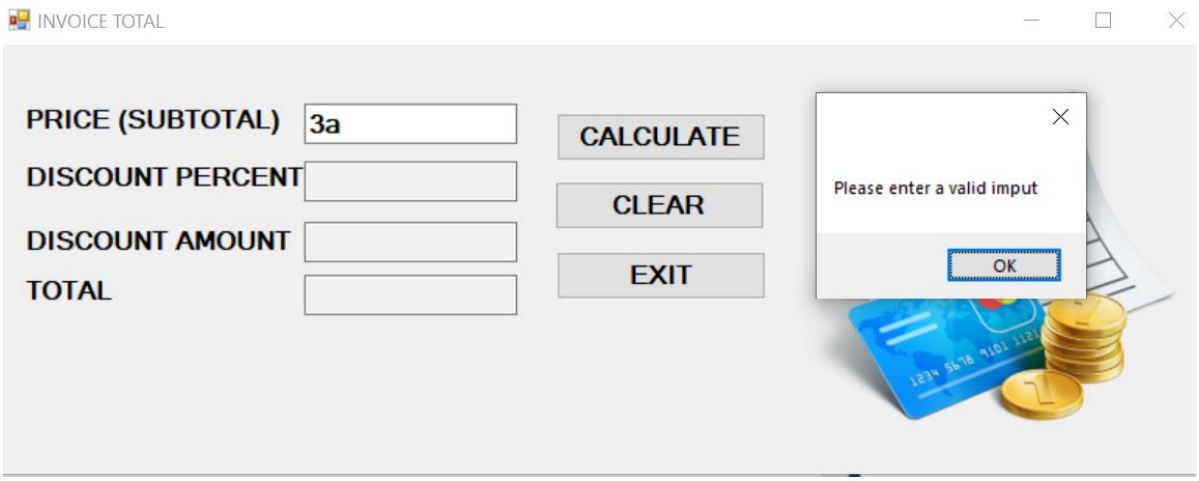
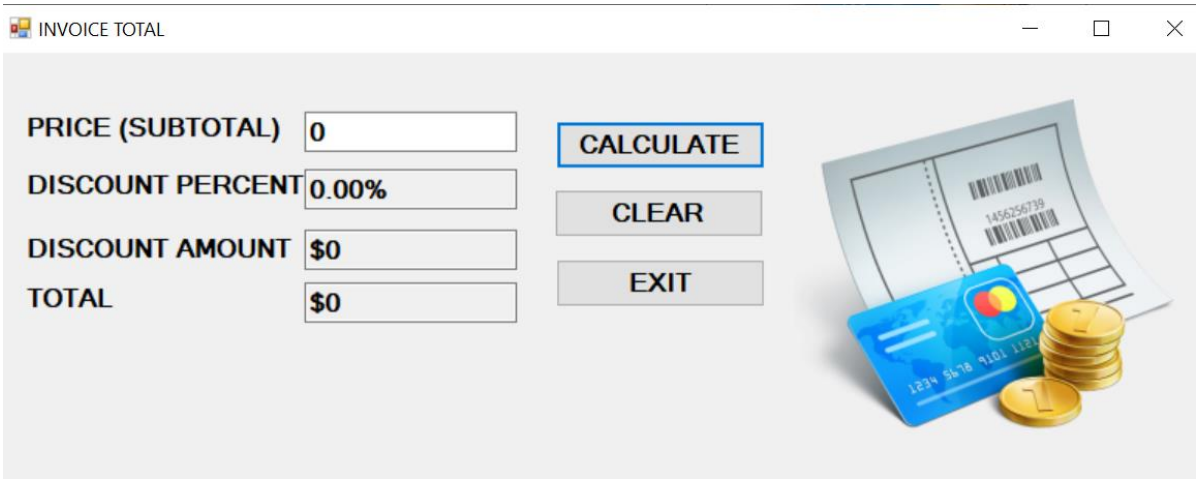
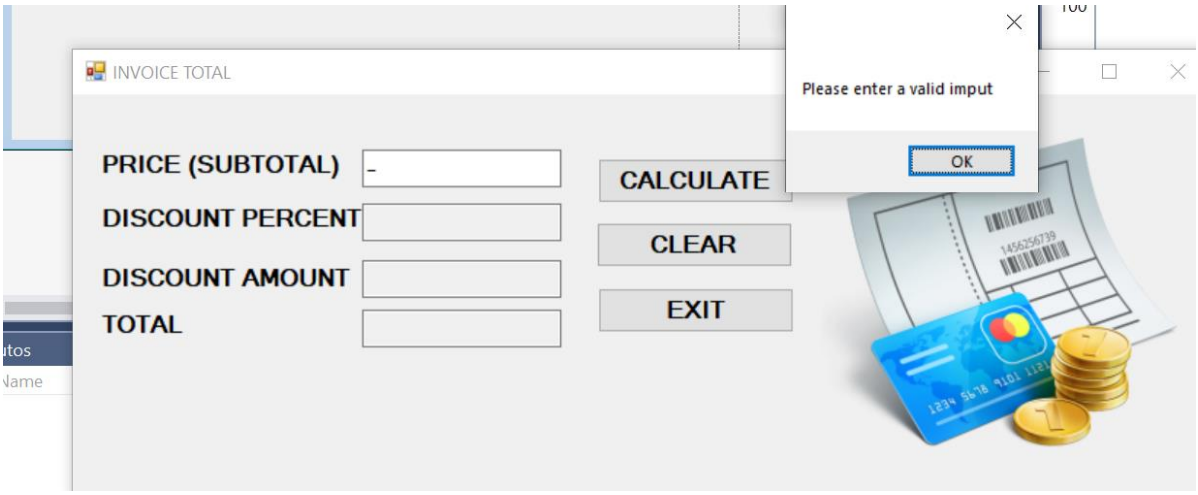
Graphical User Interface (UI)

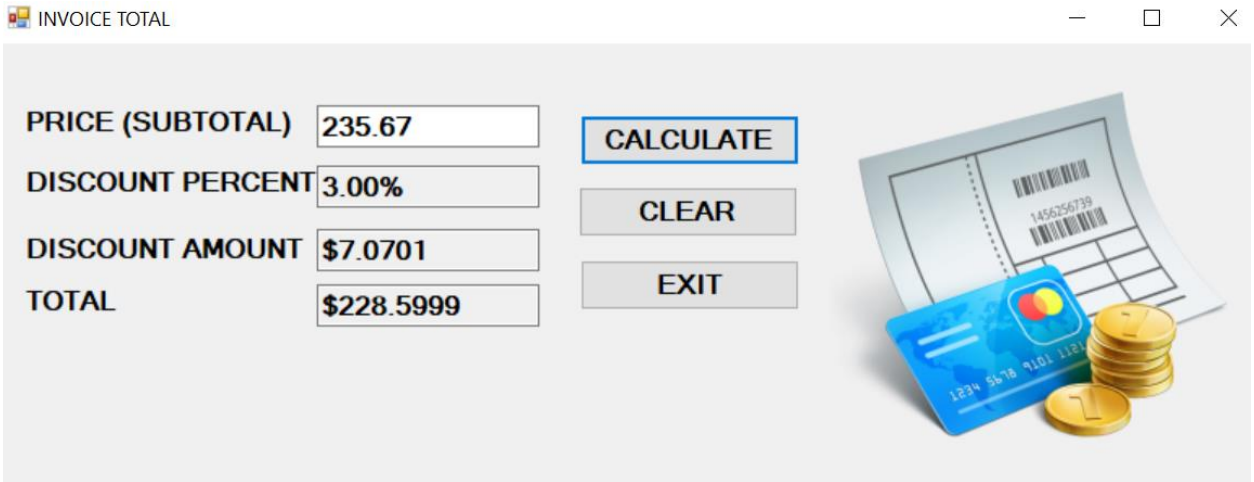







INVOICE TOTAL
PRICE (SUBTOTAL)
0
DISCOUNT PERCENT
0.00%
DISCOUNT AMOUNT
$0
TOTAL
$0
CALCULATE
CLEAR
EXIT


INVOICE TOTAL
PRICE (SUBTOTAL)
-
DISCOUNT PERCENT
DISCOUNT AMOUNT
TOTAL
CALCULATE
CLEAR
EXIT
Please enter a valid imput
OK


INVOICE TOTAL
PRICE (SUBTOTAL)
235.67
DISCOUNT PERCENT
3.00%
DISCOUNT AMOUNT
$7.0701
TOTAL
$228.5999
CALCULATE
CLEAR
EXIT

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Properties Table

Control name	Control type	Properties settings
frmMain	Form	Size = 1196, 480 Text = “INVOICE TOTAL”
lblPrice	Label	Font = Microsoft Sans Serif,12pt, style=Bold Text = “PRICE (SUBTOTAL)”
lblDiscPer	Label	Font = Microsoft Sans Serif, 12pt, style=Bold Text = “DISCOUNT PERCENT”
lblDiscAmo	Label	Font = Microsoft Sans Serif, 12pt, style=Bold Text = “DISCOUNT AMOUNT”
lblTotal	Label	Font = Microsoft Sans Serif, 12pt, style=Bold Text = “TOTAL”
txtPrice	TextBox	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 204, 35
txtDiscPer	TextBox	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 204, 35 ReadOnly = True
txtDiscAmo	TextBox	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 204, 35 ReadOnly = True
txtTotal	TextBox	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 204, 35 ReadOnly = True
btnClear	Button	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 202, 47 Text = “Clear”
btnCalculate	Button	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 202, 47 Text = “Calculate”
btnExit	Button	Font = Microsoft Sans Serif, 12pt, style=Bold Size = 202, 47 Text = “Exit”
picLogo	PictureBox	Image = homework4_invoiceCalculator.Properties.Resources.Project Size = 412, 404 SizeMode = StretchImage