Assignment #2

Due before class Oct 11, 2012

In this assignment you will need the *Visual Basic* language features described in Chapter 1 through Chapter 5.

You are to design a program that reads a text file (input.txt – format the same as we discussed in class) that has a list of items, their unit prices (with the \$ sign included), quantities purchased, and the amount of tax. After reading the text file the program should calculate and display the total cost of each purchase. An example of the text file content can be:

Sweater
\$35.00
3
5%
Straight Fit Jeans
\$24.50
4
12%
Suit
\$120
1
7%

Use a ListBox control object to display the results of your calculations. An example of an output in the ListBox can be:

Item	Unit Price	Quantity	Sub Total	Tax	Total Cost	
Sweater	\$35.00	3	\$105.00	\$5.25	\$110.25	
Straight Fit Jeans	\$24.50	4	\$98.00	\$11.76	\$109.76	
Suit	\$120.00	1	\$120.00	\$8.40	\$128.40	
(27)	(15)	(15)	(18)	(15)	(18)	

Numbers in parentheses show maximum spaces for the corresponding columns. Format the output properly with zones and justification.

Your program should have three buttons:

Button Name	Task
Calculate	Read "input.txt" file, calculate and display the results in the ListBox
Clear	Clear the ListBox
Quit	Close the program

Marking Criteria:

- Graphical User Interface (GUI) Design: 20%
- Correct Functionality: 40 %
- Documentation: 30%
- Detect invalid inputs and display appropriate error messages: 10%