***CIS 422 Assignment 1***

You have been hired by Big J Catering to write an application that will allow correct information and calculations to be performed on a customer’s catering request. Currently incorrect calculations are causing the business to lose clients and money. Essentially the catering service provides a standard meal at $8.50/person and a deluxe meal at $10.00/person. You need to write an application that will allow a client’s first name, middle initial, last name and phone number to be entered into separate textboxes. You will then need to allow the user to select the catering service type (either standard or deluxe) and the number of meals to be served. After this information is entered, you should calculate and show a subtotal, 6% sales tax on the subtotal and the grand total amount – this can be on the same form or a separate “receipt” form.

Additionally, the company sometimes gives discounts on catering depending on who the client is (e.g. relatives to someone working at the business) or based on the number of people that will be served. You need to provide a mechanism to input a discount percentage if one is to be applied, calculate the discounted portion and then subtract that from the subtotal before computing sales tax. You should have a minimum of two command buttons: one that will basically “reset” the form and one that will calculate the catering cost pieces.

The form that you just created above should act as an MDI child, meaning that your application has to have an MDI parent. The reason for this is that customers sometimes like to see invoices based on different catering scenarios such as standard catering with X number of people versus deluxe with Y number of people. The MDI parent needs to have a windowslist manager attached to the Window menu, and a New and Exit option under the File menu. The menu options are pretty much self-explanatory.

Also make sure that exit functionality is well behaved in a single point exit source such that either clicking the close “X” in the upper right hand corner of the parent or selecting the Exit menu choice executes the same exiting block of code (which should prompt whether or not the user really wants to quit).

Your grade will be based how commercial-ready your program is as well as your coding style and conventions. Imagine that instead of an academic exercise, this is something you would be producing for your job.

Upload your project to Canvas and in class turn in a hard copy of your program cover sheet, source code and screenshots taken of the execution of your program.

Good luck!