**Memorandum**

To: Donnie McKinnon

From: Mohammad Rahman

Due Date: October 02, 2020

Subject: Documentation of Assignment 2 for Life Insurance Application

**This program provides the solution of the following problem :**

Complete and **Submit** the following:

* 1. Situations:  Life Insurance Salespersons are paid by commission of their sales.
  2. Create a Windows Application form that uses text boxes to obtain the Sales Person's name (lastname, firstname in separate textboxes) and the insurance amount of the policy sold.  Include a:
     + 1. **Calculate** button to display the commission dollar amount earned, as well the rate received based on the policy sales amount.
       2. **Summary** button to display the total number count of policies, the total insurance dollars sold, and the total commission earned based on those individual sales for the salesperson being processed.  Also, include a running total of all  these totals for all salespersons processed and they should be listed in a section below the individual salesperson totals.  ***NOTE:****Once you move from one salesperson to a new salesperson the previous information and totals are reset, i.e. in the summary you only have the current salesperson summary and the running total showing everyone's totals.*
       3. **Clear** button should clear the current individual salesperson information from the summary window.
       4. **Clear All**button should clear the summary running totals of all sales persons after confirming the operation with the user.
  3. Include validation to check for missing data. If the user clicks on the **Calculate** button without first entering a Lastname/Firstname and the policy amount, display a message box indicating they is missing data.  Also, you need to make sure to not display a summary before any data is entered; you cannot calculate an average when no items have been calculated.  You can check the number of employees in the Summary event handler or disable the **Summary** button until the first order has been calculated.
  4. The following table provide the commission rate of based on policy amounts:

| **Insurance Policy Amount Commission Rates** | |
| --- | --- |
| **Insurance Payout Amount** | **Commission Rate** |
| < 1000 | .05 |
| < 100,000 | .1 |
| Everything else | .2 |

**Solution Approach:**

Solution is provided based on traditional windows form application.

I calculate the commission rate by if else logic and verified all the fields.

Show all the information after getting user input

Through the clear button clear all input of individual information.

Summary button shows all salesperson’s information

Clear all button clears all information.