**Memorandum**

**To:** Gerald Caissy

**From:** Md Ahsanul Hoque

**Due Date:** November 4, 2019

**----------------------------------------------------------------------------------------------------------------**

**Problem Description:**

**Assignment instructions below:**

1. Complete and **Submit**:
   1. Write an MDI application to simulate a simple text editor.  Allowing the user to create/open multiple documents, each in a separate child Form within the MDI Parent window.  For the text editor child form, use one big TextBox control with its Multiline property set to true or a RichTextBox control. You will require a SaveDialogue and OpenDialogue component in order to create/open a text file.
   2. The main startup form (MDI Parent) should have a MenuStrip with an *Open* menu item to open previously saved files in a childMDI Form; the child forms should have a MenuStrip with a *Save* menu item to save their text to a file.  Use the file handling that you previously learned about and display the name of the file in the form's title bar.
   3. Validate your text box in order to assure that text has been entered before attempting to save to a file.
   4. Add a toolbar and status bar to the application forms, and code toolbar icons for *Close, Save, Open* appropriately.
   5. Add a calendar DateTimePickerControl to your MDI Child form ToolBar menu selection. This will allow you to pick a date to concatenate to your written text.  Your written text should be followed with the following:
      1. Date Written:   ..date from D\_T\_Picker..

**Extra Comments are as follows:**  
  
When creating an MDI application (this will allow forms inside forms):  
Form1 (Main Form) needs the property 'IsMdiContainer' set too TRUE.  
Form2 (File/Text Editor Form) for rich textbox set 'Dock' to fill and 'Multiline' to TRUE.  
\*\*\*When calling Form2 you must set Form1 as the MdiParent to have it open inside Form1, as we did in class.  
  
‘Status Bar’ useful for displaying current date and time.

Solution Approach:

To solve this problem we take advantage of following windows controls:

DateTimePicker  
ToolStrip  
MenuStrip  
Timer  
Windows Form(2- one for MDI Parent and one for Child form)  
OpenFileDialog  
SaveFileDialog  
RichTextBox

And so on.