**Memorandum**

To: Donnie McKinnon

From: Mohammad Rahman

Due Date: November 06, 2020

Subject: Documentation of Assignment 4 for simple MDI text editor.

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

**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 *Open and New* menu items. Open will open previously saved txt files in a childMDI form. New should just open a blank 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..

**Solution Approach:**

Solution is provided based on traditional windows form application.

Two forms are created named parent and child form for MDI text editor.

Parent form has MenuStrips (File) that includes Open and New options to open file and create file. And also has a openFileDialogue component.

And the child form has a RichTextBox control that includes a SaveDialogue and OpenDialogue component in order to create/open a text file

The child form has a MenuStrip with a Save menu item to save their text to a file.

Validation methods are created to ensure that text has been entered before attempting to save to a file.

And Added a toolbar and status bar to the application forms, and code toolbar icons for Close, Save, Open appropriately.

Then added a calendar DateTimePickerControl to the MDI Child form ToolBar menu selection to pick a date to concatenate to the written text.

From the main form 'IsMdiContainer' property is set too TRUE.