



School of Applied Sciences And Technology
Department of IST
Program: CNT

CMPE 1666-ICA07- File Processing

In this assignment, you will read data from a text file. You will use drag and drop to add a file to your application, read the data from the file, extract the data and add to a List. You will then apply a few in-built List methods

Create an application with the controls shown below. The big box on the left is a read-only multiline textbox with vertical scroll bars. Declare, as form class member variable, a List of integers. This will be the only class level variable you require.

The screenshot shows a Windows Form titled "Form1". On the left side, there is a large, empty, read-only multiline text box with vertical scroll bars. Above this text box is a blue rectangular button with white text that reads "Drag Drop Your File On the List Box". To the right of the text box, there are three buttons stacked vertically: "Display Count", "Display Minimum", and "Display Maximum". To the right of these buttons are three text input fields, each preceded by a label: "Number of Values:", "Minimum Value:", and "Maximum Vallue:". The form has a standard Windows window border with minimize, maximize, and close buttons in the top right corner.

Implement the required event handlers such that when the user drags and drops a file on the textbox, the mouse pointer must change to a cross. The program must read all the data from the file as one string (using **File.ReadAllText()**) and display it in the textbox. If the textbox already contains data, the data must be cleared before the new display.

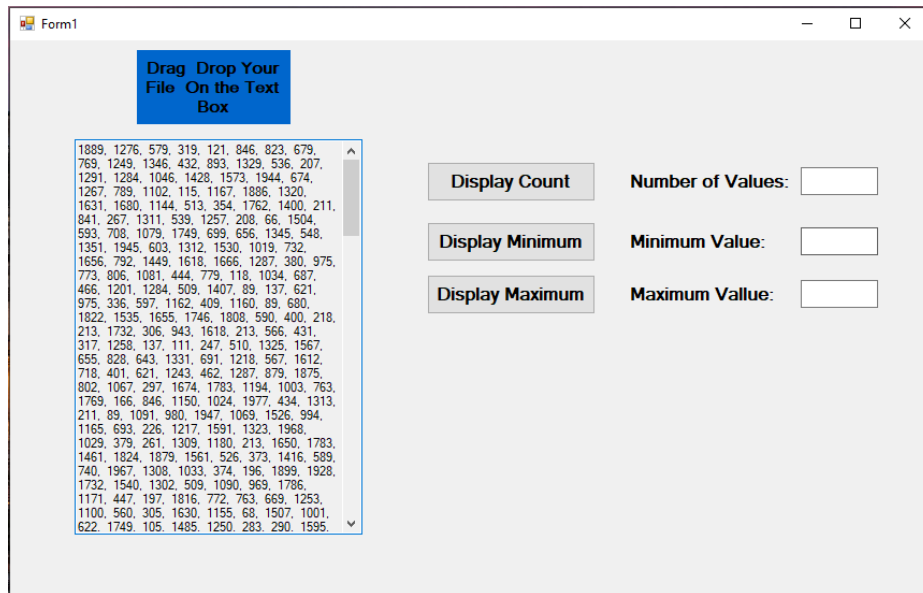
The program must then add all the values to the class-level list variable.

The event handlers for the 3 buttons must display the total number of values in the List, the maximum value and the minimum value respectively.

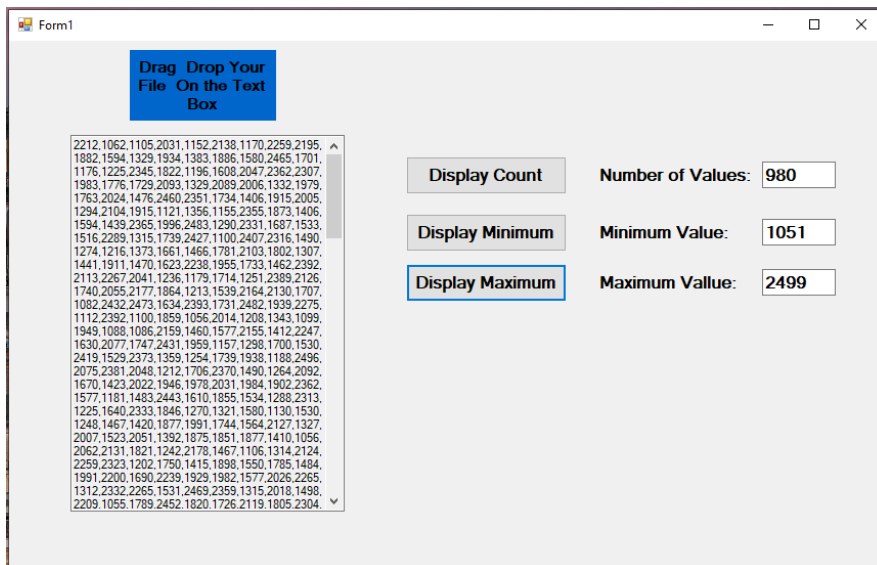
Test your program with the provided file.

Sample Runs of the program are as below

1. Values have been loaded



2. Displaying number of values, minimum and maximum values



Rubrics- Max marks 30

Item	Marks	Penalty
UI as shown	7	Inappropriate control names: -2 No default for Radio buttons: -2 Inappropriate Tab order: -2 Unprofessional layout: -2
Drag and Drop Working and values displayed in left textbox	8	Mouse pointer not changing to cross: -3
Values added to List and buttons displaying values as required	15	Using more class-level variables than required: -3
Documentation <ul style="list-style-type: none">• Programmer Block• Well commented code• Appropriate Variable Names• Proper spacing between blocks of code• Control names are consistent and appropriate.		Penalty -1 to -6 for not meeting documentation requirements