Assignment 5

Points: 100, Chapter 16, Exercise 16.4, Page 696

Chapter 16 Topics include Strings, Characters and Regular Expressions. Follow the author's instructions with some modifications itemized below. Not difficult, just time-consuming.

Set Up

As an Aside about StringBuilder

Optional, on-topic, reading. StringBuilder as a concept and a class has become common among languages for processing objects. Java, for example, also uses the StringBuilder class of its own design and ilk to process strings and it was an addition to Version 1.6 (current version is 1.8) several years ago. The value, use and some views of its effectiveness in C-Sharp is explained quite well in an online article at this url: http://www.tutorialsteacher.com/csharp/csharp-stringbuilder
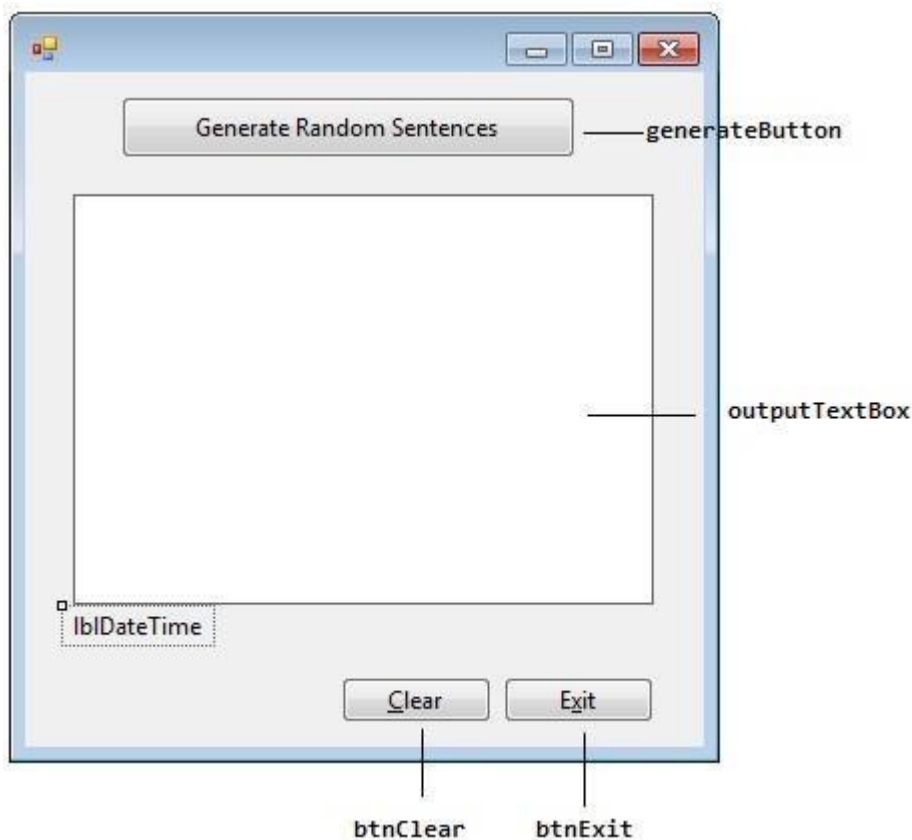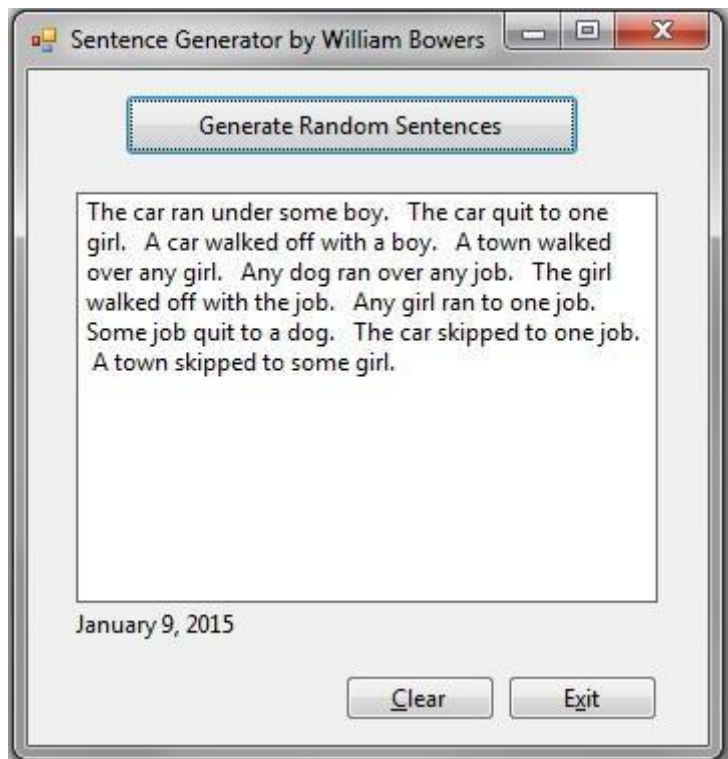
Exhibit A. Design View

Exhibit B. Runtime View

Additional Modifications

1.   In form_load, add by concatenation your name to the title Sentence Generator.

2.   To show these are not parallel arrays; to prove this, do **not** add an article to the existing list in the **article** array, but **do** add at least one more element of your choosing to each of the *noun*, *verb* and *preposition* arrays. Beef up our output options. For example, I added "job" in the noun array, "quit" in the verb array, and the two word phrase "off with" in the preposition Experiment and have fun.

3.   Each click on the Generate Random Sentences button will replace an existing group of sentence possibilities. Make the uppercase letter "G" your hot key.

4.   Add a user-kind Clear button to clear the TextBox completely. Make the uppercase letter "C" your hot key.

5.   Add an Exit button for additional user options. Make the lowercase letter "x" your hot key.

6.   Add any other option or feature you might have in mind. Don't have to, but it's open for you if you do.

Assignment Submission

Compress your entire application to a .zip file and attach it to the drop box on blackboard.