

## Programming Assignment 8: GUI Application

**Total Points (30 pts) – Due Wednesday, November 18 at 11:00 AM**

### Text Statistics Application (30 points)

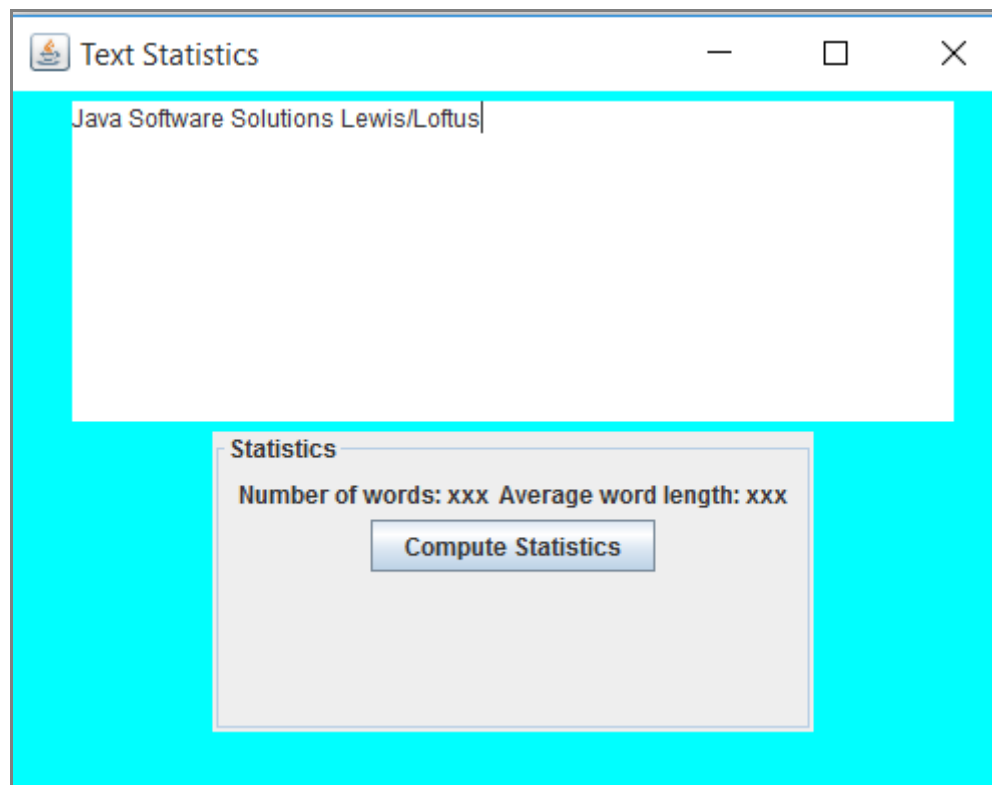
Develop a simple tool for calculating basic statistics for a segment of text.

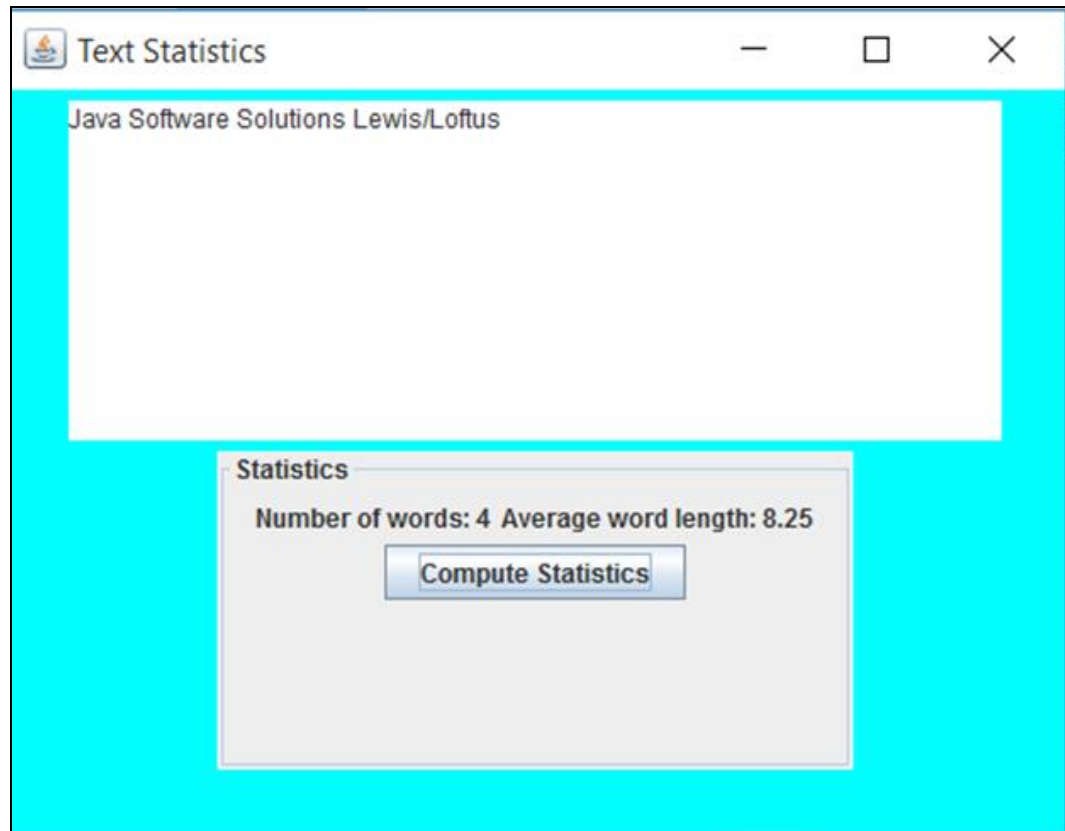
The application should have

- A single window with a scrolling text box (a JTextArea) and a stats box.
- The stats box should be a panel with a titled border, containing labeled fields that display the number of words in the text box and the average word length, as well as any other statistics that you would like to add.
- The stats box should also contain a button that, when pressed, recomputes the statistics for the current contents of the text field.

Name this file *TextStats.java*

[Sample Run:](#)





### Submitting Your Assignment

Each assignment requires two submissions: an electronic component submitted through Insight, and a hardcopy component submitted in class.

- The hardcopy submissions must include the following:
  1. A copy of your program. This copy needs to include all the code that you have written for the assignment.
  2. One or more sample runs of your program. In addition to the program copy, submit examples showing the output of your program.
- Additionally, your program must be uploaded to Insight. To upload:
  1. Create a new directory (Assignment8) on your computer, and put all files: (TextStats.java, TextStats.class) inside that directory. Then, compress, or zip up, the directory.
  2. Upload the file Assignment8.zip to Insight by the due date/time.