Advanced Java

Lab Project: 08

Points Possible: 125

Due Date: Dec. 13, 2016 (11:59pm) NOTE THE DATE. THIS IS THE FINAL PROJECT AND LATE PROJECTS WILL NOT BE ACCEPTED.

Objective:

Create a Java FX GUI program that allows the user to select and open a file from a menu and then presents a chart of the file's data.

Grading Table:

Task	Points
Programming Guidelines are followed and Documentation report is created	25
Program includes a menu	25
Menu allows selection of a file via a file chooser	25
Menu allows selection of several different types of charts	25
Charts correctly display the data from the selected file	25
TOTAL (Points Possible)	125

Instructions:

The goal of this project is to write a Java FX GUI program that uses a **menu** to control the various program functions and display a chart. The menu should provide functionality to allow the user to select a file and present the file's data in a chart. Additionally the menu should allow the user to select from 4 different JavaFX (BarChart, AreaChart, LineChart, StackedChart) charts.

Please use the provided CSV file for the data. The data covers program files written in different languages spread across four quarters.

NOTE:

This is the last project. It is due **Tuesday** Dec. 13th. Late projects will not be accepted.

Turn In:

1. Create a jar file as demonstrated in class (see the class Blackboard site for notes) that contains your source code and class files named "project08LastName.jar"
2. Create a short documentation report (doc, docx, or pdf) containing screen shots that either demonstrate your program meeting the specifications in the above grading table or show the error messages that might occur when attempting to compile or execute your program. Include a brief description (1 paragraph is fine) documenting your work and describing the functionality of your program. If there are errors, discuss them (what is your best guess as to what is going wrong). In the report, include the version of your Java Compiler (at the command line run "javac –version") and any other development tools you used.
3. Submit the resulting jar file and documentation report to Blackboard

If you have any questions email me early and often at: george.patterson@tulsacc.edu