Advanced Java

Lab Project: 02
Points Possible: 125
Due Date: Sept. 28, 2016 (11:59pm)

Objective:

Demonstrate knowledge of Java File IO and Regular Expressions.

Grade Table:

Task	Points
Programming guidelines are followed and report is created	25
Program reads the data file	25
Program uses a regular expression to extract phone numbers	25
Program creates and writes to a file	25
File is a complete HTML page that contains a table with 2 columns and a number of rows that corresponds to the number of valid phone numbers in the data file	25
TOTAL POINTS	125

Instructions:

The goal of this project is to create a command line program that opens and reads the provided file ("Project02Data.txt") and, via a Regular Expression, extracts all of the valid phone numbers. The program then needs to create (write) an HTML page that contains a table with two columns: the first for the area code and the second for the remainder of the telephone number. The program should write the file directly (do not output to the command line).

It is fine to base your work off of the previous project.

If you are unfamiliar with HTML tables here is an excellent free resource on the web:

W3Schools

Turn In:

1. Create an executable jar file as demonstrated in class (see the class Blackboard site for notes) that contains your source code and class files named "project02LastName.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