CET 350 Technical Computing Using Java
Group Program 2 (the max)

Write a java application that will open an input file and open an output file. The file names can be entered from the command line, the first is the input file and the second is the output file. If the file names are not entered from the command line the missing file names will be prompted for and read by the program. If only one file name is provided on the command line, it will be considered the input file and the output file will be prompted for by the program. If the output file exists the user will have a choice of entering a new output file name, backing up the existing output file first, overwriting the existing output file, or quitting the program without opening any files. Except for the command line parameters, whenever no filename is entered the program will terminate. The program will catch any file open error and print a message.

Using StringTokenizer or .split, the program will parse the input file and identify words and integers. Words are not case sensitive and can only contain letters and digits. Apostrophes or hyphens are not used in words. The numbers are integers that are digits without connecting letters. The output file will contain each unique word with it's count. The list will be the order in which the words were encountered. At the end of the file the total number of unique words will be printed and the sum of the integers will be printed.

This program can be worth 160 points.

Supply the Java source code on a virus free 3.5" PC formatted diskette, thumb drive, or closed CD.
Label the disk with:

a. Your name(s)
b. CET 350
c. Group number
d. Your e-mail address.

Name your program Program2.java

At the top of the program, place a comment header containing:

a. Your name(s)
b. CET 350
c. Group number
d. Your e-mail address

Properly comment the program.

Only turn in a program that will compile without errors. A program that has compile errors will be returned un-checked. Late points will continue to accumulate until a program is turned in that compiles without errors.

Make sure there are no errors on the diskette. Often file and diskette errors can occur when files are not closed correctly. If you are unsure about the condition of your diskette, check for errors from the tools option of the properties option of the diskette icon in windows or scandisk from dos. If a program cannot be compiled or executed because of disk errors, the program will be returned un-checked. Late points will continue to accumulate until a program is turned in on a error free diskette and runs without errors.