Pair Programming Planning Document

Data I/O –

1. Read in all data as text with linebreaks (“n”)
2. Parse data into a two dimensional ArrayList. Each new line is an extra y axis list. Be sure to process negative numbers too. Numbers are separated by a space.

Data Processing -

1. Go line by line. Store processed data in another two dimensional ArrayList in the following format.
   1. {number of integers in the line, sum of all integers in the line, largest value in the line, (bool) did the largest value occur more than once?, smallest value in the line, (bool) did the smallest value occur more than once?}
2. Other values to store and calculate (once per file). These can be calculated while processing the other lines, or afterwards by processing the Processed ArrayList.
   1. number of lines in the file, largest value in the file, number of the line with the largest value, (bool) if the largest occurred in more than one line, smallest value, number of line with the smallest value, (bool) if the largest occurred in more than one line, total sum of all integers

Display (GUI?) - You ask me, the display can just be console based. As long as data input is always a file, there’s not reason for a GUI in my opinion. I also haven’t coded a gui in years so I’m probably a little biased here.

Display all of the information above, and indicate PROFIT/LOSS/BREAKEVEN based on the sum of each line and for the total input.

There are plenty of ways to do this assignment, so if you want to change some of this stuff, go for it. I’m going to start with file i/o cause that’ll be the same thing regardless of the rest of the design.