

Assignment review – Alen Bejtić

1. Walktrough of processing the file and providing reports.

Well to be honest at first I was the classic student and did not even look at the assignment for 7 days. At second glance I tried parsing the file which resulted into me deleting every possible java file on my PC beacuse I was stuck and stubborn on that part, decided to lay it off a bit. That „a bit“ turned into 48 hours before deadline lol. Nonetheless, gave myself a proper challenge.

I approached the file by parsing only the needed columns for data manipulation which I think also reduced the chances of faulty data. It was done using the File and Scanner class. Then I decided to put all parsed data as objects into an ArrayList soo I avoid parsing trough the file multiple times while doing the tasks. During that process faulty lines were caught and put into a seperate ArrayList aswell.

For the rest of the assignment, the concept of the approach was mainly the same. I created HashMaps in which the appropriate keys were checked and inserted. In parts where particular data had to be sorted, I put data from the HashMap into an ArrayList and proceeded to use a lambda expression to define a custom comparator for sorting a list of objects.

Reports were written using functions defined in the main. Class FileWriter was used to do so. The code in mentioned functions is pretty much boilerplate code or self-explanatory.

2. What was most challenging?

During this assignment the 2 most challenging things were : to initially parse the file in attempt no.1 and definitely the task of finding top 3 developers with the most applications developed but who do not work for the company that released the app. Parsing I will not even mention beacuse it is not worth lol, the other challenge was tough beacuse of the multiple ways and obstacles on approaching the solution to the problem. Finally, I decided to play around string building and string splitting.

3. What you expected to be very hard, but it turned to be easy work for you? (if anything)

The task of finding the number of apps that can be bought with 1k or 10k. Pretty much 4 lines of code solved it, way easier than I thought.

4. What you expected to be simple, but turned out to be very complex? (if anything)

Parsing the file.....

5. If you are starting assignment again, what would you do differently this time ?

Honestly, not much. I think my approach was rather good. I would consider more exceptions while manipulating the data for more precise reports and probably I would start the code by writing functions first and the code would look much cleaner and professional. And I think I made a mistake of making the test file too small compared to the main file which was not necessarily bad but rather would improve chances of avoiding certain errors while writing the code.

If something appears to be off or difficult to connect in my review or code, sorry in advance. It is the consequences of my 48 hour challenge :D. Thanks in advance for being considerate!