

Homework 2

1. Download some files (e.g. 3 to 5 files) from Kickstarter datasets available under this link: <https://webrobots.io/kickstarter-datasets>
2. Merge the content of all days into a single file, which will be a big file. If your hard disk cannot handle that, you can download it partially or keep it in a separate file, but I need to see you are able to write a code to merge files.
3. Write a code to search for a given keyword, e.g., “robot”, “fitness”, “wearable” and the result should present some columns including the name of the project, its category and funding amount. In other words, you are reading from a file and presenting the output to the user in the java console (System.out.print...)
4. The search you did now should include a memory.
By memory we that **it keeps the track of what has been searched** (inside a collection). In simple words, you need to **store** inputs that we give to the search.
This means the search criteria and **timestamp**, should be stored in a **collection** (key and value).
5. There should be a method to call, and the result of this method prints the number of search terms, and frequency of search. For example, if I search for “wearable” two times, it prints: “wearable , 2 times”

No user interface is required to be developed, just java classes to handle everything is enough. However, you must respect naming convention and java code structure.

Evaluation

Your homework grade will be calculated based on the following criteria

Does the code compile? If not, you cannot get its mark.

Does it perform all tasks that have been asked in the assignment?

Is the code readable, did you put enough comments, respecting java naming conventions, etc.

Does it include a descriptive [read.me](#) file?

Are you able to explain your code and answer my questions about this? Cheating will not be tolerated at any cost and will be reported to the university.

- Any delay on assignment submission will result in grade deduction, 10% per day. After two days later, the assignment will not get accepted at all.
- If there is an extreme circumstance such as getting sick or death of relatives, you can communicate with me about the late assignment. However, I would not accept anything without proper evidence.