**Computer-based test**

Solve the problem in an object-oriented way in C++ according to the following:

*You have to use the template class library at* [*https://people.inf.elte.hu/treszka/oktatas/OOP/library.zip*](https://people.inf.elte.hu/treszka/oktatas/OOP/library.zip)*. You cannot modify the library.* ***There can be no loops or recursive function calls*** *in your code. You cannot inherit custom classes from Procedure. You can assume that the input file is correct. You only have to check that the file exists. You can open the file only once, and cannot use a variable whose size depends on the size of the file (for example, you cannot read everything into a vector and then process it). If the problem does not make sense for an empty file handle that case separately. You cannot use global variables.*

A motorbike service has registered the repairs of the different motorcycles in a textfile. One line of the file contains the customer’s name, the type of the motorbike, and the repairs: name-price pairs. The file is ordered by customer names. You can assume that the file’s structure is correct. One sample line of the file:

Customer1 YamahaAxis50 oilchange 20 motorblock 100 cablesealing 10

***For grade 3:*** Write out those motorcycles with their owner that had a service more expensive than 95 euros.

***For grade 5:*** How many customers have at least two motorbikes that had a service more expensive than 95 euros?

You can use the official codes of the course and your own codes, too, but you must not enlist other persons’ help. You don't have to do the solution for grade 3 if you have already solved for grade 5. It is recommended to start with the problem for grade 3. Only those programs are accepted that can be compiled with g++ and that give good results for the test data. You have to upload your solution to canvas before 17:30. Upload a zipped complete CodeBlocks project without the obj and bin libraries. The filename should be your neptun code and the level you have solved (3 or 5). Please, do not upload your program if it does not meet the requirements.

You can ask questions from your lab teacher during the test trough Teams or email.