

From Previous:

1. Softserve task with STL:
  - a. generate file with 5000 names/words (random letters are fine)
  - b. Read that file and sort the names in ascending order.
  - c. Optionally – calculate hash of this dictionary: first, find “weight” of each word by the following law: word weight is sum of weights of its letters, like A – 1, B – 2, C – 3... Such, word ADDA = 1 + 4 + 4 + 1 = 10. Second, sum up all the weights of the words.
2. Connect Gtest to Qt project. Write **unit tests for sorting module** of the Softserve task
3. Revert single-linked list

Theory:

1. Iterator categories. Iterator tags
2. Functor class
3. GTest theory (syntax, capabilities)
4. Virtual destructor
5. All ways of initializing a vector (all constructors, etc)

Practice:

1. Unit tests + implementation of Functor Class that verifies whether a given string is a palindrome.
2. Unit tests + implementation of Functor Class that sorts a given char array. Please provide char array via **argv[]**.

WorkShop for Ivan

solve multiple merge conflicts in git