

Text concordance using BST

June 2, 2019

1 Project description

See the description of this problem in the book for further details.

Write a cross-reference program that constructs a binary search tree (any type, including splay tree) with all words included from a text file and records the positions (word or line numbers) on which these words were used. These line numbers should be stored on linked lists associated with the nodes of the tree. After the input file has been processed, print in alphabetical order all words of the text file along with the corresponding list of numbers of the lines in which the words occur.

2 What to turn in

You will turn in

1. *a short written report* containing: A description of the significant choices/issues in the design of your code.
2. The sourcecode of your program.

You may turn in the document via elearning.e-uvt.ro (Class moodle).

3 Coding standards

A percentage of your grade will be based on the quality of your code, so pay attention to it. Discuss changes (if any) you made to programs presented in class. Take extra care in documenting the code you are implementing on your own. Properly modularize the code (for instance implement separate functions for significant parts of the program).

4 Deadline

June 3rd, 2020.