**IMPLEMENTATION**

1. Create a class QuadraticSorting.

Place there the method InsertionSort using generics, as shown in Lec2aInsertionAndSelection.docx. It will be used in future assignments. (5 pnts)

1. Implement the Insertion Sort algorithm as a Java method for sorting doubly-linked list of comparable generics. For this purpose, create the classes DNode<T> and DoublyLinkedList <T>. The files that begin the implementation are posted; you should finish the implementation. Then the InsertionSort method will be in the class QuadraticSort. (35 pnts)
2. As a demo program, create a vocabulary (the list of words in alphabetical order) out of the given text file. Put this vocabulary in another text file. (10 pnts)
3. Implement the Selection Sort algorithm as a Java method for sorting arrays of comparable generics. A demo program: the same as in 1. (30 pnts)

Make sure not to include punctuation marks (other than dashes inside the words) in the vocabulary entries.

Bonus (5 pts): determine and output running time for both sorting methods.