**Wentworth Institute of Technology**

**Department of Computer Science and Networking.**

**Comp 2000 Data Structures Fall 2019**

**Lab #4 List**  (total 100 pts)

1. Finish the array-based implementation of the List ADT as described in 06bListArrayImplementation. (35 pts)
2. Finish the linked implementation of the List ADT as described in 06cLinkedList (35 pts)
3. Testing part. For both implementations: (30 pts)
4. create a list of all words from the supplied text file. Make sure all punctuation marks are discarded;
5. remove all words starting with letter ‘a’ (both cases);
6. output the indices of the words “to” and “be”;
7. write the new list into a new file;
8. clear the list and make sure it is empty;

Bonus (5 pts): replace all occurrences of “fox” in the list with “elephant”