PL10

Due Apr 4, 2019 by 3pm   **Points** 10   **Submitting** a file upload   **File Types** zip
Available Apr 2, 2019 at 3pm - Apr 4, 2019 at 3pm 2 days

This assignment was locked Apr 4, 2019 at 3pm.

Study Chapter 16 "Sorted Lists", Chapter 17 "Inheritance and Lists", and Chapter 18 "Searching".

Enter at least one interview question into the bank of "Interview Questions" - use your alias instead of your name. Find a question on the internet that pertains to any topic that we studied in this class.

IN PREPARATION FOR THE LAB:

- Write an algorithm in pseudocode for the binary search method using a while loop (iterative version)
- Write an algorithm in pseudocode for interval search algorithm (that you will implement in the lab). The algorithm must utilize iterative binary search algorithm)
- The *mode* of a list of values is the value having the greatest frequency. (You will implement this algorithm in the lab)
  - write an algorithm in pseudocode to find the mode of a sorted list using only methods of the ADT sorted list
  - what is the Big Oh of the algorithm if the sorted list has an array-based implementation?
  - what is the Big Oh of the algorithm if the sorted list has a linked implementation?