Lab Exam 2

Submit Assignment

Due   Monday by 3pm   **Points**   20   **Submitting**   a file upload

Available   Oct 28 at 11:59am - Oct 28 at 3:15pm about 3 hours

---

Hello there,

First. it is a closed-book, closed-note, closed-internet exam.

In this lab exam, you should be able to complete the following tasks

1. Import the data from the file called **studentsLab2.txt**

2. Data will be load into a class called student. You should have .h and .cpp file.

3. Student class has private variables studentID, firstName, lastName, phone and email.

4. You should implement a doubly linked list in a class called studentDB, using student (or studentNode) as the basic node.

5. You should implement deleteNode and insertNode functions, which take one node as object and insert to a specific place(you will have an int value passing into the function to give it the place), or delete as specific node(not from the given place, the user should be able to delete it based on its studentID of that node).

6. You should implement a sort function to sort the list based on its studentID(Hint: you can either do that in changing the value, or modify the pointer).

7. You should implement a split function to split the current doubly linked list at Nth node. The function should the head of the second linked list.

Once you finish it, DEMO is preferred, so you will have a higher chance to get a better score and know it right after the exam.

Good luck!