

Lab 7: LinkedList with Rules of Five

This lab requires you to complete the LinkedList class developed in class, then add rules of five to it.

The LinkedList class developed in class could be downloaded here:

<https://lyle.smu.edu/~zizhenc/file/LinkedList.zip>

1. Complete void add(unsigned index, int datum); function which is to add new datum to the index location.
2. Complete void remove(unsigned index); function which is to remove the datum of index
3. Complete rules of five: destructor, copy constructor, overloaded assignment operator, move constructor and move overloaded assignment operator.
4. Proper memory management.
5. No compiling errors.
6. Good submission.

Grading Rubric:

1. void add(unsigned index, int datum); function: 15 pts.
2. void remove(unsigned index); function: 15 pts.
3. Rules of five: 40 pts.
4. Proper memory management: 10 pts.
5. No compiling errors: 10 pts.
6. Good Submission: 10 pts.