

Lab Assignment #2 Grading Rubric

40 marks in Total

All parts completed according to the given specifications. Subtract marks for each component that is missing or that is not implemented according to specifications. **Provide feedback for subtracted marks.**

Detailed Mark Distribution:

test1(): new empty list is valid [2 marks: 1 mark for grading test cases + 1 mark for student test cases]

test2():insert_front() and insert_back() on zero-element list [3 marks: 2 + 1]

test3():select() and search() work properly [3 marks: 2 + 1]

test4():remove_front() and remove_back() on one-element list [3 marks: 2 + 1]

test5():replace() and reverse_list() work properly [3 marks: 2 + 1]

test6():insert_front() keeps moving elements forward [3 marks: 2 + 1]

test7():inserting at different positions in the list [3 marks: 2 + 1]

test8():try to remove too many elements, then add a few elements [4 marks: 2 + 2]

test9():lots of inserts and deletes, some of them invalid [4 marks: 2 + 2]

test10():inserts into an unsorted list, then sort the list [4 marks: 2 + 2]

test11():insert and remove into sorted manager in ascending order [4 marks: 2 + 2]

test12():insert and remove into sorted manager in descending order [4 marks: 2 + 2]

For **grading test cases**, comment out test cases that crash student code, and subtract marks accordingly. If it is a minor code problem that is causing the crash, subtract partial marks.

For **student test cases**, ensure that each test case matches its description. Award full marks if the test cases are adequate and if all assertions pass.

If the code does not compile under Dev-C++, try it under another IDE, such as CLion for Windows or XCode for Mac OS. If the compilation issues are minor (e.g., one or two mistakes), correct those. If it still does not compile, make a note of this and award partial grades based on code walkthrough.