

CS 311 HW Assignment 7 (Due by 9am on April 24th)

1. [30 points] Implement a Max Heap class.

Complete *client.cpp*, *maxHeap.h*, and *maxHeap.cpp*.

Submission

SUBMIT THESE 3 FILES IN A **ZIP FILE** TO COUGAR COURSES:

Always make sure the files you submit can be compiled on empress.csusm.edu.

- *maxHeap.h* -- class declaration (header file)
- *maxHeap.cpp* -- class definition (source file)
- *client.cpp* -- application (main file)

Note: Compress all the above files in a zip file, name it with your name, and submit the zip file on Cougar Course. For example, my first name is Xin and my last name is Ye, then I will name the zip file as *XinYe.zip*.

Grading

1. On Cougar Course, submit all the files in a zip file with your name. Otherwise, we will not grade it.
2. Your code should be compiled on Cougar Course. If there is a compilation error, you will get 0 points.
3. If your code fails in 1 test case, we will deduct 10% of the total points.
4. If your code fails in 2 test cases, we will deduct 20% of the total points.
5. If your code fails in 3 test cases, we will deduct 40% of the total points.
6. If your code fails in more than 3 test cases, we will deduct 90% of the total points.
7. The comments in your code count for 10% of the total points.
8. Additionally, we will deduct 10% of the total points for each day after the due date.