

# CS 311 HW Assignment 8 (Due by 9 am on May 4<sup>th</sup>)

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

Complete *client.cpp*, *hash.h*, and *hash.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](http://empress.csusm.edu).

- *hash.h*                      -- class declaration (header file)
- *hash.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.