CSC 230 Project 2: Electoral College Basketball League

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1 Why did you choose the data structure(s) you chose to store entry data?

The Data Structure I chose to use was a Priority Queue implemented with a Min Heap. I used this data a structure because it sorts pieces of data so the smallest piece of data is at the beginning of the queue and the biggest piece of data is at the end of the queue.

2 State and briefly justify the amount of time it takes to add one child to, and remove one child from, the relevant data structure

The Priority Queue implemented with a Min Heap can add one child and remove one child in O(log1) time.

3 What testing did you do to ensure that this program runs correctly?

I tested this program with a list of entries that were greater than the size of my league(size 10), and that had ineligible entries. This helped me make sure that my program ran successfully.

4 What help did you receive, and from whom, while solving this problem?

I used the Priority Queue data structure from Princeton University and I altered it to work for my program.