Sources: chatgpt, geeksforgeeks.com

The algorithm that I designed is used to best ensure best possible student grouping based on given group size. I think that the algorithm is good but due to its greedy approach, it performs multiple iterations to ensure that it is pairing the selected student with its best rated student. It will keep doing this until it finds the best possible grouping of students. Due to the nature of the code, if it is trying to compute a large number of students, it will become expensive to take the greedy approach because it performs many iterations, making it grow in runtime with a bigger data set.

So, if you tried to group a class of 100 - 1000 students, it would take a very long time to output the groups.