An input with quite a few numbers repeating would cause the algorithm to break as there would be difficulty assigning a unique color to each adjacent edge. The algorithm uses the greedy algorithm because at each step an edge is assigned a color or time slot based on the time slot or color of its neighbor and we try to minimize the number of colors or time slots used. Each course is a node and edges exist between courses or nodes that are adjacent to each other or in terms of the algorithm shared by a student, the courses are assigned time slots, or in other words, the nodes are assigned colors. The reason why I chose this algorithm, in particular, was because of its simplicity and efficiency and because I understood this one the best.