CS140 - Group Assignment 10

Due: Friday, April. 14 at 11:59pm

1. Dijkstra's algorithm is not guaranteed to compute the correct shortest path lengths if a graph has negative weight edges. However, there might be special types of graphs on which Dijkstra's is guaranteed to get the correct answer even if there are negative weight edges. Is a directed acyclic graph (DAG) one such example? In other words, if the graph is a DAG, will Dijkstra's always compute the correct shortest paths regardless of whether or not there are negative weight edges? Explain.

2. Checkpoint review

   Take the remaining time to discuss any material since the previous checkpoint that you'd like to revisit or are confused about.

3. What's the best advice you've gotten about college and where did you get the advice? (this could be related to any aspect of the college experience: applying, attending, choosing a major, school/life balance, etc)

4. Who attended your group session?