(Group Project)

Scenario: Consider a person who would like to travel to Amsterdam for a conference that will take place between July 16-21st as before. All the constrains from Assignments 1 and 2 still exist. This time the user wants to see a movie on one of the nights with her friend Ali, who is also attending the conference. Since she doesn't have too many nights, she wants to pick the right movie based on her trusted friends' choices but also needs to ensure that Ali will like to see the movie, too. However, she doesn't know the exact preferences of Ali so she cannot choose a movie on his behalf.

You are to develop a system that will enable this person's and Ali's agents to reach an agreement. Develop a mechanism, such as negotiation, that will enable these two agents to discuss a movie and reach a conclusion as to which movie to see. Feel free to add more details to the above scenario to make things more concrete.

Make sure that you develop scenarios (possibly with additional constraints) to illustrate how the agents would pick a movie over another, or when the trusted agents would suggest different movies. Consider cases when the person suggests a movie but Ali does not want it or vice verse. Try to show how each agent concedes to reach a decision. Illustrate when it is not possible to reach a decision.

You will give a demo of your system on the due date and hand in a detailed report as hard-copy. Be prepared to show all aspects of your project. You are responsible for facilitating the demo so make sure you have the necessary software.