Project title: Developing a Tool to Visualize Multi-Agent Patrolling

Group name/number: FALCONS  
Meeting #: 14  
Held on: Apr 26, 2017 at 3:50 P.M.

Location: Murphy Library  
Members of the group: Chaohui Xu, Yifan Gu, Sheng Zhang  
Topic(s) for discussion: check the problems that mentioned last meeting, evaluation report and report testing results which is based on the test data given by the professor.

Report writer: Sheng Zhang

All members came on time and the meeting started on time.

The team mainly talked about writing the report and team evaluations and testing results.

At first, we talked about the problems that we mentioned before. Yifan said that he has solved the bug when the user enters a step which will go beyond the end of the algorithm. During the last demo, when Sheng entered a step which would go beyond the end of the algorithm, the view would not be updated. Now this bug has been fixed. Then Chaohui said he made a little change to the graphic view, now it can show some large regions.

Then, Sheng said how we divide the writing work. Yifan said we need to take a look at the guidelines. Then he suggested everyone need to write his own paragraph in Implementation Strategies, Challenges and Learning. Because those three parts are somehow related to individual work. Sheng agreed that opinion. Chaohui agreed as well but he added that he can combine the writings of each member into one report. After we discussed, we decided to let chaohui complete the introduction part and combined the writings of each person.

Next, we discussed the results of testing. Chaohui indicated some bugs at first.

1. After running several steps, the graphic view disappeared. It happens rarely. Not sure when this situation happens.
2. When flipping between graphic view and block view, both views appeared in the same screen. This bug happens rarely as well.

After that, Sheng pointed out some bugs, he omitted the same bugs that Chaohui pointed out:

1. The error messages are not consistent. For example, some error messages displayed “the agent is out of the region” but some displayed “the region don't have the agent”.
2. Sometimes, the data displayed in the target lists are not correct as expected.

Finally, Chaohui and Sheng mentioned that there is a problem that the user can upload configuration file before selecting an algorithm. Yifan said he will solve this problem before next meeting.

As Yifan wrote the UI code, he didn’t find a lot of bugs.

Next meeting and its agenda:

The next meeting was planned to be on Apr 29, 2017 at 3:00 PM in Reuter group study room. The meeting will talk about whether those bugs are fixed, and report the test result again based on the test data files which are given by the professor.