**CS 744 – Management Issues in Software Engineering**

**Project Meeting**

**Project title**: A Tool to Visualize Multi-Agent Patrolling

**Group name/number**: 2

**Members of the group**: Zhihao Yuan, Anxin Liu, Guanzhong Qian

**Meeting #**: 3

**Held on**: Feb 9, 2017 at 2:00 P.M.

**Location**: Murphy Library

**Members present**: All members were present

**Members absent**: None

**Topic for discussion**: Database, User Stories and Sprints

**Report writer**: Guanzhong Qian

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

Yuan started the documents discussion from the feedback we got from the professor. Liu said meeting log is too short. And functions we implemented isn’t enough. Yuan said even though we have some mistake but the other documents are good. Qian said that that we should have more function to be implemented that we can show them in the next demo. Yuan and Liu are all agree it.

Qian started the system discussion with Database design. He gave a basic E-R diagram of database design. Liu thought that it was not good enough so that we spend more time on the database design. After the data structure was decided, Yuan said we need to have an Entity class for the record information which used in transfer and store with the database. Following the database which we have chosen the last time, Qian said we should built a database access to let our data communicate with the database. Yuan and Liu are agreed.

Secondly, Yuan said that we made a mistake in GUI design because we lost a reset function to restart the system. Qian and Liu are agreed on this advice. In particular, Yuan said that this week’s focus was on extending the GUI to include a section about the graphical view. Since Liu said we have already finished the block view and the physical view have already started, we should finish it before the next demo. Yuan and Qian are all agree on it. What’s, Liu said we could finish the switch the block view and graphical view. Qian ask whether we can finish the graphical view, Liu said not sure, and Yuan said just try our best to finish it.

For the sprints. Because we made some changes on the system, Qian said we need to update our sprints. Liu said the Test Case also need to be updated. Yuan agreed on both and ask whether we need to update the User Cases. Qian and Liu discussed this question and said we don’t need to update User Cases now.

Next, the team discussed the responsibilities for each individual in implementing the function symbols. Qian will set up the database and develop the database access methods to communicate with the database. And Yuan will create the record class. Liu will have a Unit Test of Record class. Yuan and Qian will discuss and try to get the algorithm of how to let agent go through regions. Liu will create graphical view GUI and Qian will let the agent walk around all the regions. Yuan will test the graphical view. After he graphical view is finished, Qian will create the GUI of switch block view and graphical view as well as the code the code foe switching, and Liu will test it.

After the conclusion of the meeting, the team agreed to come up with the rest of sprints for the next meeting.