**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 #**: 1

**Held on**: Jan 29, 2017 at 2:00 P.M.

**Location**: Murphy Library

**Members present**: All members were present

**Members absent**: None

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

**Report writer**: Zhihao Yuan

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

Qian started the discussion with the developing tool for the project. He suggests we can use C# or .net to implement the project because server uses windows system. Liu indicates this project is a light project so that we can use a light language to complete the project. Yuan suggests we can use JavaScript to complete the project because front end is core of the project. Most features can be implemented with JavaScript. Liu indicates the back end of this project doesn’t have too much work. Instead the team needs to pay more attention to front end. So the team decides to choose JavaScript to complete the project. After choosing language, Liu advices we can choose WordPress as web server, Mongo DB as database and Node.js as back end. Qian and Yuan agree on the advice.

For developing user stories, the team members unanimously agreed to read project description carefully before starting developing user stories. After reading, Yuan suggests we don’t need to consider the format of user stories at this stage. Liu points out the user want to switch between block view and graphic view. Qian thinks we can show two kinds of view in one page. Yuan points out it is too narrow so that switching is better. So we get first user story. Yuan indicates the user want to choose execute mode. The user may execute program step by step or execute program until the requirements of end are met. Qian are confused about requirements of end. He thinks the program can end until all open spaces are visited. Liu explains the program also can end until the step number upper limit is reach. Then Qian indicates setting step number upper limit should be a user story. Yuan and Liu agree on the idea. Liu indicates the user want to set features of environment. Then he explains what features are, including size, agents and regions. Yuan points out setting positions and number of agents and regions should be user stories. Qian advices viewing current record should be a user story. Yuan indicates viewing history record is a user story too.

For developing sprints for user stories, Qian thinks we can get sprints for a user story in four aspects. Qian thinks front end, back end, DB connection and test should be involved in sprints.

Yuan and Liu agree on the idea. Qian indicates the sprints of first stage. Yuan and Liu agree on the sprints.

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