Homework (Project) III Obstacle Avoidance

# Due Dates: 10/04/17, 10pm (Submission on blackboard)

# Points: 7.5

# Assignment Type: Groups (2-3 members)

As for your last homework, a clear user interface, and a readme are required. In particular, in your readme file, describe/justify all of the design decisions you make in this assignment:

1. What did you do for avoiding a group of agents? What are the weights of path following and evade behavior?
2. What are the differences in cone check and collision prediction’s performances?



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Implementation Requirement:

* As shown in the picture above, you are going to create two groups of agents, with at least 6 agents in each group
* One group starts from the lower left corner and one starts from the upper left corner. They cross paths at least 3 times before reaching the other end of the screen
* Implement **both cone check and collision prediction**
* Name your submission “collision\_ *last name\_first name*”