Describe in detail your choice of project, clearly specifying your final objective in terms of a performance metrics (measure of success). For your project:

- Provide two relevant use cases (can be a diagram, figure or an image or text – if it has to be an animation I will be happy to see it during your presentation);
- Provide the description of five agents that are essential for your particular AI application in terms of their capabilities. If needed – 'agentify' the components accordingly. If you have less than five different types of agents describe only those, making sure that you have exhaustively investigated that you cannot find five… If you only have 'one agent' type of project then describe it and do your very best to find something that can be 'agentified' in the environment with which your agent interacts – so you at least have two 'agents' to play with and accordingly apply the concepts learned at class;
- Provide the System Specification, Architectural Design (type of architecture) and Detailed Design (agent capabilities, event descriptors, etc) elements according to an AOSE methodology of your choice (you can create your own AOSE methodology, but in that case please specify every element clearly so I can understand your solution.)
- Provide a class diagram for your choice of architecture (similar to slide 47 in Lecture 3);
- Provide the interaction diagram showing messages between your agents for the two use cases chosen (similar to slide 41 in Lecture 9);
- Use as much as possible all the concepts that we have learned at class (such as e.g. 'middle agents'). If some concepts are irrelevant to your project still name them and state why are they irrelevant;
- For each of the two use cases show how your solution maximizes the performance measure chosen arguing that you found the best possible solution to your problem vis-à-vis other alternatives that were taught at this class (e.g. if you chose BDI architecture argue why this is better than logic-based one in case of your particular project. Do this for all the other alternative concepts that were taught).

As always – your creativity and ability to think independently will be rewarded in the first place – so (also as usual) I strongly encourage you to contribute your own original thinking and vision, even if it challenges what was taught at class. It is this 'muscle' that you have to train in the first place to succeed in your graduate studies and beyond when taking your career to new heights!

Please use a maximum of five pages of plain text and as many figures as you like (agent description tables will be considered as figures.) Please separate the figures from the text so I can determine that the five pages limit was respected. Please refer to the figures in your text and number them accordingly.

Project is due on November 18 at class.

If you want to clarify any matters or to validate with me and the class that you are on the right track – I am offering the opportunity of a preliminary presentation from each of you at the November 13 class.

Have fun!