CS255B Project Requirements

Your project will be graded based on the performance of the robot during the demonstration (60%), and the quality of the ideas, algorithms, and code that you turn in (40%).

1. **Source code turned in for review**
   Hard copies of the source code used in the project must be turned in on the day of the project demonstration, just before the demo.
   
   a) Source code should clearly show the team name and the participants.
   b) A précis of one or two pages is required. The précis should detail the algorithm used, any special techniques used, and how it is implemented.
   c) Source code should include all significant portions of the code, but doesn’t have to include code re-used from previous projects, or utility functions such as matrix multiplication.
   d) Source code should be readable, with comments liberally sprinkled to help guide the reader. We will be reading the code, so the easier you make it on us, the easier it is to give a good grade.

2. **Project performance**
   The project demonstration will be judged on the performance of the robot in doing its task.
   
   a) It is expected that your code will run on the robot computers, for efficiency in execution and controlling the robot.
   b) Your code should already be downloaded to all robots that will be used in the demo, so that you can perform when requested on any given robot.
   c) You should have an easy start-up procedure or script for running your demo. It is not acceptable to type for 2 minutes to get your project started.
   d) Generally you will be expected to perform the task on the first try. We will be liberal in allowing retries for minor problems (two Player servers running at once, etc.).
   e) Judging criteria for robot performance is stated in the project descriptions. If you have any questions about what is required, don’t hesitate to ask.
   f) Exporting graphics to another computer, to show the internal workings of the robot, is highly recommended although not required.