Final Project Report

Due: Thursday, 15 December 2011 (to be picked up on Friday, 16 December)

Prepare the following report to complete your final project. Please attach the graded copy of your project proposal to your report. You may submit a single report for your team’s project.

Turn in the report by sliding it under my office door (Olsen 206). Be sure that it is stapled, so your pages do not get mixed up with someone else’s.

1. Briefly describe the goal(s) and/or task(s) of your robot. You discussed this in your proposal, but often the final outcome doesn’t exactly reflect the proposal. If you changed your design between your proposal and the final project, please describe what you changed and why you changed it.

2. Describe the design of your robot, including the motors and sensors used, their placement, and how the robot moved. Include a sketch and/or photo of your robot. Did your design change from the project proposal? If so, how and why?

3. Describe your code design for your robot. What were the behaviors you designed into your robots? Did you choose to multitask or did you have a single process? Use pseudocode to describe your code design.

4. Attach your code for your robot to the report. Be sure to comment your code, at least one comment per code block.

5. Did your robot behave as you had planned during the demo session? If not, what happened? Did the interactions people had with your robots happen according your design (if the robots were interactive)? Did people respond to your robot in the way you would have expected? If not, why do you think they responded the way they did?

6. If you were to redesign your project, what changes would you make?

7. For your group project, describe the portions of the project that were completed by each team member.

8. If you were to redesign the course, what changes would you make? (You may turn this in separately, if you wish. You will not be graded on this question.)

The text of your report should be 4-8 pages long, excluding photos of your robot and the code attachment (but including the pseudocode).