CS225a Spring 2016-17

CS225a Final Report

For your final assignment in Experimental Robotics, you will write a 5 page report detailing your project (not including figures/images). The report should be submitted as a pdf file on Gradescope, and should be neatly formatted and clearly written. Make sure to include your group name and the names of all members at the top of the report.

The report is due Monday, June 12 at 11:59pm. We will not accept any late submissions.

Below are detailed guidelines for structuring your report.

- *Abstract/Introduction*. Introduce your project at a high level. What was your motivation for choosing this project? Explain the challenges of your task, and summarize the design of your final implementation. This is similar to the milestone and in-class presentations. (~1 page)

- *Final implementation*. Now describe each subsystem contained in your final project. Provide technical detail on how you implemented them. This includes noting what algorithms you used, how you implemented them (or what library you used), what hardware you designed or used, and how you controlled the robot. Also, explain how you integrated the subsystems. We want specific implementation details, e.g., your control equations, data preprocessing, etc. (~2 pages)

- *Challenges*. Discuss the major problems you ran into, and your solutions for solving them. For each problem, tell us about what you did to resolve it, and what other options you considered. If you had to reimplement your project from scratch, would you do anything differently? (~1 page)

- *Results/Conclusion*. Give us your final thoughts about the project. What were the most important lessons/skills that you learned? Include at least one link to a video of your demonstration. (~1/2 page)

- *Feedback*. Let us know what you thought about the class overall. What can we change or do better for future iterations? Would you recommend the class to your friends? (~1/2 page)