Name 1, Name 2, Name 3
UID 1, UID 2, UID 3
CS 152A Section 4
October 16, 2016

CS 152A Lab 2: Name of Lab

Introduction (10%)

Summarize background information about the lab. Describe what you are designing, describe the proper behavior of the top level module. This may include descriptions of the inputs, outputs and the functionality of the module. If there are manual steps needed to trigger the module, include those as well (ex. pressing buttons or switches).

Design Description (15%)

This section is for documenting the detailed design aspects of your modules. If you have multiple modules within your design, individually describe each one and include schematics and code snippets for those modules. Also describe the interactions among the modules and how they are wired together. You may include any additional information (such as finite state machines, digital logic, etc) to help illustrate detailed parts of your design.

A good thing to do would be to first provide a picture of the high level schematic (with each module labeled), describe the interaction between the modules, then have sub-sections to describe each individual module.

Simulation Documentation (10%)

This section is for documenting all simulation efforts (testing your modules with testbench). Include what test cases were tested and what the expected results/behaviors were. Document any bugs found during simulation and include simulation waveforms. Also include code snippets of the testbench source files (just the portion that was added, no need to include the entire file). Briefly explain the contents of the testbench source files.

Conclusion (5%)

Summary of your design and the results. Did your design pass all the tests you tried? Note any difficulties you encountered and how you dealt with them. Include a brief description of each team member's contribution to the lab. Also include any suggestions for improvements to the lab if any.