Final submission guidelines

Your final submission for the class should consist of:

- Project report
- Slide printouts for all 3 presentations (proposal, design and the final presentation)
- Compact disk with all the relevant files (proposal and final report write-ups, elaborately commented source code, presentation slides, etc.)

The submission should be neatly bound, and *all* items should be clearly marked with full names of all team members, name of the course (CS179E: Project in Computer Science - Compilers) and the quarter (Fall 2004).

Project report

- **Cover page**
  Trivial, but believe it or not people often forget about it.

- **Table of contents**

- **Introduction**
  Objective. Motivation. Relevance. Assumptions. Area(s) of the compiler construction process your project focused on. Project goals.

- **Background**
  Related work. Existing software you intend to use.

- **Language design**
  Items listed in the language design document. Items not directly applicable to a specific project can, of course, be omitted.

- **Language specification**
  Items listed in the language specification document.

- **Language implementation**
  Items listed in the language implementation document.

- **Project implementation**
  High-level program overview: structure and flow, data structures and algorithms employed, if the program was modularized, how, etc.

- **Implementation details**
  Describe each class/file used, what it does, input/output, list methods/functions along with their prototypes, etc.

- **Test cases**
  Include at least 3 programs for your compiler. Explain which features of the language/compiler each program illustrates. Provide results of running the test cases.

- **Project evaluation**
  Compare and contrast your original intentions with the final outcome. List all the problems you have encountered and the adjustments you had to make. List all discoveries and insights you have made while working on the project.

- **Future work**
  Expansions and additions that naturally follow from your work.

- **Conculsion**
  Significance of your project. Possible uses and applications.

- **References**
  Related documents. Software you had used.

- **Appendix A: Project timeline**
  Gantt chart.

- **Appendix B: Code snippets**
  Include selected, well-documented sections of your code that illustrate a particular solution or situation.

- **Appendix C: Screenshots** (if applicable)

Final Presentation:

An overview of your project. Focus on issues that you have not covered in the first two presentations; previously discussed issues should be covered briefly, as an overview. Expect to talk for up to 90 minutes.

Final presentation should include a short (up to 15 minutes) demonstration of your project.