ECSE 444: Microprocessors
Final Project: Initial Report

Due March 25th, 2019, 11:59 PM

The initial report is expected to provide:

1. An overview of the system, including figures (e.g., block diagram).
2. A description of your design approach, including testing and evaluation procedure.
3. Detail any plans you have for further implementation and evaluation.

You will be graded on (a) the clarity and (b) organization of your report, as well as the (c) technical content you present. It is understood that work remains to be done, and that your overall design may change after the submission of this report.

Change Log

- 15-Mar   Initial revision.

Formatting

Your report may be up to two (2) pages long using the IEEE conference proceedings format. *Use of the IEEE format is required.* LaTeX and Word templates are available here:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

All figures must be included in the two pages; appendices are not permitted. Consequently, you will not be able to include a large number of large screenshots; use the space wisely, redrawing figures for clarity as necessary.

Recommended Elements

The purpose of your report is to describe the structure of your design, the rationale for your design choices, and the methods you used to refine and test it. You should assume that your audience is familiar with basic microprocessor system design, but not with the details of your design in particular. In this context, your report should:

1. Introduce the design problem.
2. Introduce your solution, in general terms, with a block diagram (if applicable).
3. Describe in some detail the different components of your system (hardware and software), including why you implemented particular elements.
4. Describe how you chose particular parameters and how you evaluated the system.
5. Describe your results and explain the behavior you observe.

In the event that some of the above elements are incomplete (which is to be expected at this point), describe and justify your plans for the final deliverable.

Figures should be included only if they support some aspect of the above; any figures that you include must be described. Annotated, cropped figures work best: screenshots are infrequently valuable by themselves.

Grading

This portion of the project will be graded as follows, out of 25 points:

1. Clarity—e.g., grammar, syntax, quality of figures   5 pts
2. Organization—e.g., structure and flow of the report   5 pts
3. Technical content—e.g., design, evaluation methodology, and results   15 pts

Hand In Procedure

Hand in, via MyCourses, in a single PDF.