

University of California at Berkeley
College of Engineering
Department of Electrical Engineering and Computer Sciences

EECS150
Spring 2013

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4/27/13

Project Report

A final report for your project is due by 8AM on Tuesday 5/7. The report should be around 8 pages total, perhaps around 5 pages of text and 3 pages of figures (plus or minus a few pages on each). Better reports will mix the text and figures together.

Here is a suggested outline and page breakdown for your report. You do not need to strictly follow this outline, it is here just to give you an idea of what we will be looking for.

1. **Project Functional Description and Design Requirements.** Describe the design objectives of your project. For MIPS groups, you do not need to go into the details of the MIPS ISA, but you should describe high-level design parameters. For all other groups, you should include a high-level description and functionality of your system and brief summary of your technical approach. Do not just copy and paste the technical approach section of your project proposal.
(≈ 0.5 page)
2. **High-level organization.** How is your project broken down into pieces. Block diagram level-description. If you choose to include a block diagram please make sure it is legible and either neatly drawn or computer generated. (≈ 1 page)
3. **Detailed Description of Sub-pieces.** Describe how your circuits work. Concentrate here on portions of the design that you had to implement. For non-MIPS groups, this means modules such as your graphics engines, or specialized accelerators. (≈ 2 pages)
4. **Status and Results.** What is working and what is not? This section is particularly important for non-working designs (to help us assign partial credit). For non-MIPS groups, what design goals of your project proposal did you accomplish? What fell short? Also if you decided to change the design parameters of your project proposal mid-way through the semester please elaborate on why you did so. (≈ 1 page)
5. **Division of Labor. This section is mandatory.** How did you organize yourselves as a team. Exactly who did what? (≈ 0.5 pages)
6. **Conclusions.** What have you learned from this experience? How would you do it different next time? (≈ 1 page)
7. **Statistics. This section is mandatory** How many LUTs does your final design use? What is the maximum clock speed that your design can run at? Approximately how many total hours did each of you put into this project? (≈ 3 lines)

When we grade your report, we will grade for clarity, organization, and grammar. Make sure to proofread and correct mistakes before turning it in.

Please turn-in your report as a PDF file—*no other formats please*.

To submit your report, check-in a file called “report.pdf” in the top-level of your git design repository.

Finally, if you are not a MIPS processor group, please commit a README file to the top level of your git repository along with your report. This README file should contain instructions on how to build your project and test functionality so that we can reproduce your system and assign partial credit if necessary. A shell script is even better but not necessary.