Project Part 5

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(a) What did you learn from this project?

Well, there are really a lot that I have learned, of which the most important and impressive one may be that I produced my first cpu. To be honest, I never expected I can do this. My specification is computed imaging, so I really didn’t know anything in computer field at all before I started this course. It’s not easy to finish the project, especially part 4; you’ll find a lot things which you are not familiar with and even the first time for you. Class is good, but only after you make use of those knowledge from the class, you can really understand what’s going on in reality.

(b) What would you do differently next time?

Next time? I don’t think I need to do any changes. I mean, not because my project is perfect, but because there is no perfect project in the scope of this course. Current cpu technology is far more complicated than this course, so it’s unnecessary to stick on doing anything “perfect” in this project. Just finish those basic things, and make them working as you expected, that’s enough. If you really think you gonna be the expert in computer architecture, or you want to build your own system, read those complementary material listed in the slides, and do more after the class. It seems we don’t have any advanced architecture course, so probably you need to learn by yourself. Here I recommend a course from U of Michigan, <http://www.eecs.umich.edu/courses/eecs470/?page=schedule.php> which focuses more on advanced tech.

(c) What is your advice to someone who is going to work on a similar project?

Treat it seriously, but don’t make it too hard. This is a wonderful project if you are new people to this area. By “new”, I mean you haven’t built processor before. Just implement those basic functions at first. Then, if you do have more time, which I don’t, you can add some new units into the processor.