CprE 381, Computer Organization and Assembly Level Programming

Team Contract – Project Part 1

Project Teams Group: SecB_02

Team Members: Eli von Nordheim

                       Sam Forde

                       _____

Discuss the following aspects of teamwork with your team – make sure to get input from each member. Write down your team's consensus for each of the bolded headings. Italicized text contains instructions and examples and should be deleted once you've read it. Please see the example contract for rough length expectations.

Course Goals: *List and acknowledge the goals of your individual team members. Examples may include:*
- Pass the course

Team Expectations:
- **Conduct:** *What are the expectations for personal conduct of group members?*
    - Work is expected to be completed in a timely manner or any obstacles quickly communicated
- **Communication:** *What is the best mode of communication for the group? How often should communication occur? How fast should a response be expected?*
    - Most communication will happen over test, responses should be within an hour during reasonable time with exception for extraneous circumstances and unavailable hours. Unavailable hours should be communicated.
- **Group conventions:** *Naming conventions? Compilation and simulation methodology? Testbench strategies? Do file usage? Version control strategies? Commenting standards?*
    - Files should be named using underscores in place of spaces, all lowercase. Testbenches should begin with tb_, test benches should exhaust at minimum a few typical cases as well as target edge cases. For version control, GitHub will be used. Comments should be thorough at the level of functional components of the code (entity, process, etc.) and by line in difficult to read snippets.
- **Meetings:** *Given the significant portion of the course that the lab covers, it is expected that your team will spend more time working on the labs than in your scheduled lab sections. How will your group expect to handle this? Please include*

Examples of other issues to consider include:

- o Monday: 10:00-12:00PM
- o Friday: 10:00-12:00PM
- o Focus on integration during in-person meeting time, work separately as time permits.
- **Peer Evaluation Criteria:** *Please create a brief criteria for how effort and contribution are defined. Note that teams with **vastly** divergent scores may require a meeting with course instructor and result in different grades for different group members. Teams with reasonably equitable scores will receive the same grade.*
    - o Timeline adhesion
    - o Communication effectiveness
    - o Debugging contribution/code quality
    - o Meeting attendance

Role Responsibilities: *Complete the following planning table. Each lab part should be the responsibility of one team member. Also make sure that no one team member is the lead on both the design and test aspects of a single lab part. These guidelines aid in all students having a complete view of the lab. Note that the non-lead is encouraged to participate and support the lead wherever possible, increasing both the quality of the lab part and each team member's knowledge.*

Lab Part	Estimated Time	Design		Test	
		Lead	Timeline	Lead	Timeline
High-level design	1 hr	Eli	10/07	Eli	10/07
Test programs	4 hr	Sam	10/18	Sam	10/21
Control logic	2 hr	Eli	10/09	Eli	10/09
Fetch logic	3 hr	Sam	10/09	Sam	10/09
Barrel shifter	2 hr	Eli	10/09	Eli	10/09
ALU integration + Misc updates	2 hr	Sam	10/14	Sam	10/14
High-level integration	4 hr	Eli	10/18	Eli	10/21
Synthesis (human effort)	1.5 hr	Eli	10/23	Sam	10/23

*Estimated Time is given as a **very rough** guide for even distribution of tasks assuming you've already read through the lab document and have the prerequisite knowledge. Depending on your group's skill and prerequisite knowledge, some tasks may take disproportionately long or short. For your future planning, track this – for future prelabs you will be asked to note why past tasks took longer than expected and how you might avoid such issues in the future.*

Integrity of Work: *Do not delete the following.* We agree that the work we provide to other team members and ultimately submit for a grade is a direct result of our own work as described in the course syllabus. Specifically, we will generate all VHDL code

ourselves and not copy VHDL code from online sources, other groups, book companion material, or past student projects to which anyone outside of my team has contributed.

Student Signature __Eli von Nordheim_____   **Date** _10/02/24_____

Student Signature __Sam Forde_____   **Date** _10/02/24_____

Student Signature _____ **Date** _____