

Saifil Ali
CSCE-312-502
Project
323008228

Individual Project Report

1. **Lab number:** Project
2. **Date of submission:** Friday, December 4, 15
3. **Your Name:** Saifil Ali
4. **Group member names:** Chris Folleras, Jonathan Wang.
5. **Your role in the assignment:** My role was to create bidirectional bus and 5-bit increment responsible for adding 1 to a 5-bit number. I also made them organized by taking all .circ files from my teammates.
6. **List of the parts of the design that you alone did:** There are several things I did in this lab that are as follows:
 - Creating bidirectional bus
 - Created 5-bit increment
 - Put the pieces of puzzle together to build a whole CPU
 - Collected circuit files from both of my partner.
 - Took screen shot of all circuit files, so I can use them in Group Report.
 - Wrote Group report.
7. **List of parts of the design, which you did along with other group members:** (Mention their name against the part of the design.)
 - Chris help me explain register file so I can able to fetch all those values addresses in to my bidirectional bus and enabling them on particular need.
 - Jonathan helped me understanding his approach in ROM and RAM so I can easily fetch values from it, apply adder, and then store back it into the RAM.
8. **List of the advantages that you perceived in this team based design assignment:**
 - Workload was equally divided.
 - Communication and team coordinating skills enhance that can aid our future projects.
9. **List of the disadvantages of team based design assignment:**
 - Time management issue since we did this assignment with the help of github communication instead of meeting up.
 - Since everyone did their own particular part, I think I have little knowledge of their problems as compared to them, and similarly they have little knowledge about my part as compared to me. So I think there was a knowledge gap in learning new things.
 - Since finals week is coming, no one is giving really hard efforts to show up for group meeting.
10. **According to you, which your group member's design was superior (or how their designed parts can be improved):**

According to me, all of our designs are superior in some manner. But again I think, not giving time to your project group meeting is a very poor choice for my teammates and me. But, I still think that I finally able to finished it.