

Weekly Report

Date:10/9/13

Group name : Portable FPGA Based Serial Bus Multiplexer (Group 13)
Client/Advisor: Dr. Somani, Dr. Celik
Attendees/Role: Steven LeBlanc - Leader/Firmware Design Adriana Ceylan - Communications/Hardware Design Darin Cleveland - Webmaster/Hardware Design Justin Wheeler - Software Design

Accomplishments For Past Week

What	Who	Date
Research alternatives for memory, decided on SDRAM.	Adriana	10-5
Created a project file to incorporate adding the SDRAM.	Adriana	10-9
Assisted Steven working out USB communication. Investigated USB Device demo program on Altera CD.	Darin	10-6
Working on Writing to USB Controller's Register and Reading Back	Steve	Unfinished
Working on getting the UART testbench to work.	Justin	10-9

Plan for Coming Week/Individual Tasks

What	Who	When
Incorporate the SDRAM into Jtag/USB/UART - UART- Nios system design. Start testing out the Nios system to test UART.	Adriana	10-17
Assist Steven with USB communication.	Darin	10-17

Rework Hardware project and implement "Golden code"	Steve	10-11
Work on writing to USB controller register and reading right back	Steve	10-16
Finish UART testbench one way or another, figure out how to test PC-side API.	Justin	10-16

Pending Issues

Issue	Responsibility
JTAG connections for programming the Nios Have become spotty. Connection will randomly die leaving us with inability to load new firmware.	Adriana, Darin, Steve

Individual Hourly Contribution

Darin Cleveland	4
Adriana Ceylan	4
Steve LeBlanc	11
Justin Wheeler	4

Meeting Minutes: 10-9

8:10 - **THINGS ARE NOT LOOKING GOOD. 3 WEEKS BEHIND, WORK BOTTLENECKED.**

-USB controller write to register not working. As if code is not running.

8:22 - debugging brainstorming.

-tutorials can be wrong. Weak pull up for unused pins causing problems?

-difference between on compiler and on embedded systems.

-positive and negative acknowledgments for debugging.

8:36 - check all pins, see if any going to the USB. could be disabling it.

-Koray will work with Steven a bit, try to debug.

8:44 - must catch up.

8:50 - demo files not working. Could be due to outdated file paths. Recopy files to new directory.