



NEW YORK CITY COLLEGE OF TECHNOLOGY

The City University of New York

FALL, 2014

## Component and Subsystem Design II

CET 4805 SECTION **D485**

Meeting Day: **Friday**

**INSTRUCTOR:** Prof. Y. WANG

**STUDENT:** **Last name, First name**

## LAB Title

**Submission Date** mm/dd/yyyy

### **Write a lab report:**

- A title page with the lab title, your name and other identification, the current date
- The problem written in English
- The flowchart to solve the problem if it is necessary
- The design entry included (VHDL and Schematic)
- The simulation result for designed digital component if it is necessary
- The analysis for the simulation
- The pin assignment- the table for assigning the circuit inputs and outputs to specific pins on the FPGA
- The configuration for the FPGA Device (JTAG)
- The test table you designed to record and verify the designed circuit on hardware
- If you modify or create a program in a lab exercise, the source code for that program should appear in the laboratory report
- The conclusion
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### **Lab report can be written in several sections (for your reference):**

#### **Lab Objective:**

The equipment used that includes software and hardware and materials:

**Lab Overview:** how this project (or lab) can be designed and implemented?

**Lab implementation:** (source code, flow chart, analysis):

- 1) Problem solving for procedure 1

#### **Project results for procedure 1 :**

- a. Enclose the screen shot from your programming output or photo (or video if any)
- b. Enclose the partial source code for above screen shot in format

- 2) Problem solving for procedure 2

#### **Project results for procedure 2:**

- a. Enclose the screen shot from your programming output or photo (or video if any)
- b. Enclose the partial source code for above screen shot in format:

- 3) Problem solving for procedure 4

#### **Project results for procedure 4:**

- a. Enclose the screen shot from your programming output or photo (or video if any)
- b. Enclose the partial source code for above screen shot in format:

- 4) Problem solving for procedure 4

- a. ....

#### **Conclusion and summary:**

#### **Lab report submission:**

- 1) Group lab report in doc or pdf format
- 2) The source code vhd if any