REPORT FORMAT

For CS342/CS343
Instructor: Professor Izidor Gertner
Spring 2022

IF YOU HAVE ANY QUESTIONS, PLEASE ASK ME IN THE CLASS TODAY.
Write your reports and answers to take home tests following the format below.

Be sure to include all sections in the report and table of content.

Note: No handwritten reports will be accepted.
File Name you submit : **LAST_NAME_DATE_MYDADDERPROJECT,**

I. REPORT FORMAT:

- TITLE page: Report title, your name, date, course
- Table of Content
- The header on each page contains last name, first name and date
- Objective:
  - What is the **goal** of this lab or test? (NOT an Introduction!)
- Description of Specifications, and Functionality
  - What is the digital system you are talking about?
  - Include all screenshots with Figure captions
  - Include VHDL code (C/C++, assembly code) for every block and explain.
  - Every entity (function) in your design MUST have your last name as a prefix.
    - **Last_name_MYDADDER.vhdl, Last_name_MYInput_A, etc..,**
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    - All components you design must be placed IN A PACKAGE.
    - Package name has to have your Last name as a prefix.
    - (Please refer to class notes on how to do the above).
- Simulation
  - Include screenshots of the vector waveform input and output file.
  - Demonstrate in simulation the functionality of each block in your design.
  - **INCLUDE SCREENSHOTS AND EXPLAIN HOW YOU VERIFY CORRECTNESS OF THE DESIGN.**
  - Explain TestBench program you have written
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- Demonstration the operation of your design on a FPGA board and include PICTURES. **PLEASE EXPLAIN WHAT DO SEE IN THE PICTURES. CONCLUSIONS.**
- Conclusions
  - What did you learn? (Just to say: ” I learned a LOT” in enough!)
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II. CREATE A VIDEO OF YOUR DEMONSTRATION (No more than 2 Min, and no more than 200 Mbytes) The video is required for every lab and Take Home test and will be presented tp the class.

The format of the video:

- **Title page**
- **Your live picture and you say:**
  “ My name Mike, I am going to present demo on (Lab Title)Bitwise operations, course number, semester, etc.”
- **Actual technical presentation.**