LAB Assignment #5 for ECE 443

Assigned: Wed., Oct. 6, 2010
Due: Wed., Oct. 13, 2010

Description: Download VGA code and prepare to demo it

The objective of this assignment is to expose you to a second design unit, the VGA. You are not required to write any VHDL code for this assignment but rather just download the code under the lab5_files link, create a project and test it out. We will discuss the VGA in class so you become familiar with its operation. We have already discussed many of the constructs in this VHDL code so you should be able to understand its operation. In the next lab, you will be required to modify it, so take this time to understand it.

In order to motivate you to study and modify the code, points will be assigned as follows:
No modifications to the VHDL code: 80 pts
Some type of modification that is apparent on the screen, e.g., color change, paddle shape change, etc.: 90 pts
Noticable modifications, e.g., score display, a second paddle added for two players, major background changes: 100 pts
Outstanding modifications, e.g., left to the imagination: 105 pts

Laboratory Report Requirements:

None: Prepare to demo your code in class using a monitor that I will bring.