ECE 3135 Final Project

In this project, you will design and build an alarm clock to be implemented on the Basys2 board. The alarm clock should meet the following requirements.

1. It displays in 12 hour or 24 hour modes selected by a slide switch (SW7).
2. It has two independent alarms that can be turned on with slide switches (SW6 for alarm 1 and SW5 for alarm 2).
3. The clock displays HHMM to the four-digit display, and should increment at two speeds (normal and test modes) selected by a slide switch (SW4).
4. Setting of time and alarms is not specified for design flexibility. One possible design is to use method in Homework 6. i.e., using push-button switches with four slide switches.

The final project is due before the final exam. Submit a zipped file of a project folder containing all submissions (project directory containing source codes, project file, as well as project report, etc.) to Blackboard. The file and directory name should be your first initial followed by last name.