ECE-412
Spring 2018
Lab 4 Demo Check List

Group Name:_____

Date:_____

On demo day, have the tasks listed for each of the following parts ready to demonstrate. Have your demonstration code open and ready to execute. Your demonstration code should be your own code where applicable. Practice your demonstration and knowledge of these tasks before the actual demo. I suggest that you create your demonstration code as a single project, demonstrating each task in your own original order and manner. Comment every line of your demonstration code and list your code in your report under software heading.

• Can re-engineer the RESET and or TIM1_COMPA interrupt handler(s) to make the LCD backlight "breath" or continuously increase and decrease in intensity using PWM, from max to min then min to max intensity repeatedly. (15 points)

Tip: Choose an output frequency where the LCD backlight looks solid and not flickering. I think 120HZ is a good frequency and so do HDTV manufacturers. Engineer the code to vary the duty cycle continuously from min to max then max to min repeatedly.