

ECE 266 Lab Report #3  
Group 2

## Lab Submission

Your group should write a lab report that includes the following:

1. Describe the responsibility of each person in your group, and estimate the breakdown of contribution in percentage (e.g. 50% and 50% for a two-person group, or 33.3%, 33.3% and 33.3% for a three-person group).

Note: If one contributes 40% or higher in a two-person group or 25% or higher in a three-person group, he or she may receive the same grade as the group gets.

The responsibility was split 50-50. We coded separately and then combined our work based on what worked best.

2. Describe how you have revised the stopWatchIncrement() function in “swincrement.asm”.

We used the provided template for c2 and copied it thrice. Then we modified the code depending on the digit in the display, c1 needed to be coded from 0 to 5, s1 needed to be coded from 0 to 10 and s2 needed to be coded from 0 to 5. We also had to be careful about the wrap-around.

3. Describe how you have revised the checkPushButton() function in “main.c”.

For SW1, or case 1, if the system is in Pause we changed the state to Reset. In Reset, we made sure all the digits of the seg7Display are set to 0.

For SW2, or case 2, if the system is in Run state, we set it to Pause and else if it is in Pause or Reset, we set it to Run.

4. How much flash memory does your program take? How much SRAM memory?

My program takes 12806 bytes (4%) of Flash Memory and 1940 bytes (5%) of SRAM Memory.

5. Estimate how many hours in total you and your partners have worked on this lab.

We spent a total of 2 hours coding and 3 hours debugging this project. checkPushButton() took the bulk of our time.