MEMORANDUM

TO: Dr. Yoder

FROM: Asa Bromenschenkel

DATE: September 30, 2014

SUBJECT: Homework02 Etch-a-sketch using Command Line and Button Interrupts

1. Installing the latest shipped image on the BeagleBone

   I have installed the latest image. It is from September 5, 2014.

2. Setting up a host computer with Linux for kernel development

   I am running a VM with Ubuntu 14.04 LTS.

3. Gathering all the needed SD cards, cables, etc.

   I checked out the kit, as well as purchased the Beagleboard with SD cards.

4. Installing git on your host

   Git has been installed in both the host and guest operating systems as well as the Bone. My username is ADraicBrom and all files for this course will be contained in the ECE597 folder. The files for this assignment are in the Homework02 sub-folder.

5. Signing up for the two beagle Google groups

   I have signed up for the Google groups and responded to the prompts.

6. Writing a simple Etch-a-sketch program

   The etch-a-sketch program has been written. It has the options of typing “up”, “down”, “left”, and “right”. The program was then updated for Homework 2 to utilize four button inputs in place of typing in the command line. The README in the git repository contains the information for setting up the buttons.

   I also wrote a program that switches LEDs in correspondence with button presses. It is titled Buttons-and-LEDs. The README also contains information for this program.

Notes on Homework 03:

After struggling with the loss of my files with the corruption of my Linux partition, I am getting closer to catching up with the class. I currently have the TMP101 temperature sensors working with the Beaglebone and will hopefully have all homework up to the current date by the end of the week.