Lab\_2\_offboard\_blink

Offboard blink in this assignment connects the databoard to LEDS on a breadboard with capactirors and resistors in between in order to make use of the signal (voltage) given from the data board. In this case The 2 LEDs on the board will light based on clock frequencys from the databoard. LED 1 will light every 1000 cycles (1 second) and LED 2 will light every 500 cycles (.5 seconds). A .1 and .01 Farad capacitor in parallel before VCC regulates the voltage from the processor to the LEDs as well as 10 ohm and 10k ohm resistors resptively. The reason for this is to regulate the voltage coming from the databoard to the LEDs for safe operation.