Lab 8: Arduino Music Box (PCB)
Duration: End of class.

In our previous lab assignment, we designed an Eagle schematic for our Arduino Music Box that plays a tune when a push button is pressed. The schematic had an ATmega328p IC, resistors (2x 10K, 2x 220 ohm), capacitors (2x 22 pF), 1x 16 MHz crystal, 1x LED, 2x push buttons, and 1x CR1220 battery holder. Today, we will continue with the design and finish the PCB design and ordering.

Things to note:
(a) Your PCB must have your name (or nick name) and the date on it, e.g., John D. (Oct 2018).
(b) Label all components properly (especially the pin header).
(c) Make your PCB as small as possible. PCBs having too much empty spaces are highly discouraged.
(d) Your PCB must be fully routed and checked for errors, and ready to be sent to fabrication house.
(e) You must order the PCB by the next class.

Circuit (same as the previous lab)