ECEN2270 Lab 1 Demo Setup

Your team demo score will be based on how well you meet the following setup requirements:

1. The Part B prototype circuit on the proto-board should be complete and should follow the prototyping guidelines described in the Lecture slides.
2. LTspice schematic should be displayed on a computer screen, together with simulation waveforms showing $V_{OUT1}$ and $V_{OUT2}$ waveforms. The LTspice schematic should follow the circuit drawing guidelines described in the Lecture slides.
3. The Part B prototype circuit should be powered from $V_{DC} = 12V$ and functional:
   a. Two oscilloscope voltage probes (in 10:1 setting) should be connected to show signals $V_{OUT1}$ (channel 1) and $V_{OUT2}$ (channel 2).
   b. The trigger should be on channel 1.
   c. The scope horizontal scale should be set so that several periods of the waveforms are visible.
   d. The vertical scales (volts/div) and waveform positions should be set on the scope screen so that both $V_{out1}$ and $V_{out2}$ are clearly and easily visible.
   e. There should be no measurements or cursors shown on the scope screen.

Your individual demo score will be based on how well you individually perform tasks or answer questions related to the Lab 1 materials, such as:

- Being able to setup an instrument according to instructor’s request
- Being able to show a circuit component on the proto-board
- Being able to show a waveform on the scope, or by simulation
- Being able to perform a measurement using the scope or another instrument

While a team member is performing a task or answering a question, other team members should remain silent and not participate.