PAMANTASAN NG LUNGSOD NG MAYNILA
(University of the City of Manila)
Intramuros, Manila

Microprocessor Lab

Laboratory Activity No. 1
Familiarization with TinkerCAD

Score

Submitted by:
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<Saturday 1:00-7:00pm> / <CpE 412-2>

Date Submitted
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Submitted to:

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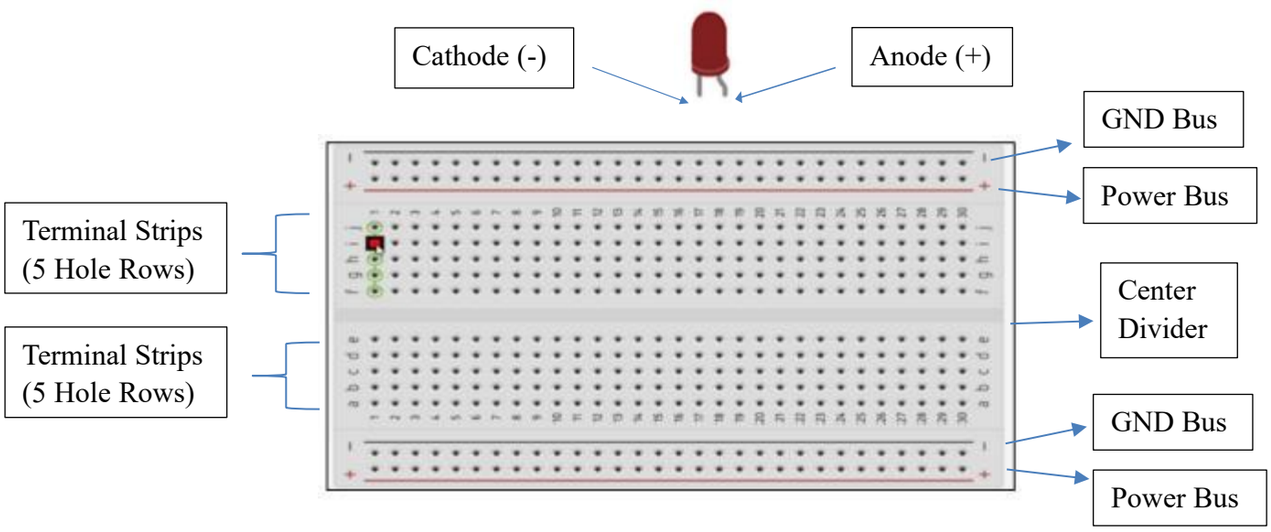
1. Exercise
    a. A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called **Prototyping Process**
    b. In Tinkercad, **The Start/Stop Simulation** tests the working of the circuits and the components.
    c. The device used to assemble and connect the various components is known as **breadboard**
    d. In an electronic circuit with LED, the positive end of the circuit should be connected to **anode** and negative end should be connected to **cathode** of the LED.
    e. A **resistor** is used to restrict the flow of current to electrical components

2. Label the following:

    a. Anode and Cathode in a LED
    b. Different parts of breadboard



    c. List the electronic components used in a circuit assembly
        1.Breadboard
        2. Arduino uno R3
        3. LED
        4. Resistor (1k ohms)
        5. Jumper wires
        6. Potentiometer (Analog I/O)