



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 10:00-1:00PM> / <CPE 0412.1-1>

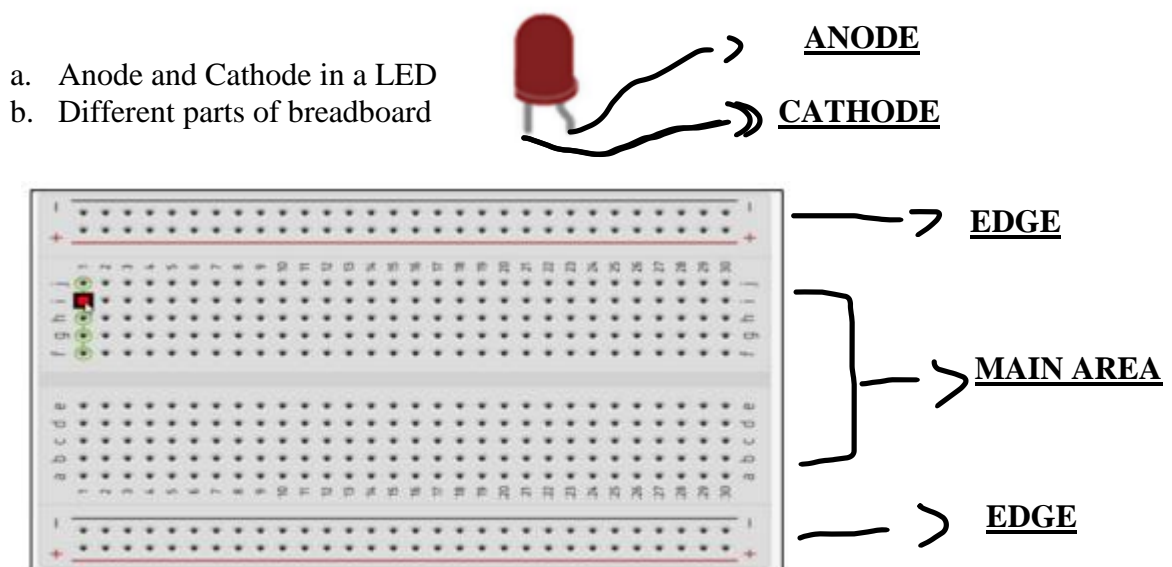
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Submitted to:
Engr. Maria Rizette H. Sayo

1. Exercise

- a. A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called **SIMULATION**.
- b. In Tinkercad, **DESIGN AND 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:



c. List the electronic components used in a circuit assembly

1. Resistors
2. Capacitors
3. Inductors
4. Diodes
5. Transistors
6. Integrated Circuits (ICs)
7. Resistor Networks
8. Capacitor Banks
9. Transformers
10. Connectors
11. Switches
12. LEDs (Light Emitting Diodes)
13. Relays
14. Crystal Oscillators

- 15. Potentiometers
- 16. Fuses and Circuit Breakers
- 17. Voltage Regulators
- 18. Sensors
- 19. Buzzers and Speakers
- 20. Printed Circuit Boards (PCBs)