

EVALUATION

Student: _____

Visual Basic version

- Program simulates electrical circuit correctly.
- Circuit bitmap in main window.
- User inputs/selects the resistance of R1 using a control.
- Prevent user from continuing unless a valid resistance is entered/selected (this includes pre-selecting a resistor.)
- User selects an LED for use in the circuit using another control.
- Prevent user from continuing unless a diode is selected (this includes pre-selecting a diode.)
- User can then vary the voltage (E) between 0 volts and 12 volts using control, stepping by 0.1 volts at a time.
- Effects on the circuit continuously updated and displayed on the screen.
- Power dissipated by R1 displayed.
- Current through the LED displayed.
- Colour of label located next to the LED, changes correctly.
- "About..." dialog box included.
- About box displays your name and date of latest revision.
- About box displays an icon.
- "Exit" menu item (or equivalent)
- Exit ends the program.
- "Clear"/"Reset" menu item (or equivalent).
- Clear resets E to zero, and LED/R1 to defaults.

/18 Total for VB Version

C# version

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/18 Total for C# Version

/4 Enhancements:

/40 Total for Lab #1