



Embedded Project

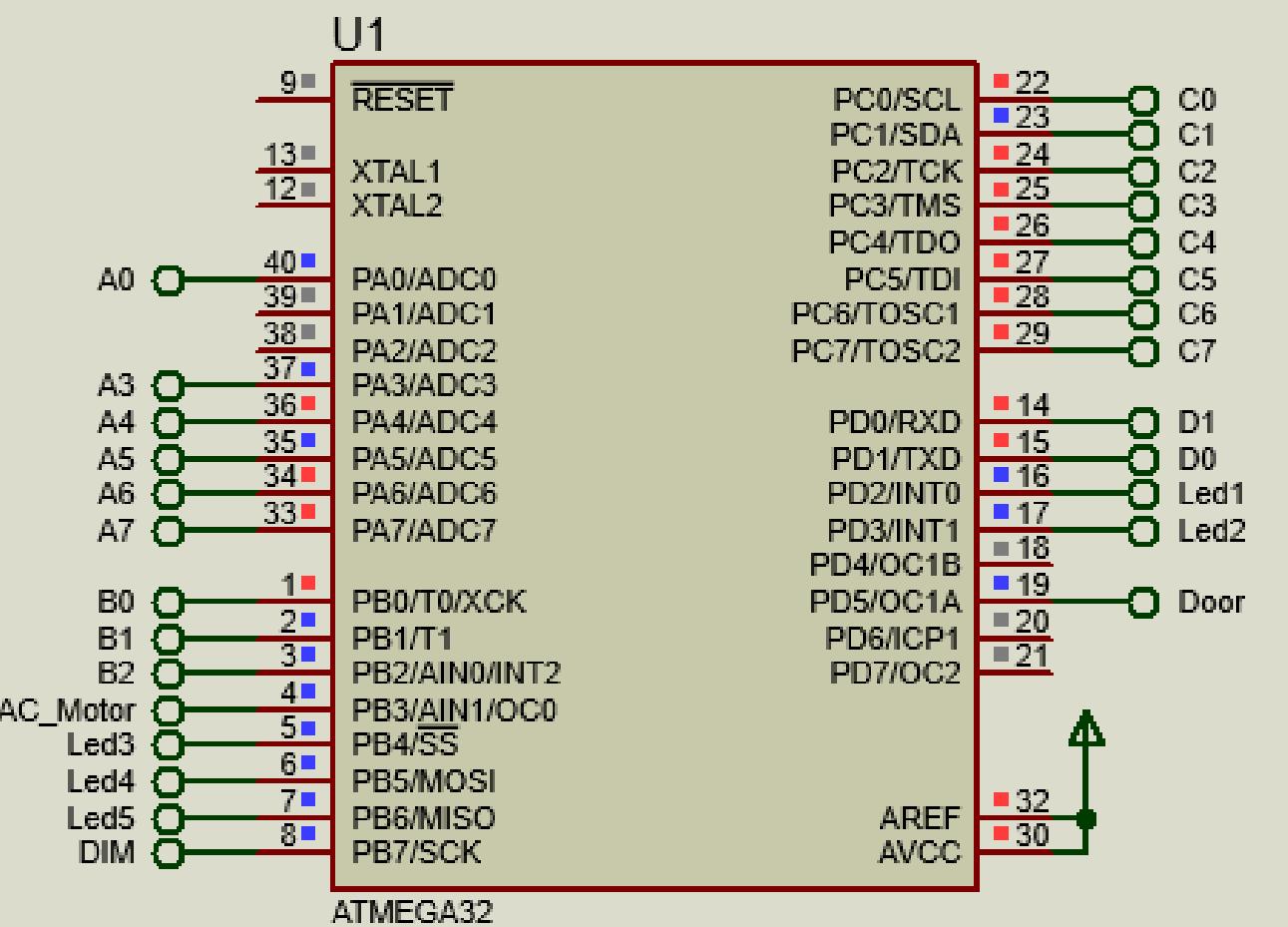
Smart Home

next slide →

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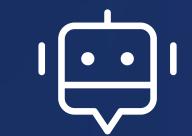
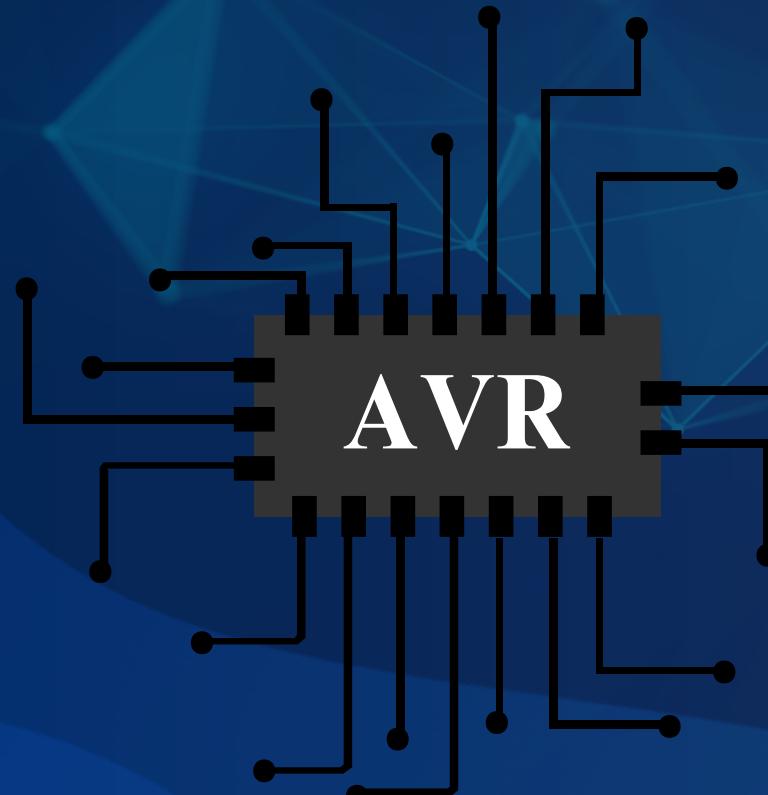
01

SMART_HOME

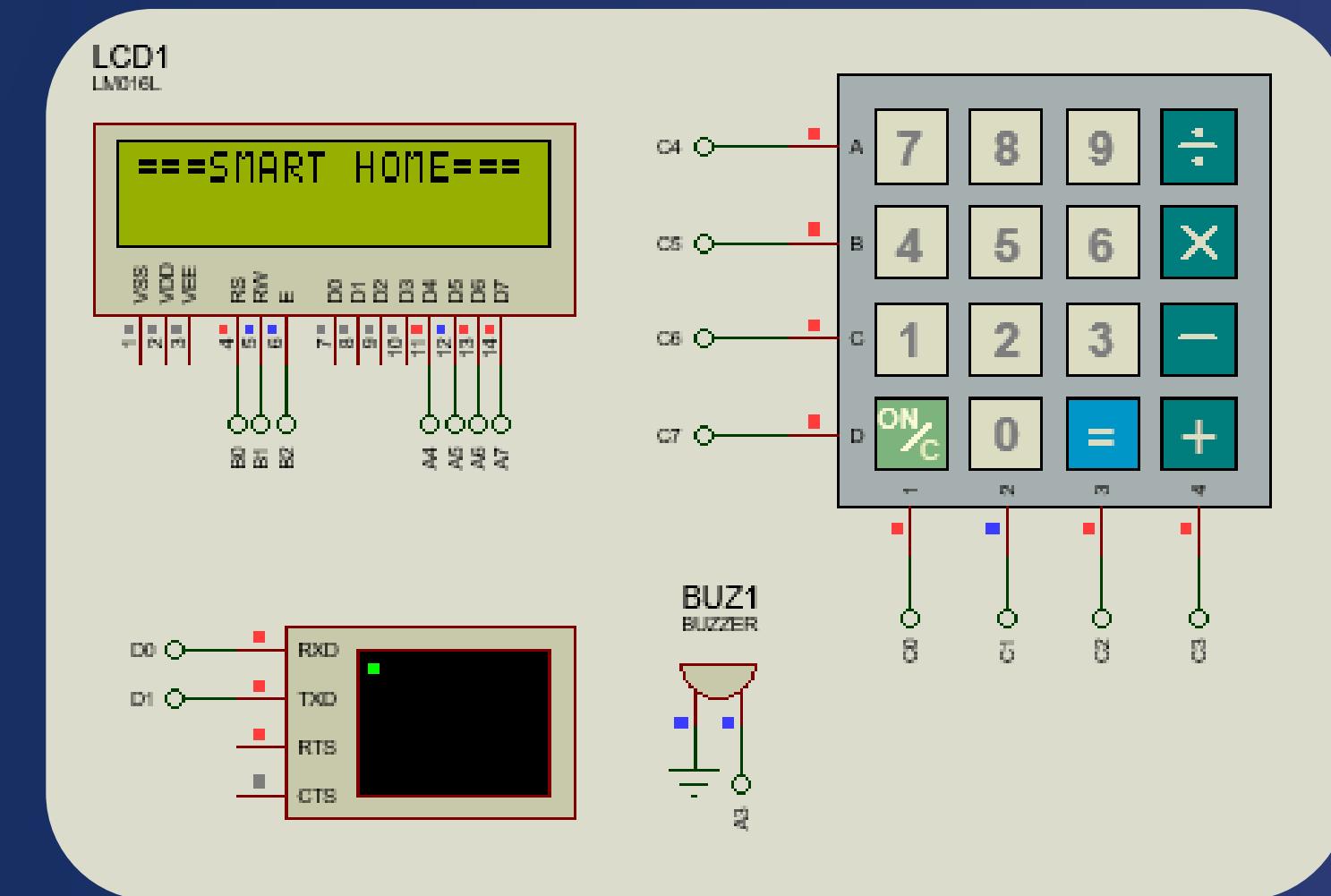


Smart Home
Microcontroller

02



LCD & Keypad



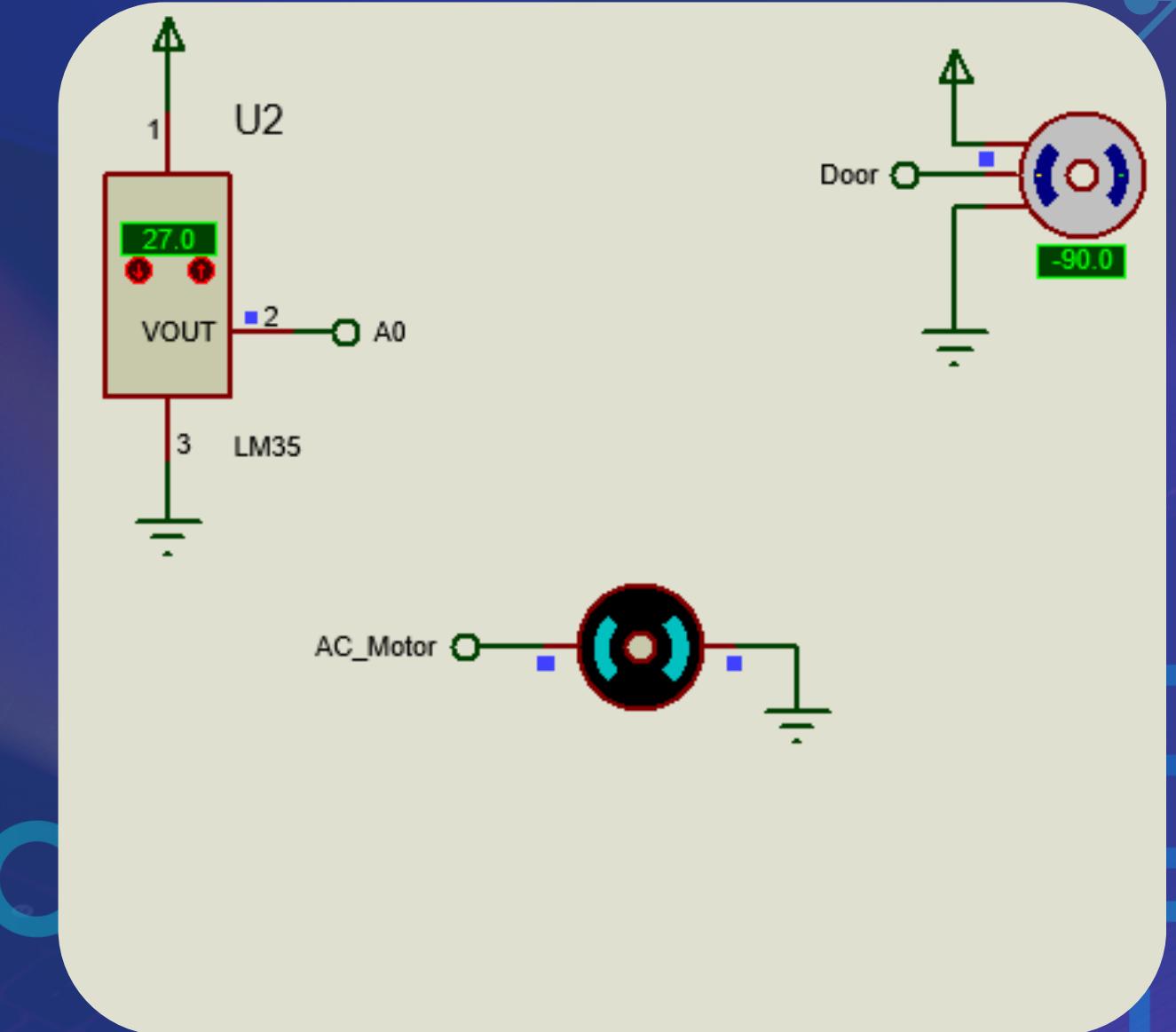
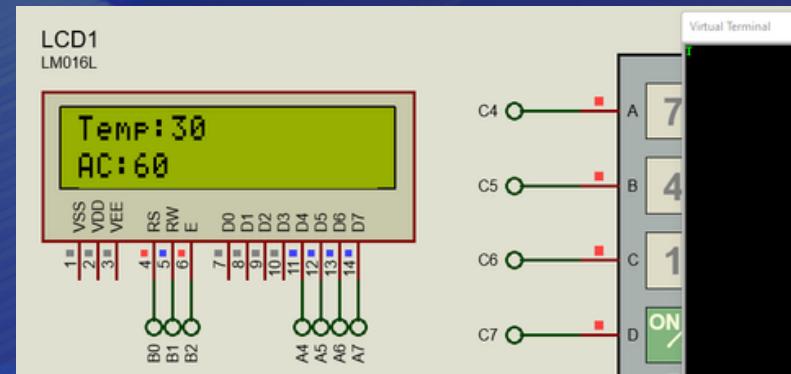
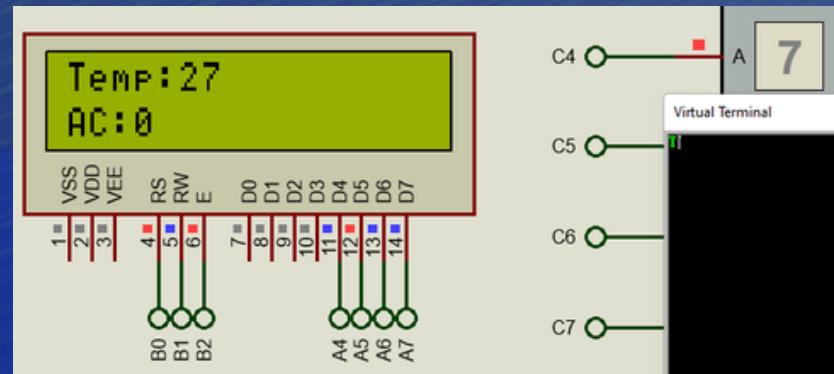
Here is the LCD & Keypad, First we enter a password to either access the Admin-Mode or the User-Mode and each of them have a different controls over the smart home.

There is a three password tries, After the three tries the system locks down and trigger the buzzer.

03

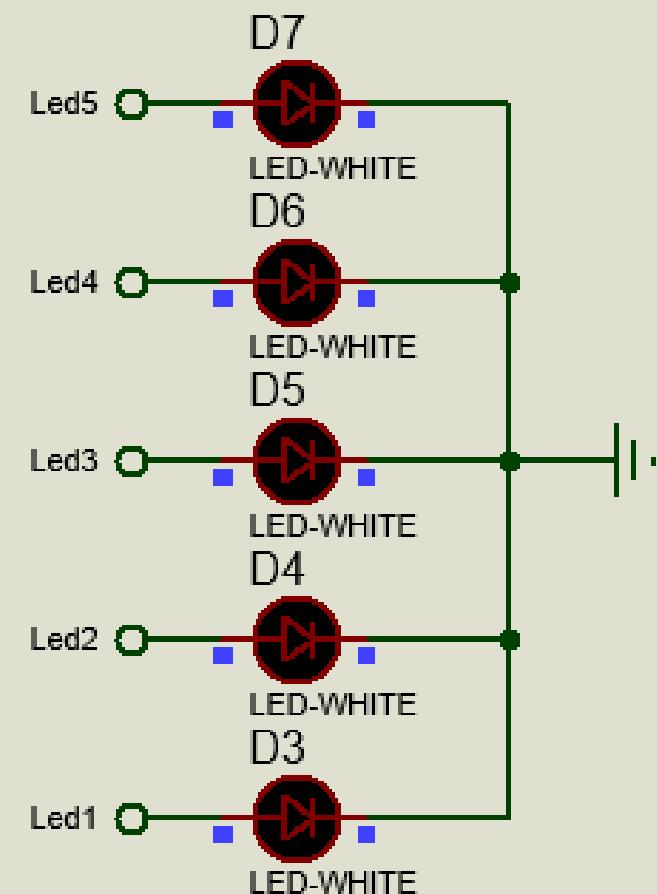
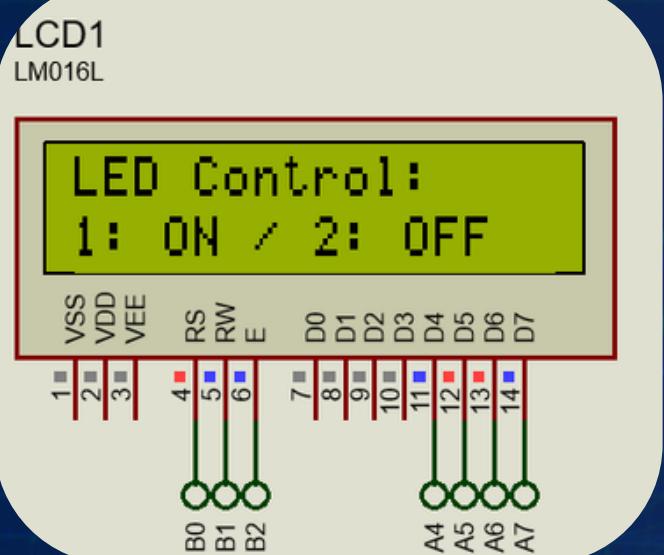
Sensor & Actuators

- The LM35 reads and displays the temperature, if the temperature is higher than 28°C The Motor turns on at 60%.*
- If the temperature reaches 21°C the Motor turns off.*



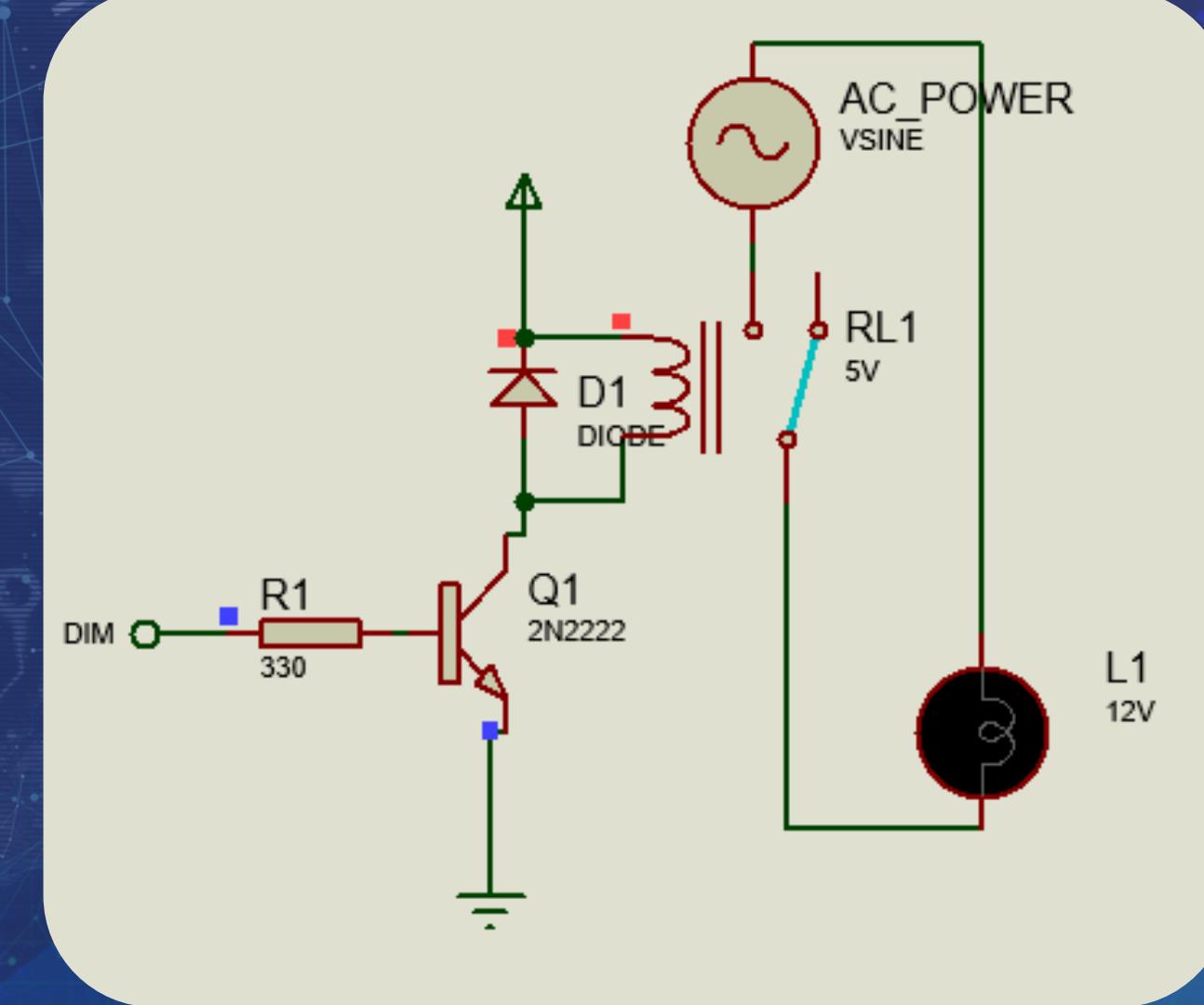
- For The Door control, The Admin has the access to the door system while the user doesn't have the authority to access the system*

LED Control



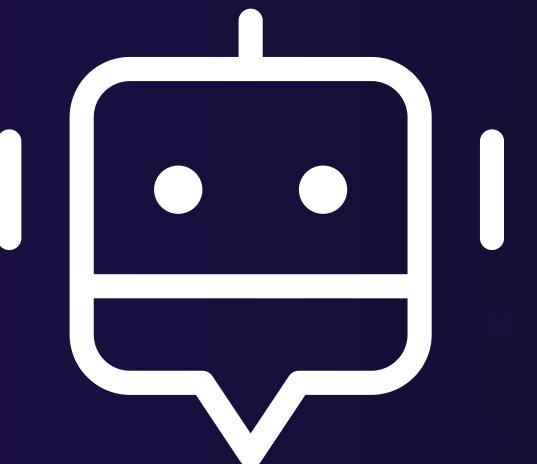
LED

- *For the LED, you choose either 1 or 2 for ON/OFF.*
- *Then you enter the number of the LED you want to turn ON/OFF.*
- *The Admin and User control the dimmer circuit that controls the 220V Bulb.*



Dimmer

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thank you