Lab 3

In this lab, you are going to use the tasks you did in lab 2 to create a home security system that functions and follows. - [20]

a. The system has an on/off switch that activates or deactivates the security system. [1]

b. A burglar is detected when a shadow is cast on the LDR or the push button is pressed. [2.5 x 2][5]

c. When a burglar is detected, the security system needs to produce an alarm. This involves the buzzer producing a sound every 1-second while the LED blinks each second. This should continue for 1 minute. After the elapse of 1-minute, the alarm should stop and wait to detect the burglar again. [6]

d. The system should also send an alert to an online database when a burglar is detected. This will signal the owner if he/she is away from home. [4]

    i. Set alarmStatus=1, room='your assigned room', name='your name', key='H0m3Secur!Ty7'.

e. After generating the alarm for 1 minute, send another alert to the online database to signal that the alarm is off. [4]

    i. Set alarmStatus=0, room='your assigned room', name='your name', key='H0m3Secur!Ty7'.

Use this URL

https://iotdemo.healthkioskgh.com/lab3.php?insert=1&alarmStatus=0&room=kitchen&name=uryeur&key=H0m3Secur!Ty7