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//Info@2023

#include <EveryTimer.h>

#define PERIOD\_MS 1000

EveryTimer timer;

Bool active = true;

#include <Wire.h>

#include <LCD\_I2C.h>

LCD\_I2C lcd(0x27);

#define BLYNK\_PRINT Serial

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

// You should get Auth Token in the Blynk App.

// Go to the Project Settings (nut icon).

#define BLYNK\_TEMPLATE\_ID “TMPL3xi5cUpfZ”

#define BLYNK\_TEMPLATE\_NAME “MEDICINE BOX REMINDER”

#define BLYNK\_AUTH\_TOKEN “hhZ9xqwDYf70N92qARajfsDKGFqjLJmQ”

Char auth[] = BLYNK\_AUTH\_TOKEN;

// Your WiFi credentials.

// Set password to “” for open networks.

Char ssid[] = “IOT”;

Char pass[] = “123456789”;

#define ir1 D5

#define ir2 D6

Int sec1,sec11,act1;

Int sec2,sec22,act2;

Int stkcount=10,count;

Void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

pinMode(ir1,INPUT);

pinMode(ir2,INPUT);

timer.Every(PERIOD\_MS, action);

lcd.begin();

lcd.backlight(); //Activate backlight

lcd.home();

lcd.setCursor(0,0);lcd.print(“SMART MEDICINE”);

lcd.setCursor(0,1);lcd.print(“ BOX”);

delay(3000);

lcd.clear();

Blynk.begin(auth, ssid, pass, “blynk.cloud”, 80);

Blynk.virtualWrite(V1,” “);

}

Void loop() {

// put your main code here, to run repeatedly:

Timer.Update();

Blynk.virtualWrite(V0,sec1);

Blynk.virtualWrite(V2,sec11);

Blynk.virtualWrite(V3,stkcount);

If(digitalRead(ir2)==LOW)

{

Timer.Update();

If(sec1==15){Blynk.logEvent(“msg”,”TAKE MEDICINE”);Serial.println(“Take medicine one”); Blynk.virtualWrite(V1,”TAKE MEDICINE”); lcd.setCursor(0,0); lcd.print(“TAKE MEDICINE “);delay(4000); lcd.clear();act1=1; sec11=0;}

If((digitalRead(ir1)==LOW) && (sec11<=10) && (act1==1)){count++;stkcount--; Blynk.logEvent(“msg”,”MEDICINE TAKEN”);Serial.println(“ MEDICINE one TAKEN”); Blynk.virtualWrite(V1,String(‘”’)+”MEDICINE TAKEN”+String(‘”’)); lcd.setCursor(0,0); lcd.print(“MEDICINE”); lcd.setCursor(0,1); lcd.print(“TAKEN”);delay(4000); lcd.clear();act1=0; sec1=0; sec11=0;}

Else if((digitalRead(ir1)==HIGH) && sec11>10 && act1==1){count=0;Blynk.logEvent(“msg”,”MEDICINE NOT TAKEN”);Serial.println(“MEDICINE one NOT TAKEN”);Blynk.virtualWrite(V1,String(‘”’)+”MED NOT TAKEN”+String(‘”’));lcd.setCursor(0,0); lcd.print(“MEDICINE”); lcd.setCursor(0,1); lcd.print(“NOT TAKEN”);delay(4000); lcd.clear(); act1=0; sec1=0; sec11=0;}

}

Else

{

Blynk.logEvent(“msg”,”MEDICINE STOCK ZERO!”);

Blynk.virtualWrite(V1,”MEDICINE STOCK ZERO!”);

Stkcount=0;

}

If(count==3){Blynk.logEvent(“msg”,”CONSECUTIVELY 3 MEDICINES TAKEN!”);

Blynk.virtualWrite(V1,”CONSECUTIVELY 3 MEDICINES TAKEN!”); count=0;}

Delay(500);

Blynk.run();

}

Void action()

{

Sec1++;

Sec11++;

}