#include <LiquidCrystal.h>

#define IR\_MORNING 7

#define IR\_AFTERNOON 6

#define IR\_NIGHT 5

#define LED\_MORNING 11

#define LED\_AFTERNOON 2

#define LED\_NIGHT 3

#define BUZZER 4

LiquidCrystal lcd(8, 9, 10, 11, 12, 13);

void setup() {

pinMode(IR\_MORNING, INPUT);

pinMode(IR\_AFTERNOON, INPUT);

pinMode(IR\_NIGHT, INPUT);

pinMode(LED\_MORNING, OUTPUT);

pinMode(LED\_AFTERNOON, OUTPUT);

pinMode(LED\_NIGHT, OUTPUT);

pinMode(BUZZER, OUTPUT);

lcd.begin(16, 2);

Serial.begin(9600);

lcd.print("System Ready");

}

void loop() {

if (digitalRead(IR\_MORNING) == HIGH) {

lcd.clear();

lcd.print("Take Morning Med");

digitalWrite(LED\_MORNING, HIGH);

tone(BUZZER, 1000, 500);

Serial.println("Morning Reminder");

delay(3000);

digitalWrite(LED\_MORNING, LOW);

}

if (digitalRead(IR\_AFTERNOON) == HIGH) {

lcd.clear();

lcd.print("Take Afternoon Med");

digitalWrite(LED\_AFTERNOON, HIGH);

tone(BUZZER, 1000, 500);

Serial.println("Afternoon Reminder");

delay(3000);

digitalWrite(LED\_AFTERNOON, LOW);

}

if (digitalRead(IR\_NIGHT) == HIGH) {

lcd.clear();

lcd.print("Take Night Med");

digitalWrite(LED\_NIGHT, HIGH);

tone(BUZZER, 1000, 500);

Serial.println("Night Reminder");

delay(3000);

digitalWrite(LED\_NIGHT, LOW);

}

delay(1000);

}