Arduino iot cloud

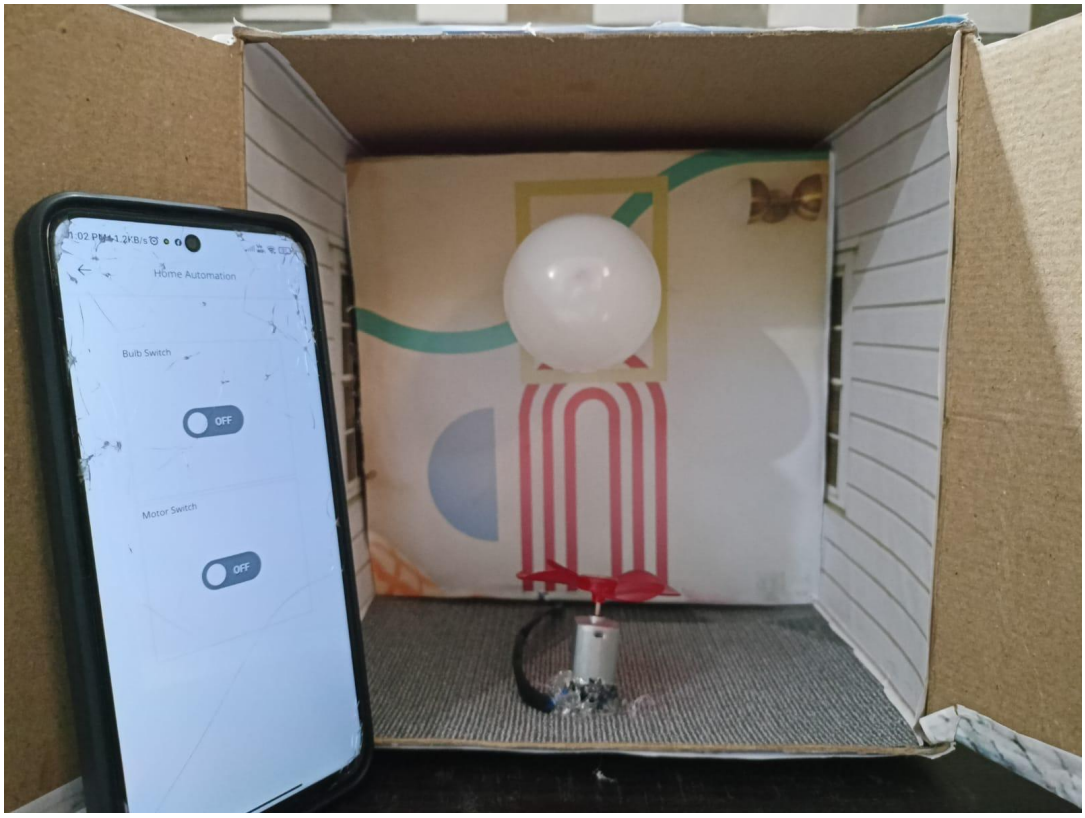
https://create.arduino.cc/iot/things

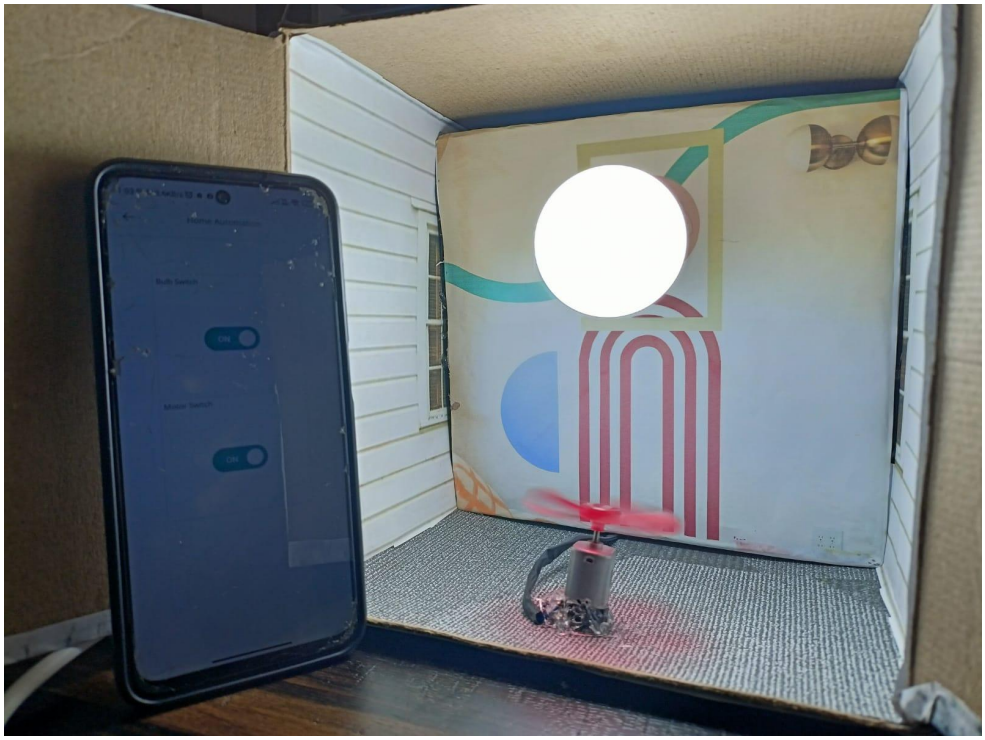
Code

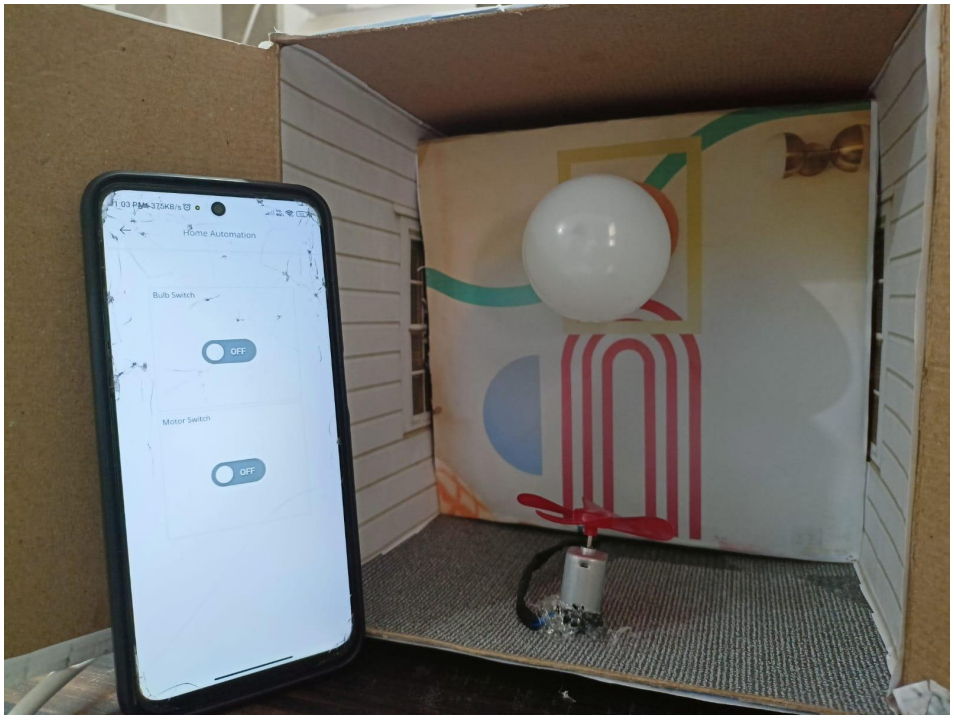
```
#include "thingProperties.h"
#define relay_pin 13
#define motor_pin1 12
#define motor_pin2 14


void setup() {
  // Initialize serial and wait for port to open:
  Serial.begin(9600);
  // This delay gives the chance to wait for a Serial Monitor without blocking if none is found
  delay(1500);

  pinMode(relay_pin,OUTPUT);
  pinMode(motor_pin1,OUTPUT);
  pinMode(motor_pin2,OUTPUT);

  // Defined in thingProperties.h
  initProperties();

  // Connect to Arduino IoT Cloud
  ArduinoCloud.begin(ArduinoIoTPreferredConnection);

  setDebugMessageLevel(2);
  ArduinoCloud.printDebugInfo();
}

void loop() {
  ArduinoCloud.update();
  // Your code here
}

void onRelayChange()  {
  // Add your code here to act upon Relay change
  if (relay == 0){
    digitalWrite(relay_pin,HIGH);
    }
    else{
      digitalWrite(relay_pin,LOW);
    }
}
```

```
/*
  Since Motor is READ_WRITE variable, onMotorChange() is
  executed every time a new value is received from IoT Cloud.
*/
void onMotorChange()  {
  // Add your code here to act upon Motor change
    if (motor == 1){
      digitalWrite(motor_pin1,HIGH);
      digitalWrite(motor_pin2,LOW);
    }
    else{
      digitalWrite(motor_pin1,LOW);
      digitalWrite(motor_pin2,LOW);
    }
}
```

Images






Home Automation
Bulb Switch
OFF
Motor Switch
OFF