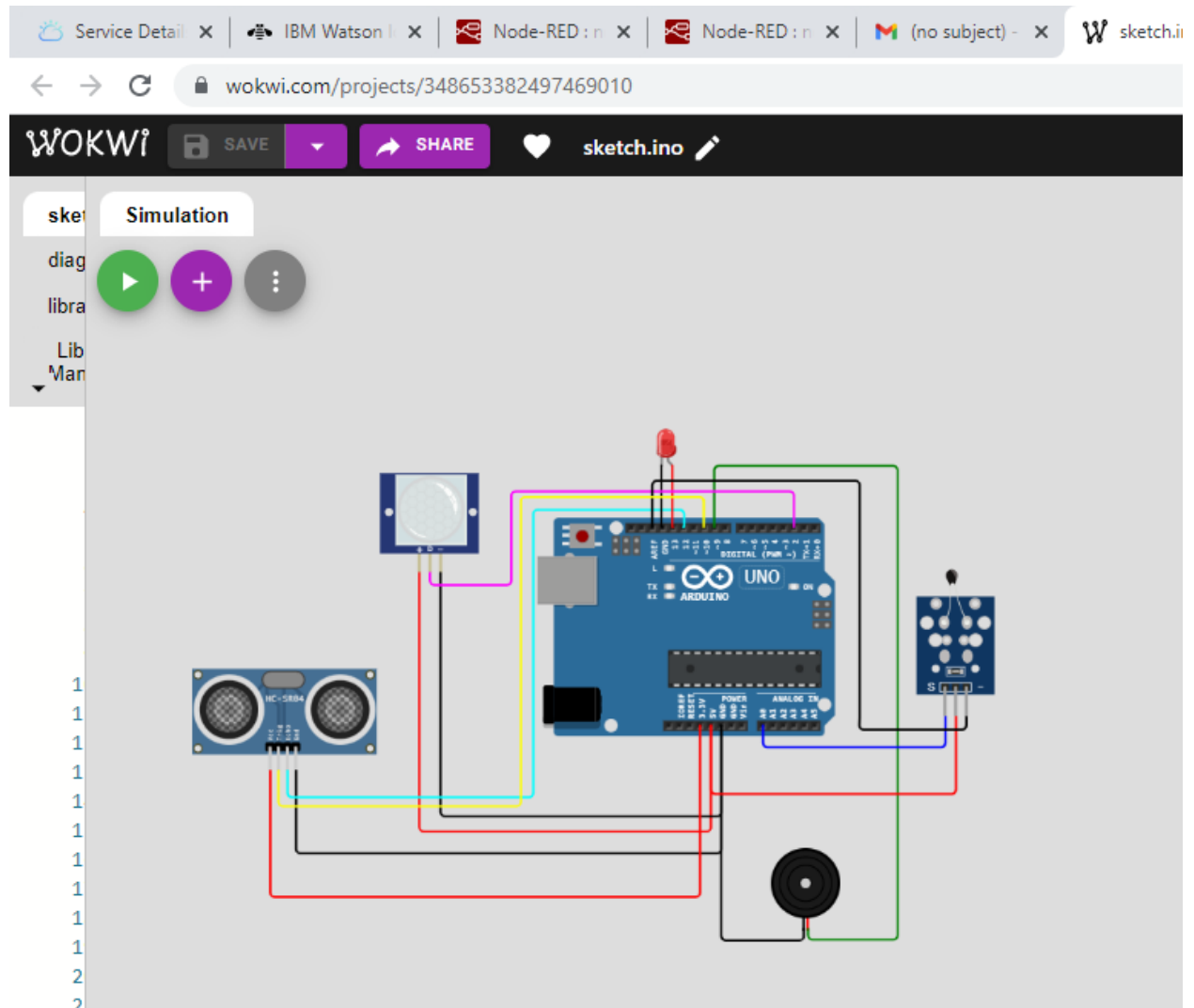


Sprint1

Team id-PNT2022TMID45631



Service Detail x IBM Watson x Node-RED x Node-RED x (no subject) x sketchino x IBM x IBM-Project x +

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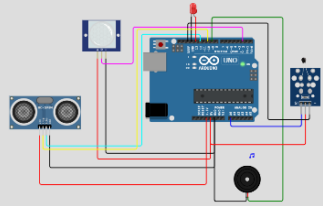
WOKWI SAVE SHARE sketchino Docs

sketch.ino diagram.json libraries.txt Library Manager

```
1 #include <WiFi.h>
2 #include <PubSubClient.h>
3 #include <ArduinoJson.h>
4
5 WiFiClient wificlient;
6
7 #define ORG "qwdoc"
8 #define DEVICE_TYPE "vij1123"
9 #define DEVICE_ID "Project"
10 #define TOKEN "S8HcG0IoKAvRfSI*X("
11 #define speed 0.034
12
13 char server[] = ORG".messaging.internetofthings.ibmcloud.com";
14 char publishTopic[] = "iot-2/evt/abcd_1/fmt/json";
15 char topic[] = "iot-2/cmd/home/fmt/String";
16 char authMethod[] = "use-token-auth";
17 char token[] = TOKEN;
18 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
19 PubSubClient client(server, 1883, wificlient);
20 void publishData();
21 const int buzzer=9;
22 int led = 13; // the pin that the LED is attached to
23 int sensor = 2; // the pin that the sensor is attached to
24 int state = LOW; // by default, no motion detected
25 int val = 0; // variable to store the sensor status (value)
26 // Interfacing Ultrasonic sensor with Arduino uno
27 #define echoPin 12 //connect echo pin of ultrasonic sensor to D12 of Arduino
28 #define trigPin 10 //connect trigger pin of ultrasonic sensor to D10 of Arduino
29 long duration; // declare variables to hold duration and distance
30 int distance;
```

Simulation

00:15:232 100%



Temperature : 25.98
Distance : 350 cm
Temperature : 25.98
Distance : 350 cm
Temperature : 25.98
Distance : 350 cm
Temperature : 25.98

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31°C Haze 16:46 18-11-2022

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