SPRINT 4

WOKWI SIMULATOR LINK: https://wokwi.com/projects/347212137885598290

NODE-RED DASHBOARD UI LINK: https://node-red-dashboard059.eu-gb.mybluemix.net/ui/#!/0?socketid=Dsj 6KQ1Dt6bk-4LAAAW

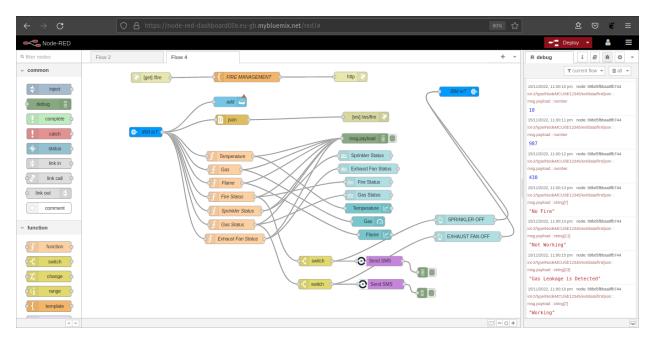
WEB PAGE LINK: https://node-red-dashboard059.eu-gb.mybluemix.net/fire

Preview

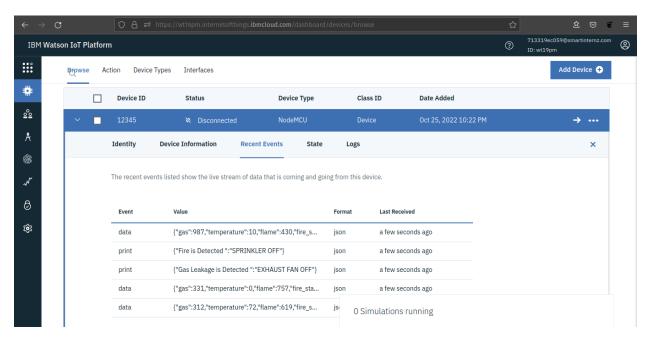
WOKWI SIMULATOR:

```
₩OKWî 🕞 SAVE 🔻 🥕 SHARE 💛 Sprint_4 🎤
                                                                                                                                                                                                                              Docs
  esp32-dht22.ino diagram.json libraries.txt Library Manager 🔻
            #include <time.h>
#include <WiFi.h>
#include <PubSubClient.h>
            #define DEVICE_TYPE "NodeMCU"
#define DEVICE_ID "12345"
                                                                                                                           Connecting to Wifi.WiFi connected, IP address: 10.10.0.2
                                                                                                                           Reconnecting MQTT client to
             #define TOKEN "12345678'
                                                                                                                            wt19pm.messaging.internetofthings.ibmcloud.com
            char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
char publishTopic[] = "iot-2/evt/data/fmt/json";
char authMethod[] = "use-token-auth";
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
                                                                                                                           Publish OK
                                                                                                                           Publish OK
            WiFiClient wifiClient;
PubSubClient client(server, 1883, wifiClient);
            int gas = 0;
int flame = 0;
            String flame_status = "";
String Gas_status = "";
String exhaust_fan_status = "";
String sprinkler_status = "";
```

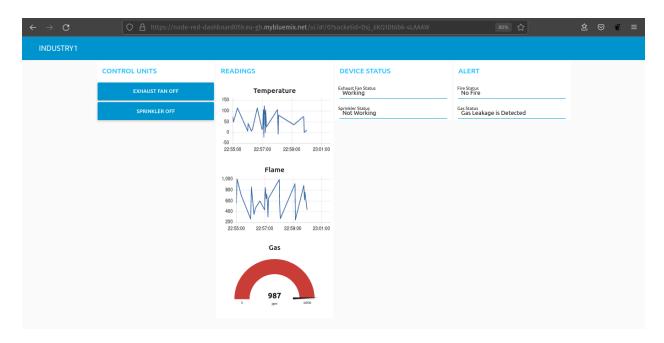
NODE RED:



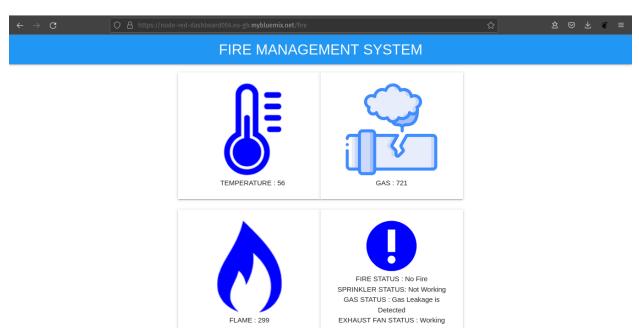
IBM WATSON IOT:



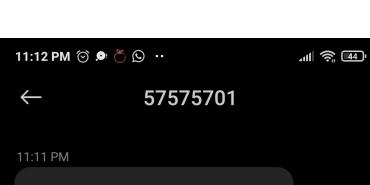
NODE RED(UI):



WEB PAGE USING WEB SOCKET:



SMS ALERT:



Hurry! Gas Leakage is Detected and Exhaust fan is turned on...[FREE SMS DEMO, TEST MESSAGE]

Hurry! Fire is Detected and Sprinkler is turned on...[FREE SMS DEMO, TEST MESSAGE]

Hurry! Gas Leakage is Detected and Exhaust fan is turned on...[FREE SMS DEMO, TEST MESSAGE]