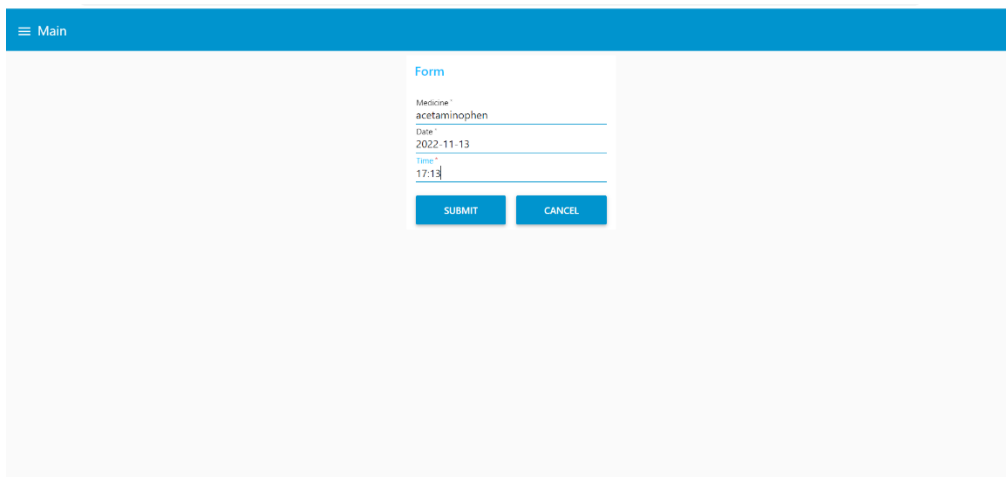


# Final Deliverables

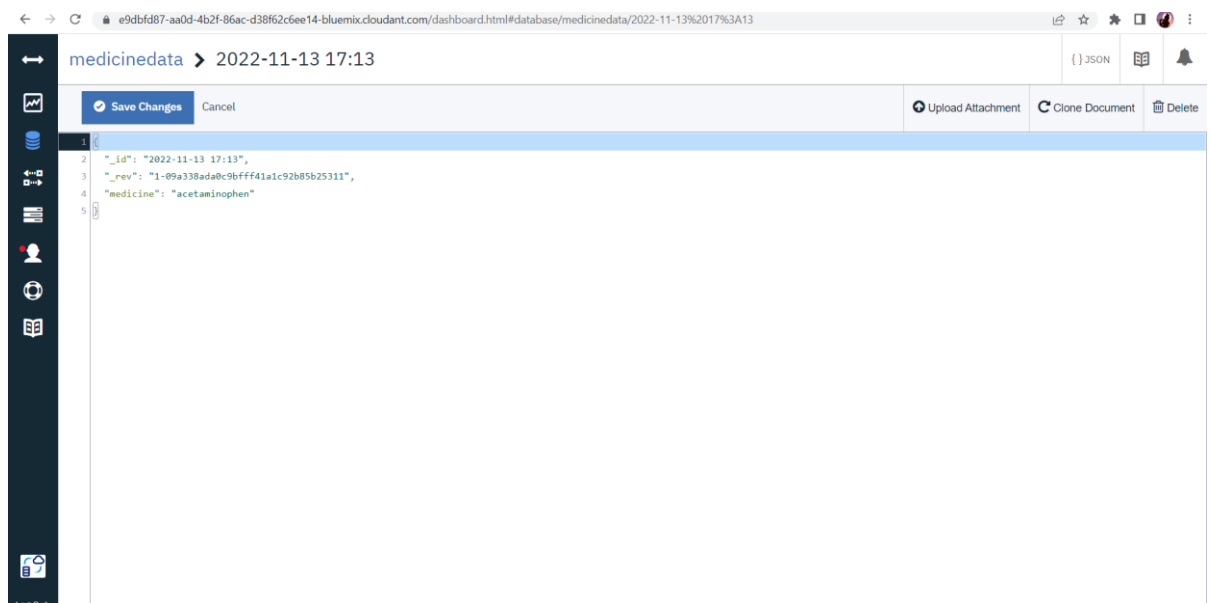
Team ID	PNT2022TMID48824
Project Name	Personal Assistance for Seniors Who Are SelfReliant

## 1. Get Data From User:

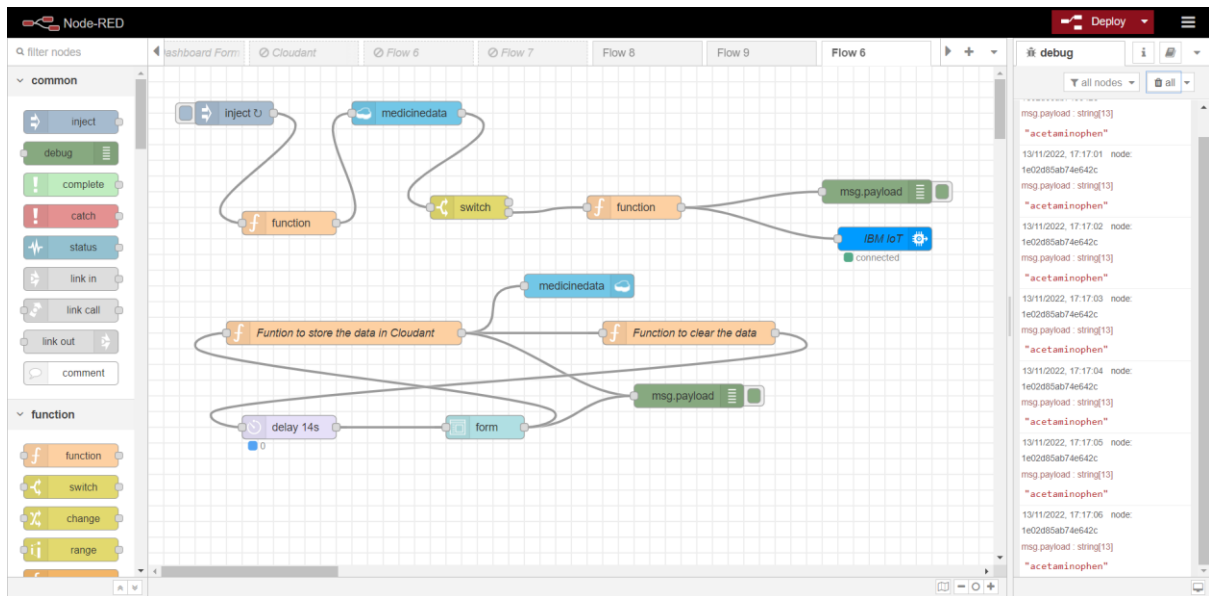


The screenshot shows a web application interface. At the top, there is a blue header bar with a hamburger menu icon and the text 'Main'. Below the header, there is a light gray sidebar on the left. The main content area is white and contains a form titled 'Form'. The form has three input fields: 'Medicine' with the value 'acetaminophen', 'Date' with the value '2022-11-13', and 'Time' with the value '17:13'. Below the input fields are two buttons: 'SUBMIT' and 'CANCEL'.

## 2. Stored in Cloudant



### 3. Display in Node-red



### 4. Streaming in Watson IoT Platform

The IBM Watson IoT Platform dashboard displays the details of a device named 'b11m3edeviceld'. The device is connected and its status is 'Connected'. The dashboard shows a table of recent events, which are live stream data coming and going from the device.

Event	Value	Format	Last Received
IoT Device	("medicine": "acetaminophen")	json	a few seconds ago
IoT Device	("medicine": "acetaminophen")	json	a few seconds ago
IoT Device	("medicine": "acetaminophen")	json	a few seconds ago
IoT Device	("medicine": "acetaminophen")	json	a few seconds ago
IoT Device	("medicine": "acetaminophen")	json	a few seconds ago

## 5. Simulation

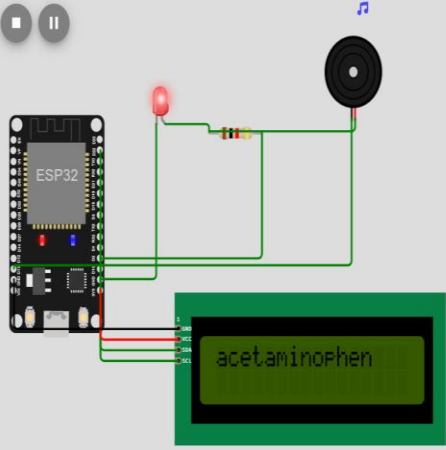
WOKWI SAVE SHARE Medicine Remainder Docs

PNT2022TMD50622.ino diagram.json libraries.txt Library Manager

```
1 #include <WiFi.h> //library for wifi
2 #include <PubSubClient.h> //library for MQTT
3 #include <LiquidCrystal_I2C.h>
4 #include "DHT.h" // Library for dht11
5 #define DHTPIN 15 // what pin we're connected to
6 #define DHTTYPE DHT11 // define type of sensor DHT 11
7 #define LED 2
8 DHT dht (DHTPIN, DHTTYPE); // creating the instance by passing pin and type of dht
9 void callback(char* subscribtopic, byte* payload, unsigned int payloadLength);
10
11
12 //-----credentials of IBM Accounts-----
13
14 #define ORG "64yf7x" //IBM ORGANIZATION ID
15 #define DEVICE_TYPE "b11m3edevicetype" //Device type mentioned in ibm watson IOT
16 #define DEVICE_ID "b11m3edeviceid" //Device ID mentioned in ibm watson IOT Platform
17 #define TOKEN "-&ENtr7l-v-Gz2G)e" //Token
18 String data3="";
19 int buzz= 13;
20
21 //----- Customise the above values -----
22 char server[] = ORG ".messaging.internetofthings.ibmcloud.com"; // Server Name
23 char publishTopic[] = "iot-2/evt/data/fmt/json"; // topic name and type of event
24 char subscribtopic[] = "iot-2/cmd/command/fmt/String"; // cmd REPRESENT command
25 char authMethod[] = "use-token-auth"; // authentication method
26 char token[] = TOKEN;
27 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID; //client id
28 LiquidCrystal_I2C lcd(0x27,16,2);
29
30 //-----
31 WiFiClient wifiClient; // creating the instance for wifiClient
32 PubSubClient client(server, 1883, callback, wifiClient); //calling the predefined
33
34 void setup() // configuring the ESP32
35 {
```

Simulation

00:21.421 89%



Medicine Name: acetaminophen  
callback invoked for topic: iot-2/cmd/command/fmt/String  
Medicine Name: acetaminophen  
callback invoked for topic: iot-2/cmd/command/fmt/String  
Medicine Name: acetaminophen  
callback invoked for topic: iot-2/cmd/command/fmt/String  
Medicine Name: acetaminophen

**Link:**

<https://wokwi.com/projects/348198638815543891>