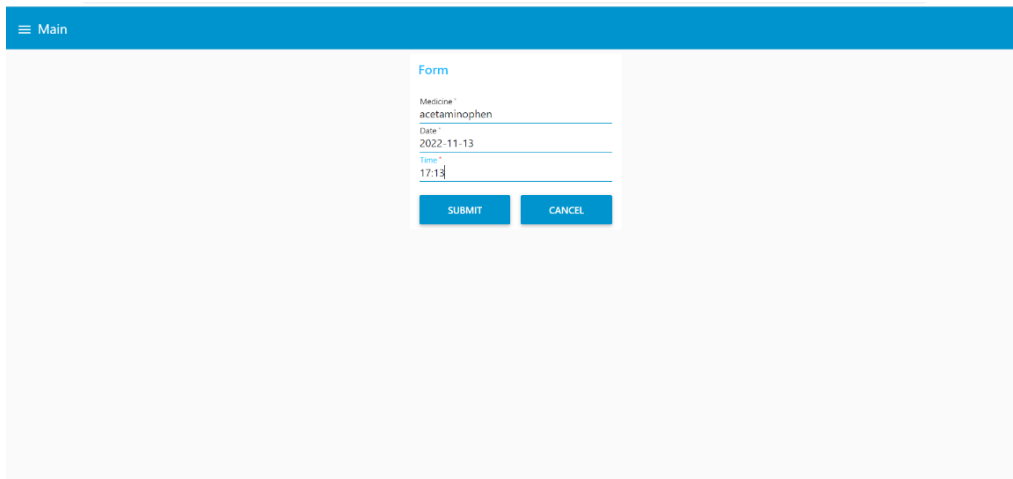


# Final Deliverables

Team ID:	PNT2022TMID45231
Project Name:	Personal Assistance for Seniors Who Are Self Reliant

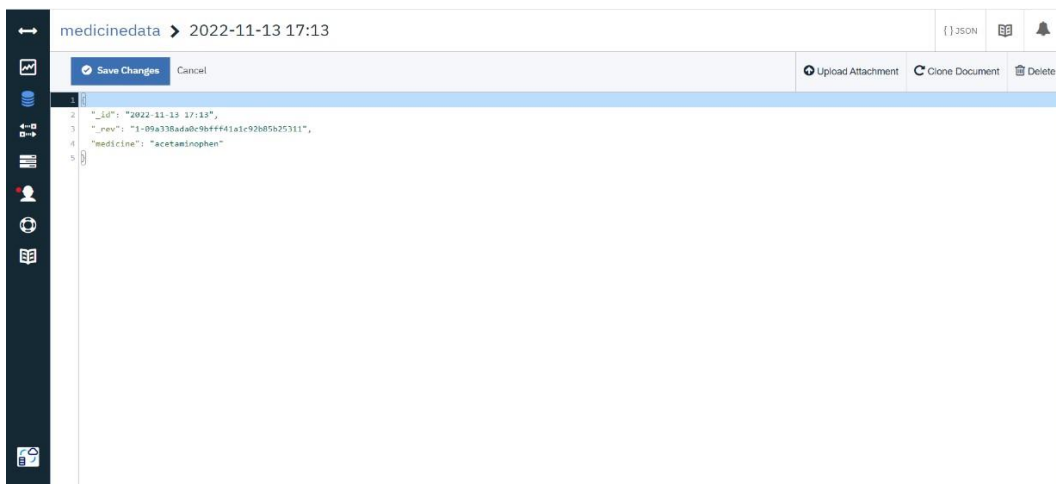
## Web Application

### 1. Getting 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 background. In the center, there is a white 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 blue buttons: 'SUBMIT' and 'CANCEL'.

### 2. Saved on cloudant:

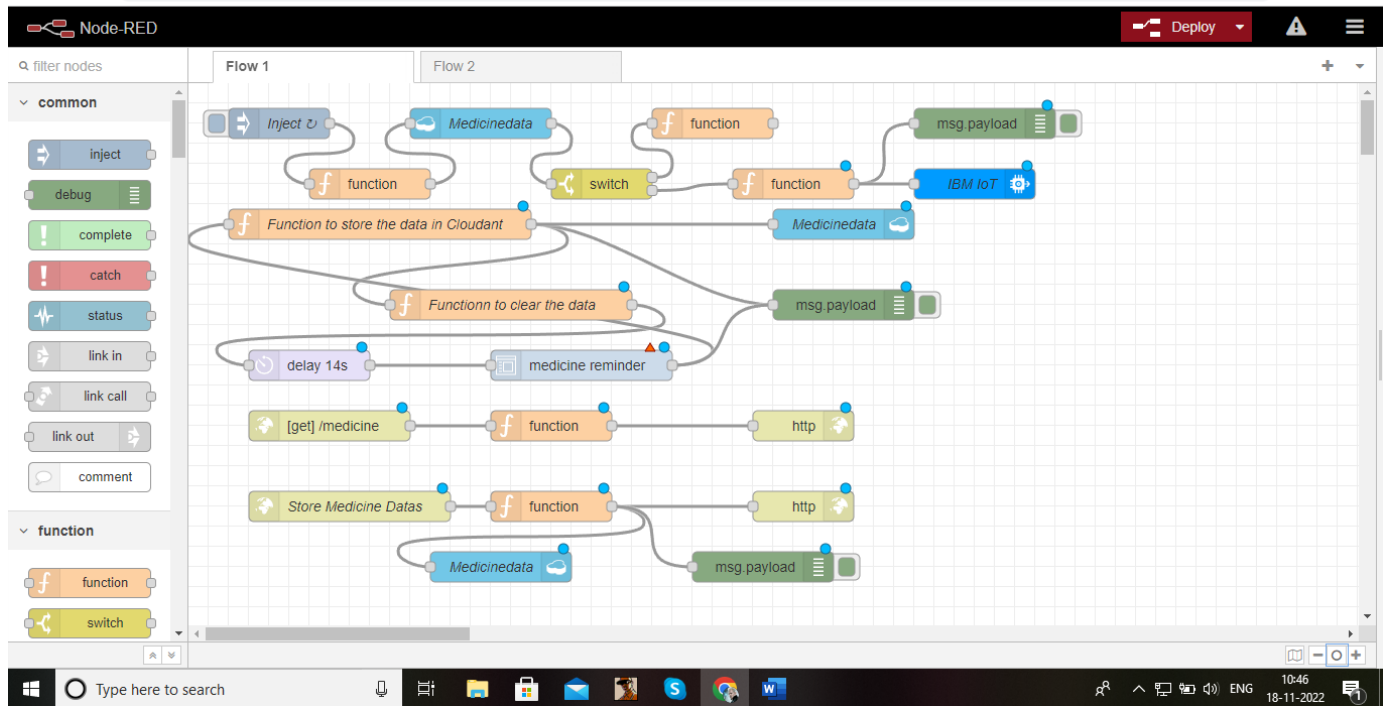


The screenshot shows a Cloudant database view. The breadcrumb navigation at the top reads 'medicinedata > 2022-11-13 17:13'. To the right of the breadcrumb are icons for JSON, a document, and a bell. Below the breadcrumb is a toolbar with buttons: 'Save Changes' (with a checkmark icon), 'Cancel', 'Upload Attachment' (with a plus icon), 'Clone Document' (with a copy icon), and 'Delete' (with a trash icon). The main area displays a JSON document with the following content:

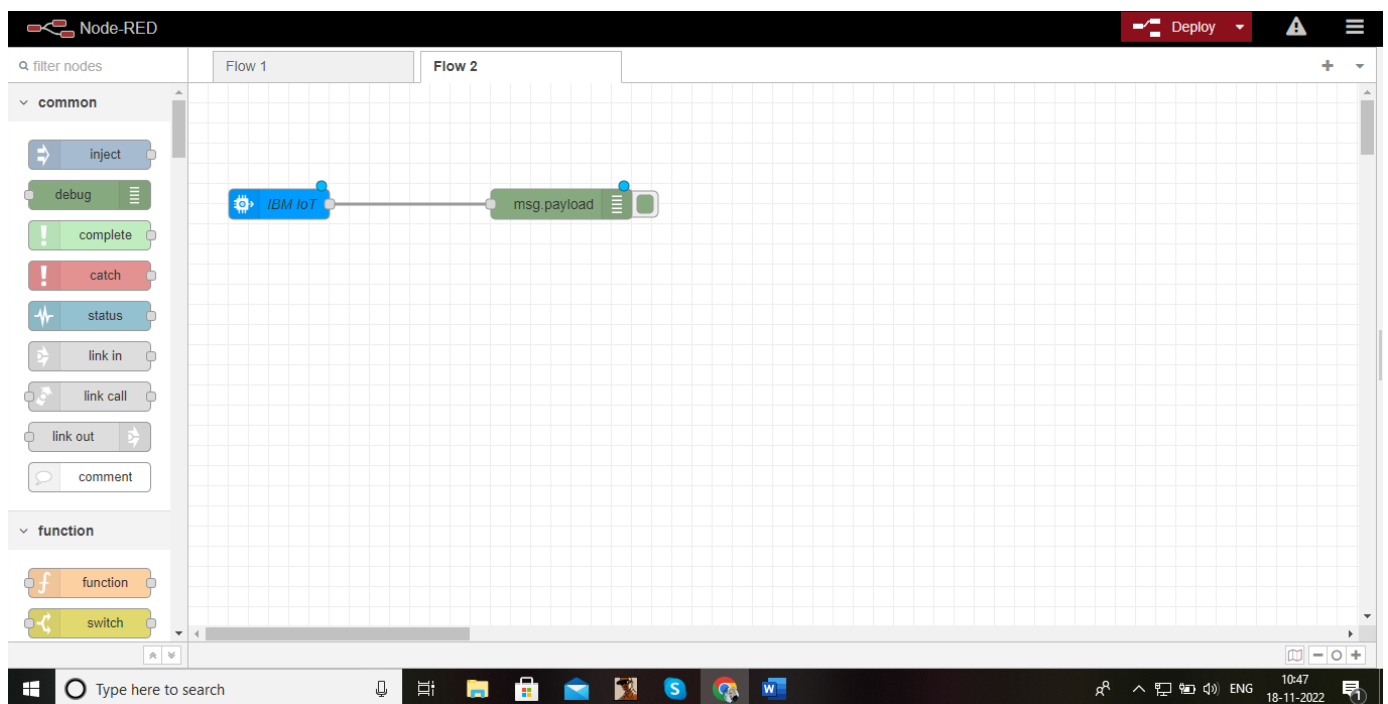
```
1 {
2   "_id": "2022-11-13 17:13",
3   "_rev": "1-09a338a6dc9bfff41a1c92b85a25311",
4   "medicine": "acetaminophen"
5 }
```

### 3. Executing in Node-red:

Form 1:



Form 2:



## 4. Executing in Watson IoT Platform:

The screenshot displays the Watson IoT Platform interface. On the left is a dark sidebar with various icons. The main content area has a top navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. A 'Device Simulator' toggle is set to 'Off'. Below this is a table listing devices. The selected device, 'b11m3edeviceld', is shown in a detailed view with tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is active, showing a list of events.

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

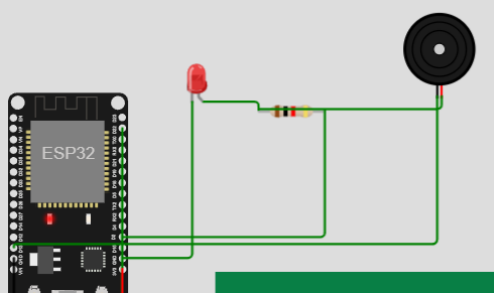
## 5. Simulation:

WOKWI SAVE SHARE 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
9 void callback(char* subscribetopic, byte* payload, unsigned int payloadLength)
10
11
12 //-----credentials of IBM Accounts-----
13
14 #define ORG "64yf7x" //IBM ORGANITION ID
15 #define DEVICE_TYPE "b11m3edevicetype" //Device type mentioned in ibm watson IoT
16 #define DEVICE_ID "b11m3edevicetid" //Device ID mentioned in ibm watson IoT Plat
17 #define TOKEN "-&EMtr7l-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 even
24 char subscribetopic[] = "iot-2/cmd/command/fmt/String"; // cmd REPRESENT comma
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(0x27,32,2);
29
30 //-----
```

Simulation 00:07.066 12%



iot-2/cmd/command/fmt/String  
subscribe to cmd OK

Reconnecting client to 64yf7x.messaging.internetofthings.ibmcloud.com  
iot-2/cmd/command/fmt/String  
subscribe to cmd OK

Type here to search 10:59 18-11-2022

