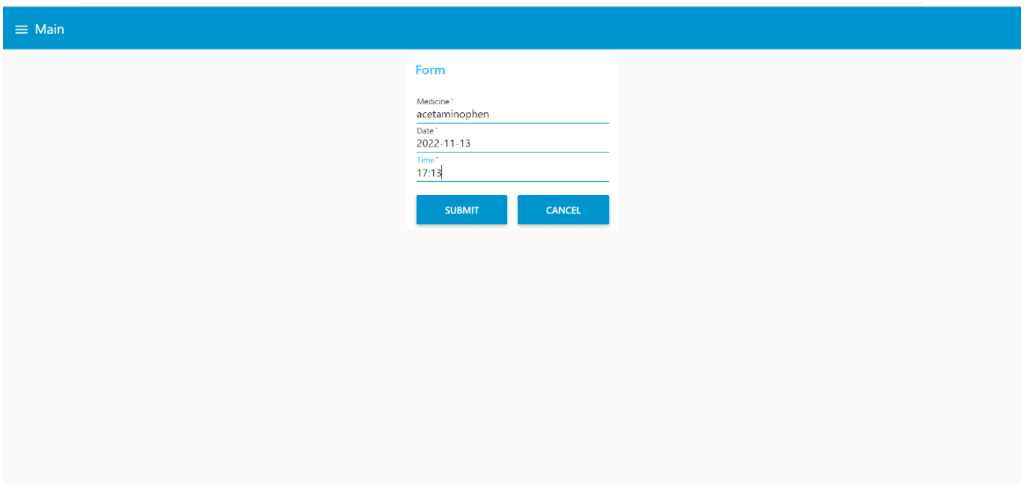
Final Deliverables

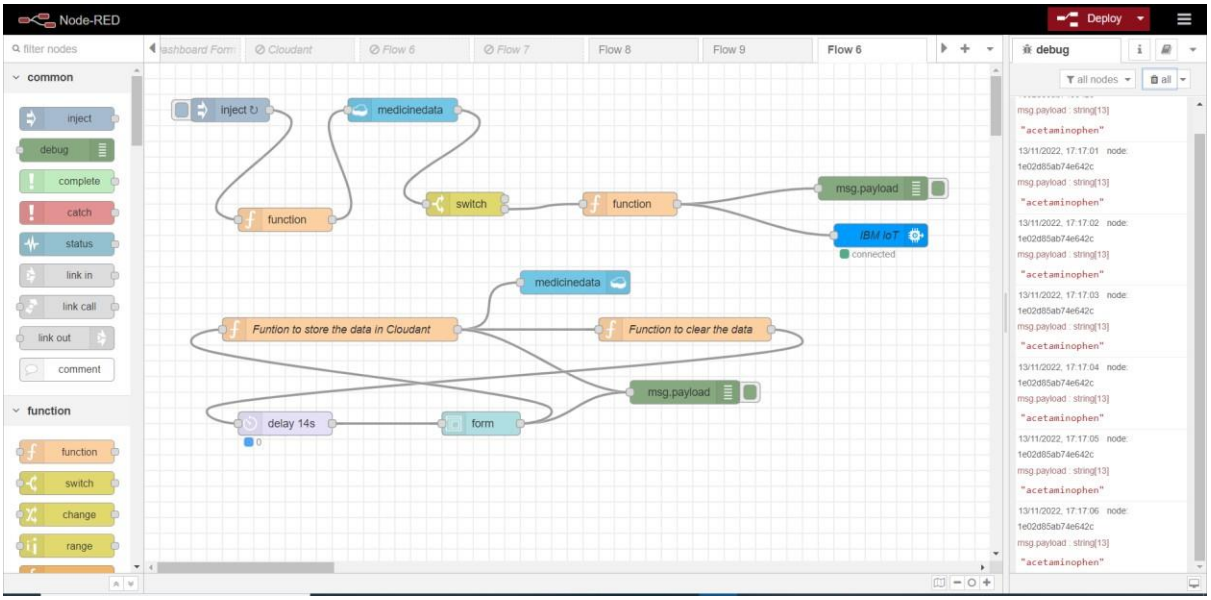
Team ID	PNT2022TMID27334
Project Name	Personal Assistance for Seniors Who Are Self Reliant

1. Get Data From User:

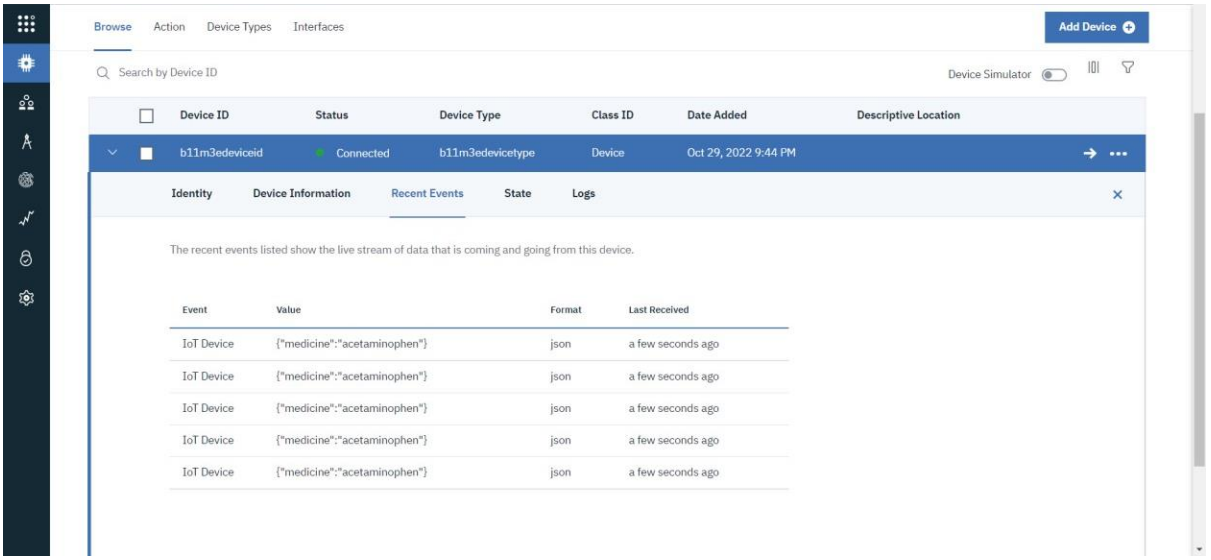


2. Stored in Cloudant

3. Display in Node-red



4. Streaming in Watson IoT Platform



5. Simulation

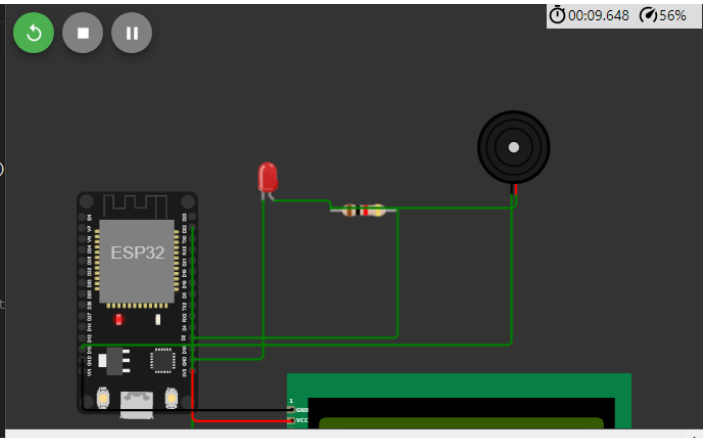
```
#include <WiFi.h>//library for wifi
#include <PubSubClient.h>//library for MQtt
#include <LiquidCrystal_I2C.h>
#include "DHT.h"// Library for dht11
#define DHTPIN 15     // what pin we're connected to
#define DHTTYPE DHT11   // define type of sensor DHT 11
#define LED 2
DHT dht (DHTPIN, DHTTYPE);// creating the instance by passing pin and typr of
void callback(char* subscribetopic, byte* payload, unsigned int payloadLength)


//-------credentials of IBM Accounts------

#define ORG "mjse7u"//IBM ORGANITION ID
#define DEVICE_TYPE "abcddevicetype"//Device type mentioned in ibm watson IOT
#define DEVICE_ID "12345edeviceid"//Device ID mentioned in ibm watson IOT Plat
#define TOKEN "1234567890"      //Token
String data3="";
int buzz= 13;

//-------- Customise the above values --------
char server[] = ORG ".messaging.internetofthings.ibmcloud.com";// Server Name
char publishTopic[] = "iot-2/evt/Data/fmt/json";// topic name and type of even
char subscribetopic[] = "iot-2/cmd/command/fmt/String";// cmd  REPRESENT comma
char authMethod[] = "use-token-auth";// authentication method
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;//client id
LiquidCrystal_I2C lcd(0x27,32,2);

//-------------------------------------
WiFiClient wifiClient; // creating the instance for wificlient
PubSubClient client(server, 1883, callback ,wifiClient); //calling the predefi
```




```
Connecting to ...
WiFi connected
IP address:
10.10.0.2
Reconnecting client to mjse7u.messaging.internetofthings.ibmcloud.com
......
```