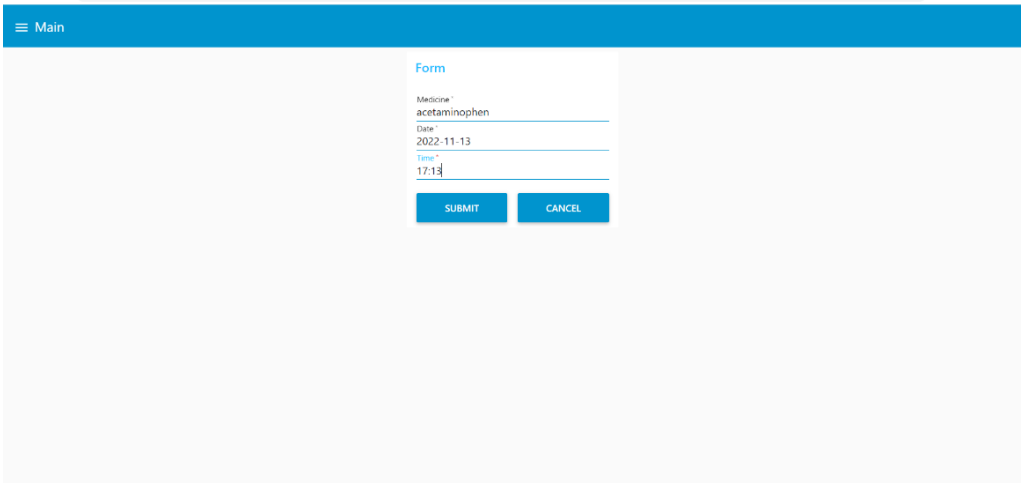
Final Deliverables

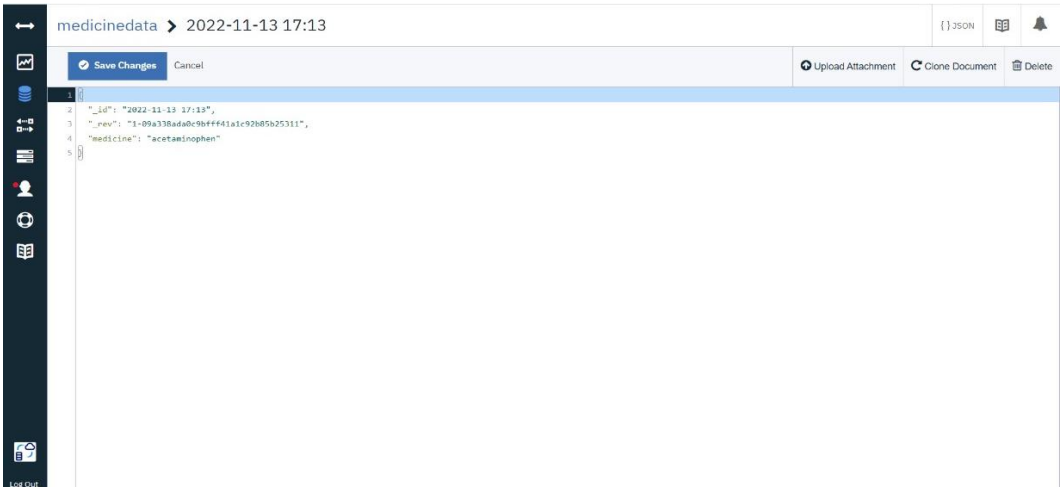
Team ID	PNT2022TMID27334
Project Name	Personal Assistance for Seniors Who Are SelfReliant

Web Application

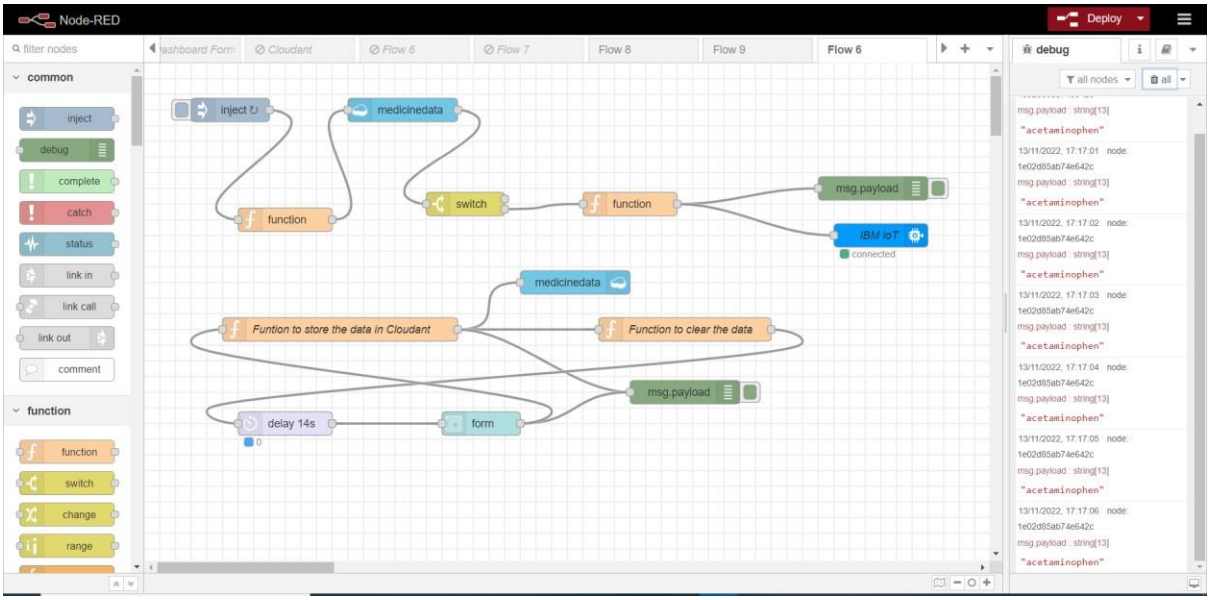
1. Get Data From User:



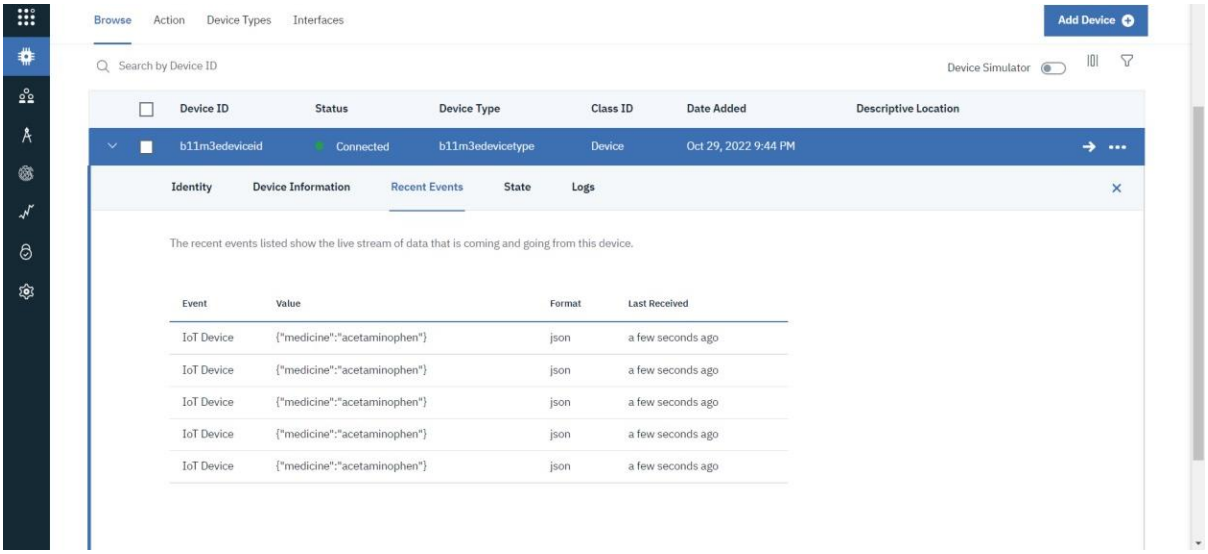
2. Stored in Cloudant



3. Display in Node-red

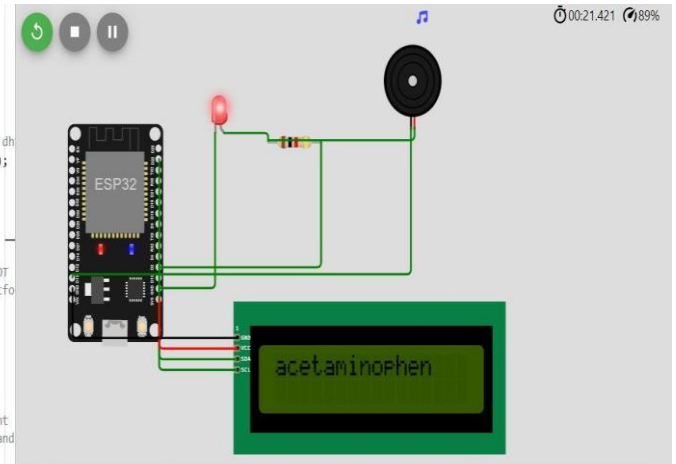


4. Streaming in Watson IoT Platform



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 dh
void callback(char* subscribetopic, byte* payload, unsigned int payloadLength);


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

#define ORG "64yf7x"//IBM ORGANITION ID
#define DEVICE_TYPE "b11m3edevicetype"//Device type mentioned in ibm watson IOT
#define DEVICE_ID "b11m3edeviceid"//Device ID mentioned in ibm watson IOT Platfo
#define TOKEN "-&EMtr7l-v-Gz2G))e"      //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 event
char subscribetopic[] = "iot-2/cmd/command/fmt/String";// cmd  REPRESENT command
char authMethod[] = "use-token-auth";// authentication method
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;//client id
LiquidCrystal_I2C lcd(0x27,16,2);

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

void setup()// configureing the ESP32
{
```




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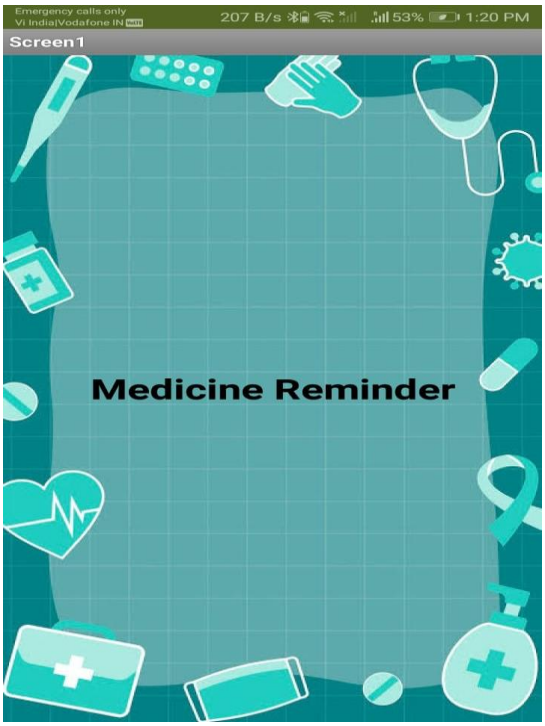
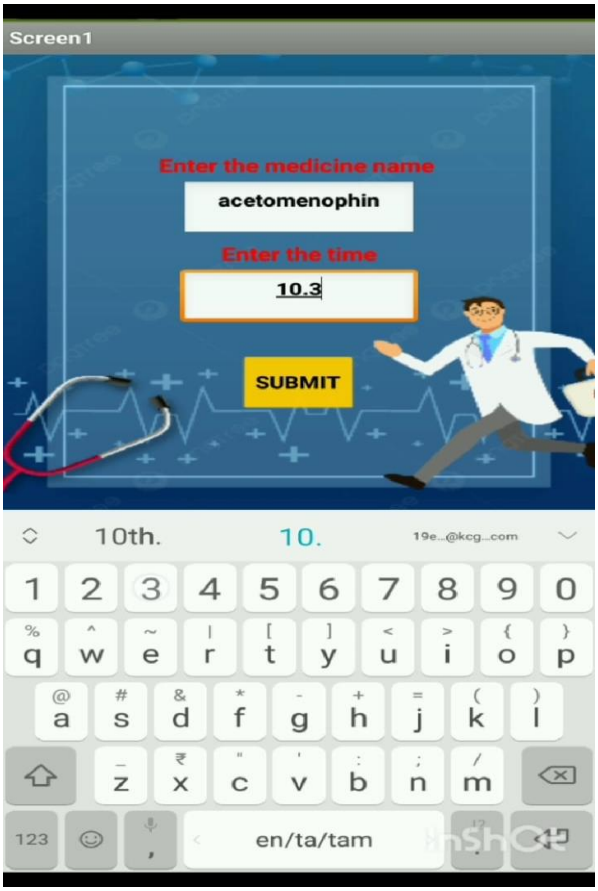
Mobile Application

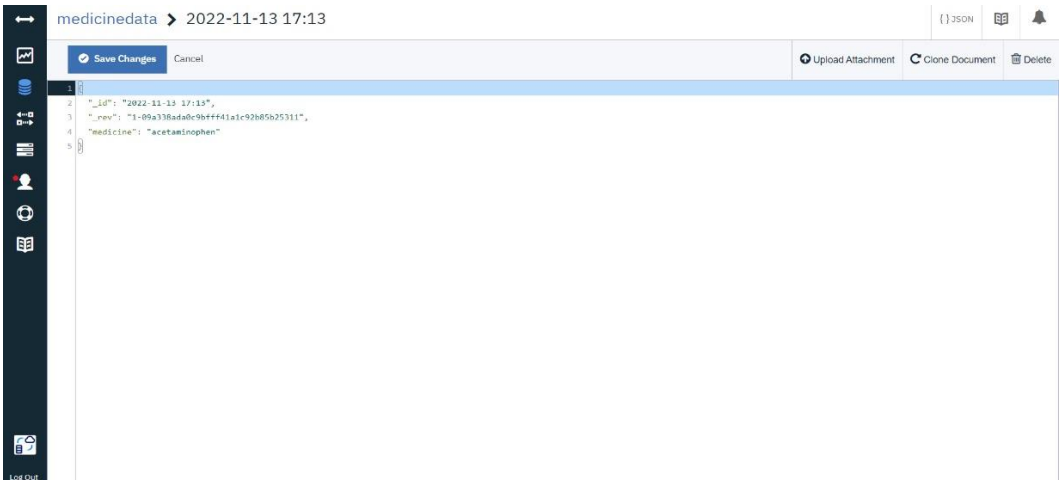
1. Splash Screen



2. Get Data From User

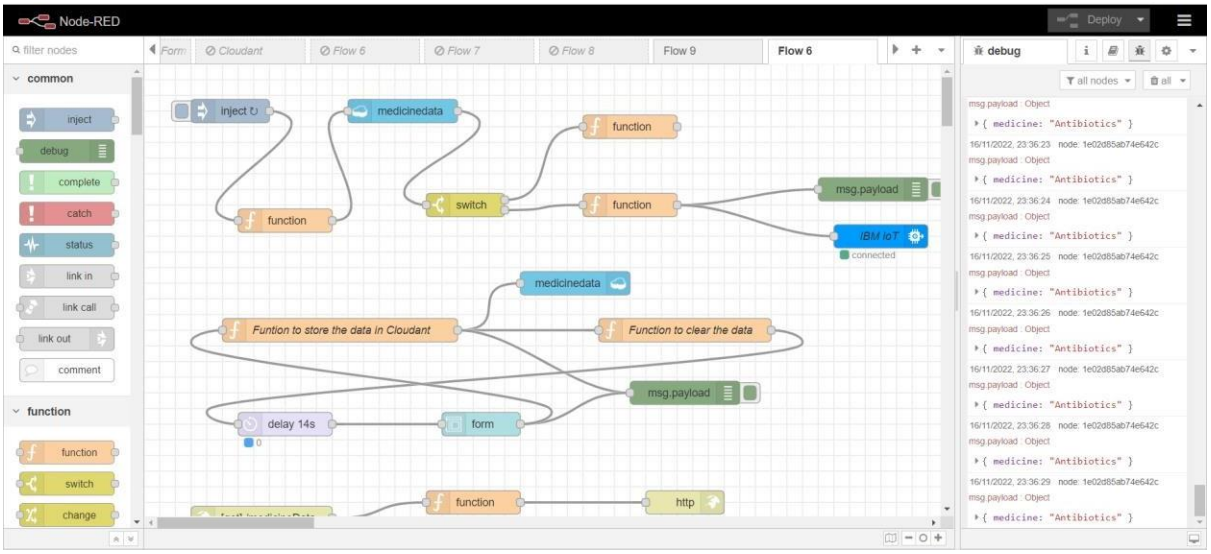


3. Store in Cloudant DB



4. Display Reminder with audio

5. Display in node-red



6. Remainder in Simulation

```
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#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
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#define TOKEN "-&EMtr7l-v-Gz2G))e"      //Token
String data3="";
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char subscribetopic[] = "iot-2/cmd/command/fmt/String";// cmd  REPRESENT command
char authMethod[] = "use-token-auth";// authentication method
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;//client id
LiquidCrystal_I2C lcd(0x27,16,2);

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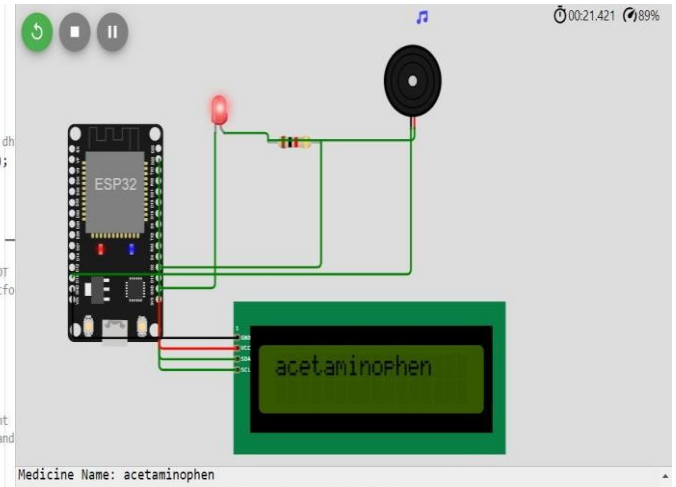


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