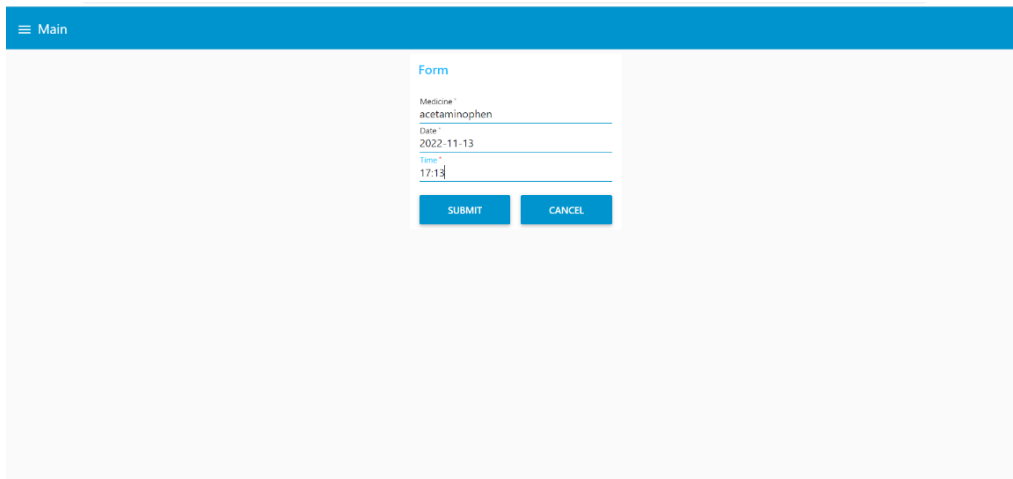# Final Deliverables

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

Web Application
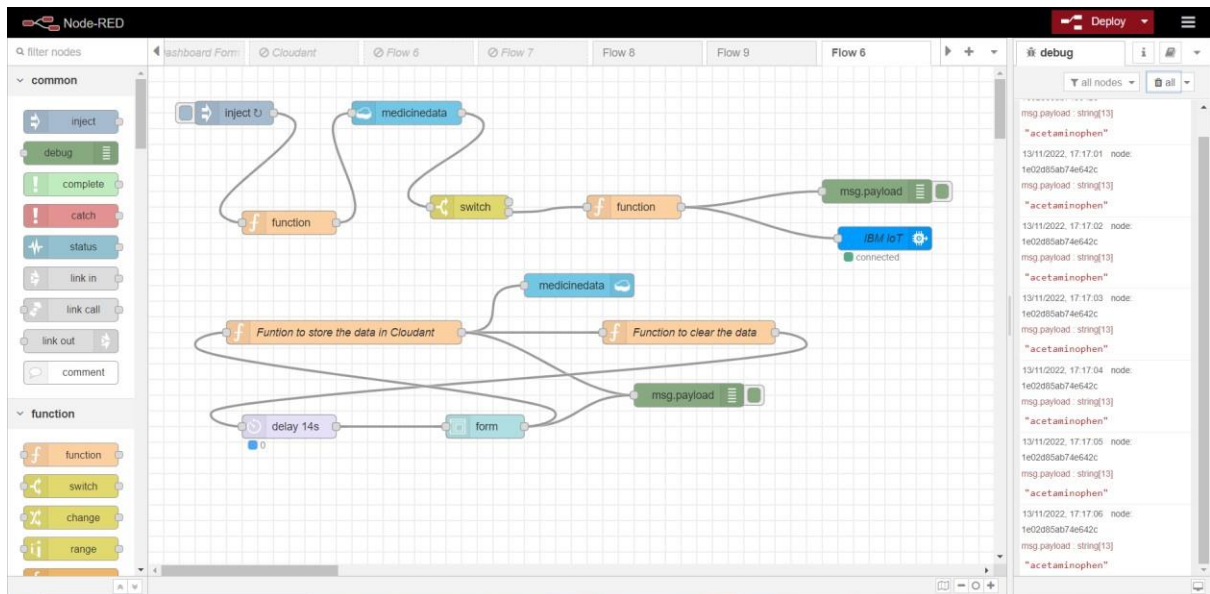
1. Get Data From User:

2. Stored in Cloudant

3. Display in Node-red

4. Streaming in Watson IoT Platform

5. Simulation

```
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 typr of dh
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 "b11m3edeviceid"//Device ID mentioned in ibm watson IOT Platfo
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 event
24  char subscribetopic[] = "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 predefine
33
34  void setup()// configureing the ESP32
35  {
```
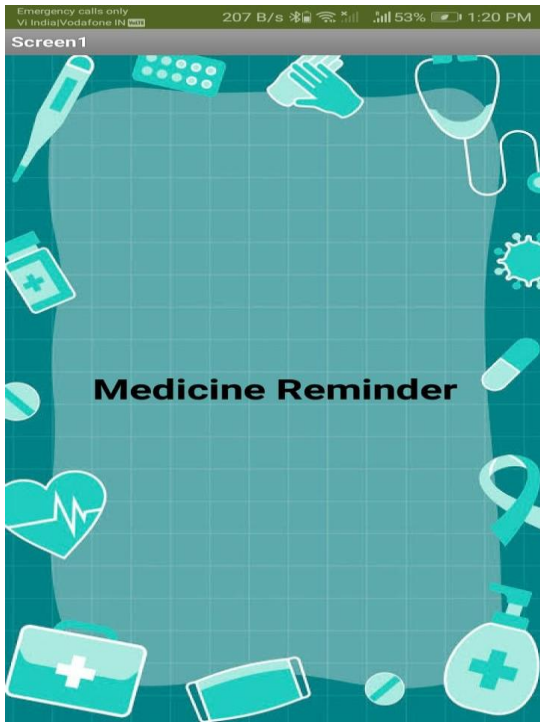


```
Medicine Name: acetaminophen
callback invoked for topic: iot-2/cmd/command/fmt/String
Medicine Name: acetaminophen
callback invoked for topic: iot-2/cmd/command/fmt/String
Medicine Name: acetaminophen
callback invoked for topic: iot-2/cmd/command/fmt/String
Medicine Name: acetaminophen
```

Mobile Application

1. Splash Screen
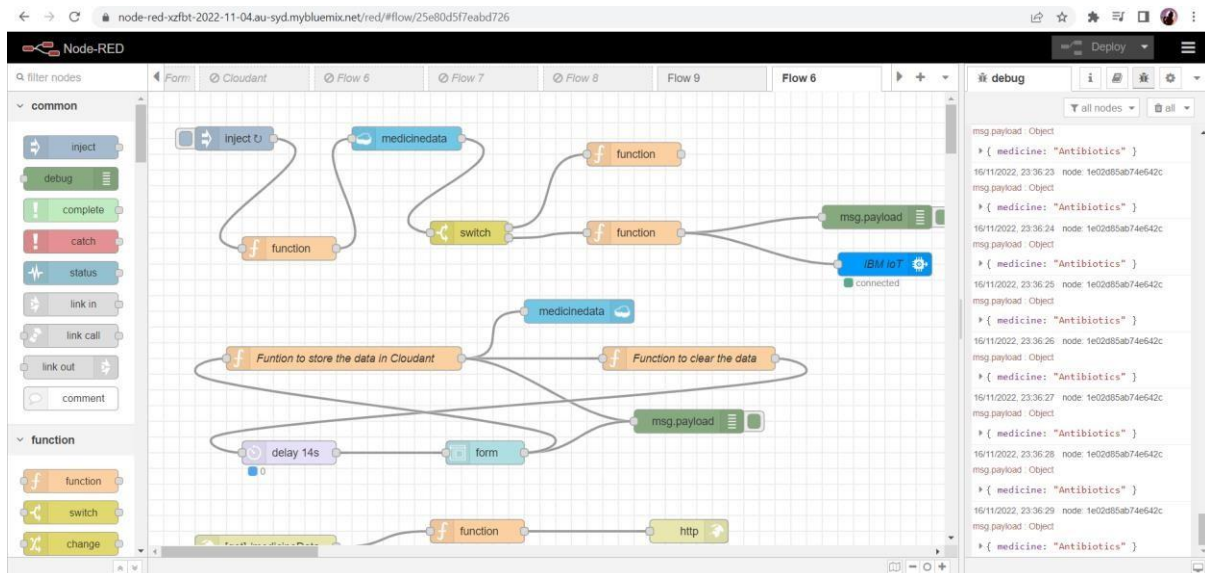
2. Get Data From User

3. Store in Cloudant DB

4.   Display Reminder with audio

TIME TO TAKE ACETOMENOPHIN

5.   Display in node-red

6.   Remainder in Simulation