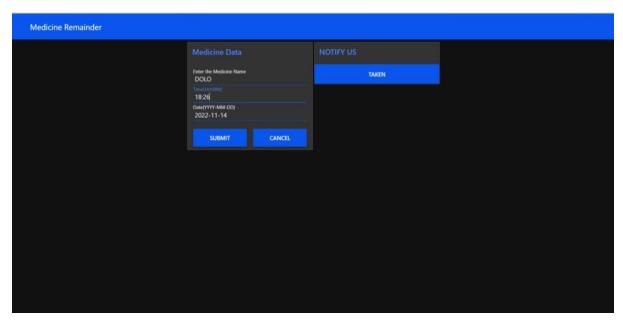
SPRINT-4

Date	19 November 2022
Team ID	PNT2022TMID42240
Project Name	Project – Personal Assistance for Seniors who are Self-Reliant
Maximum Marks	4 Marks

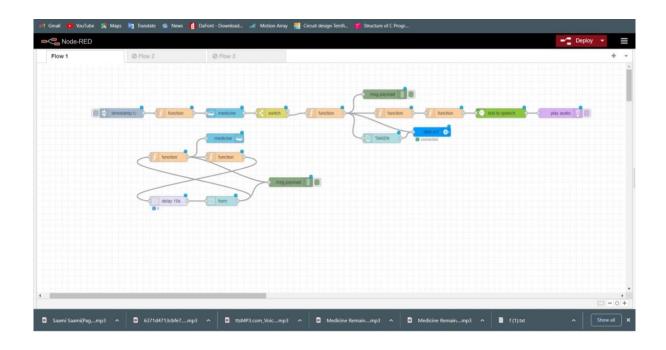
CASE:

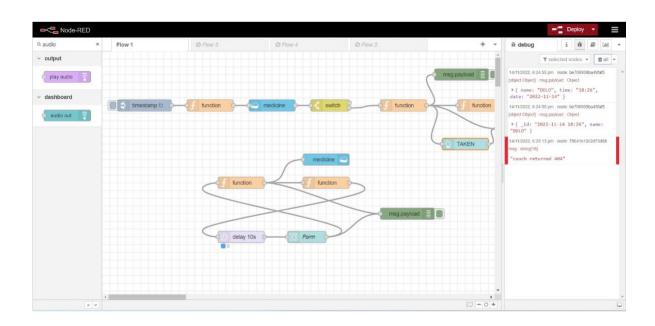
To develop a python script to receive data from node-red by using IBM Watson IoT platform

INPUT:

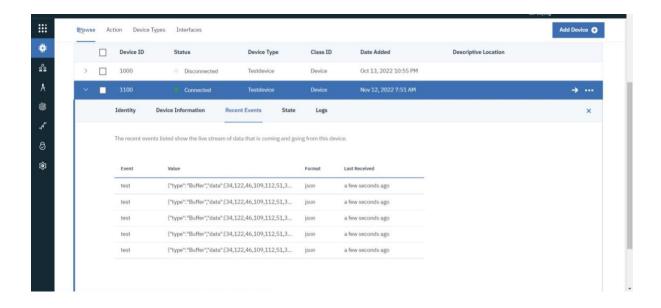


NODE RED FLOW AND OUTPUT:





IOT OUTPUT:



PYTHON SCRIPT:

```
import wiotp.sdk.device
import time
import random
import playsound
from datetime import datetime
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
myConfig = {
  "identity": {
    "orgId": "jwl2wf",
    "typeId": "SalmanDevice",
    "deviceId": "SalmanDevice_1"
  },
  "auth": {
    "token": "e3DwTZGGA1Y?0BD*s9"
}
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
  m=cmd.data['command']
  if(m=="Medicine Taken"):
   print("Medicine Intaken\nThank You!!")
  else:
    print("****")
    print("Take Your Medicine")
    print("*****")
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
authenticator = IAMAuthenticator('mc6GkVtcmmR8o5UlAk5-jhyvsmieCN8nhJ-Xc7awmRly')
text_to_speech = TextToSpeechV1(
  authenticator=authenticator
)
text_to_speech.set_service_url('https://api.eu-gb.text-to-
speech.watson.cloud.ibm.com/instances/2ff7f2d9-da46-4f46-bbda-fad6e9f83882')
now = datetime.now()
current_time = now.strftime("%H:%M")
print("Current Time =", current_time)
while True:
 with open('z.mp3','wb') as audio_file:
  audio_file.write(
    text_to_speech.synthesize(
      'take your respected medicine',
      voice='en-US AllisonV3Voice',
      accept='audio/wav'
    ).get_result().content)
 client.publishEvent(eventId="test", msgFormat="json", data="z.mp3", qos=0, onPublish=None)
 client.commandCallback = myCommandCallback
client.disconnect()
```

OUTPUTS:

```
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```

