MEDICINE REMINDER

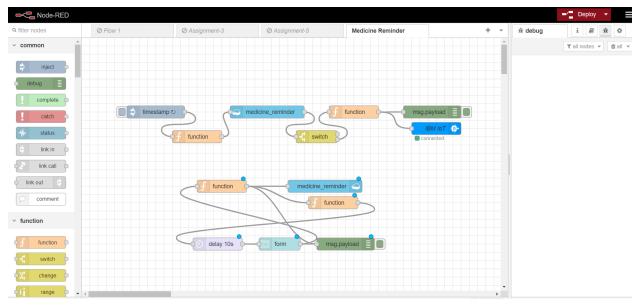
Problem: Medicine Reminder For Elderly People Using IBM Cloud

Python Code:

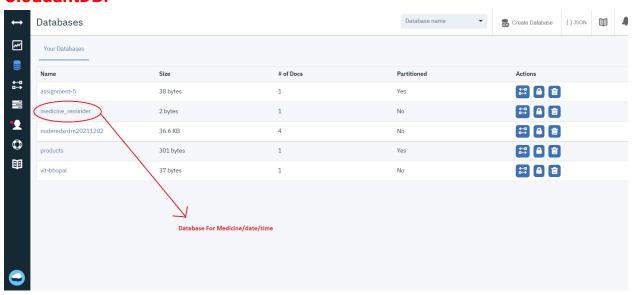
```
import wiotp.sdk.device
import time
import os
import datetime
from ibm_watson import TextToSpeechV1
from ibmcloudant.cloudant_v1 import CloudantV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator , BasicAuthenticator
import playsound
"authenticator = BasicAuthenticator('apikey-v2-
34uhhlix6hcy13v2qisbh6vsiegrpl5wkwasygmqnfl6',
'7f517d7221399711c579625ed6d3e874')
service = CloudantV1(authenticator=authenticator)
service.set_service_url('https://apikey-v2-
34uhhlix6hcy13v2gisbh6vsiegrpl5wkwasyqmqnfl6:7f517d7221399711c579625ed6d3e
874@ff20a5d8-f28e-4fa4-b046-473245d0e43f-
bluemix.cloudantnosqldb.appdomain.cloud')"
authenticator = IAMAuthenticator('kZsyz69sNctJRNFm7QxalUZ-setaah0drfP3s2tcXTr_')
text_to_speech = TextToSpeechV1(
  authenticator=authenticator
)
text_to_speech.set_service_url('https://api.us-south.text-to-
speech.watson.cloud.ibm.com/instances/a445e70c-f7f6-4625-8ced-2434293c320c')
myConfig = {
  "identity": {
```

```
"orgId": "y9045l",
    "typeId": "mobile",
    "deviceId":"09876"
  },
  "auth": {
    "token": "12345678"
 }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
def myCommandCallback(cmd):
  print("Message received fromIBM IoT Platform %s" % cmd.data['command'])
  m=cmd.data['command']
  with open('medicine.mp3', 'wb') as audio_file:
    audio_file.write(
      text_to_speech.synthesize(
        'You have to take'+m+'medicine now',
        voice='en-US_AllisonV3Voice',
        accept='audio/mp3'
        ).get_result().content)
    os.remove('medicine.mp3')
    while True:
        client.commandCallback = myCommandCallback
        client.disconnect()
```

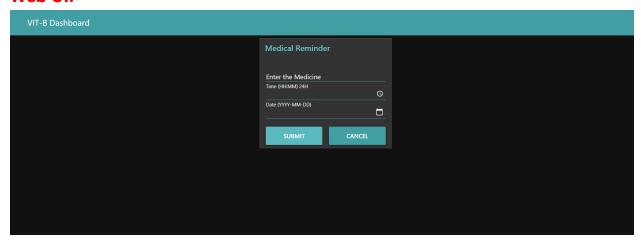
Node-Red Nodes:



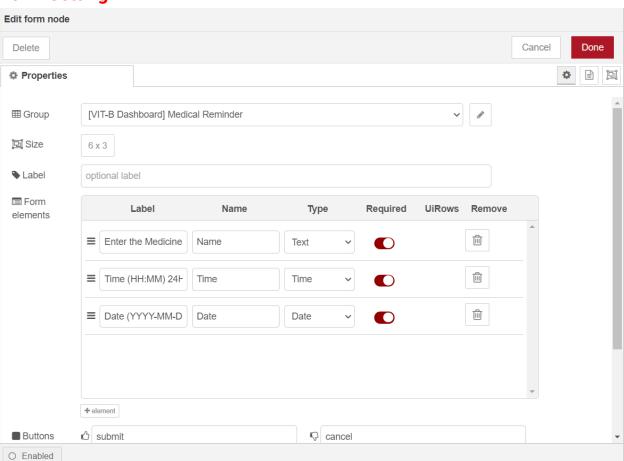
CloudantDB:



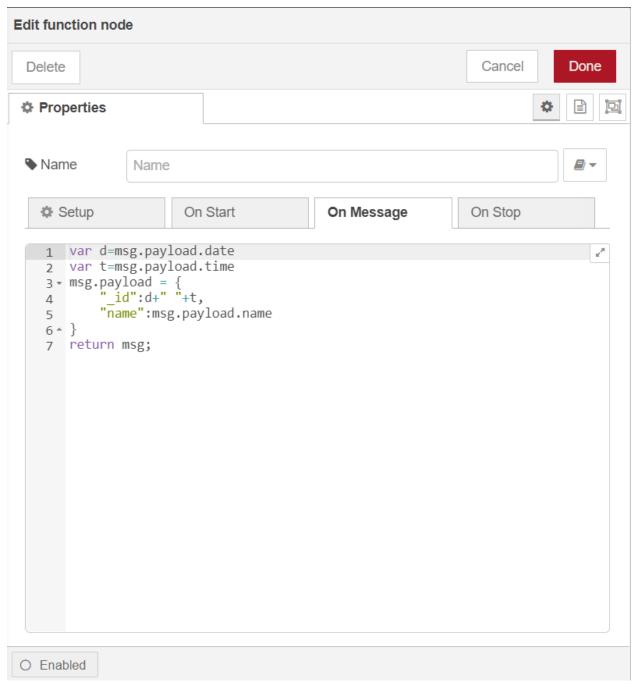
Web UI:



Form Setting:



Function used to create id for DB:



Function used:

