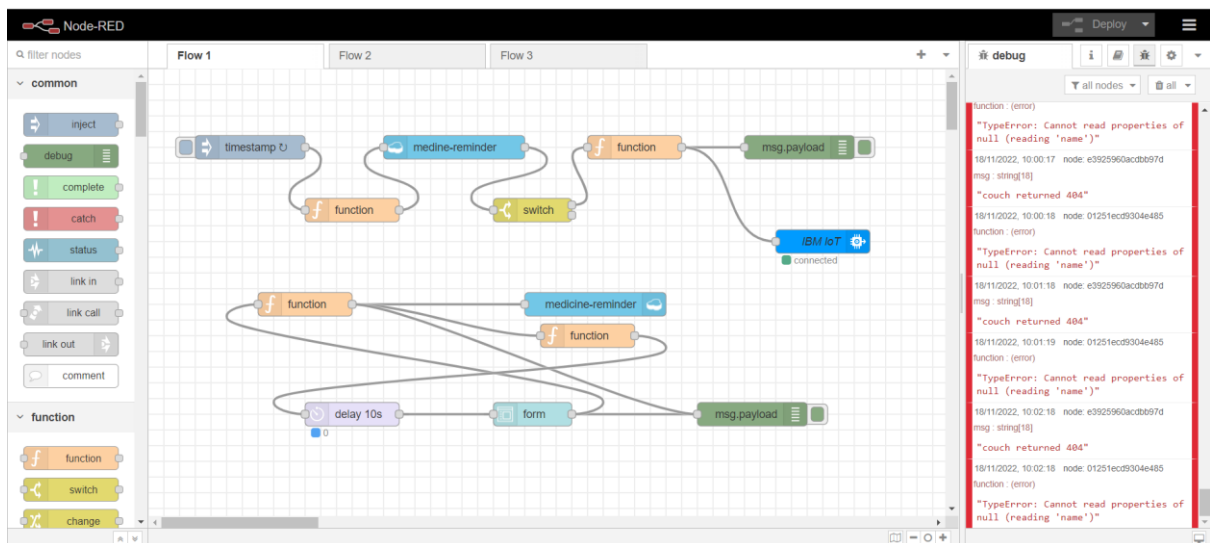


## SPRINT-4

DATE	18 NOVEMBER 2022
TEAM ID	PNT2022TMID47501
PROJECT NAME	PROJECT-PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT
MAXIMUM MARKS	20 MARKS

### NODE RED:



Medicine

Medicine Reminder

Enter the Medicine \*

parectamol

Time(HH-MM)24Hrs \*

12:30

Date(DO-MM-YYYY) \*

19- 11 -2022

SUBMIT

CANCEL

medicine-reminder

Document ID

Options

{ } JSON

Document ID

Options

{ } JSON

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

Create Document

id	key	value
<input type="checkbox"/> 134199d53807a877f40ae2025f553c02	134199d53807a877f40ae2025f553c02	{ "rev": "1-fe4514d671158a4670ef7be4a3d85...
<input type="checkbox"/> 3b9bb0b473299448bef272a40319f79f	3b9bb0b473299448bef272a40319f79f	{ "rev": "1-568d5b26235f716300b3896bdf16...
<input type="checkbox"/> 3b9bb0b473299448bef272a403200b66	3b9bb0b473299448bef272a403200b66	{ "rev": "1-4315b07a833cdcf5a7a3a00ceecf0...
<input type="checkbox"/> 3b9bb0b473299448bef272a40322a35b	3b9bb0b473299448bef272a40322a35b	{ "rev": "1-81ac8fb46cf5bd00a9d3b7f281a5c...
<input type="checkbox"/> 4248a3a9ea02a27a141ec470276c0864	4248a3a9ea02a27a141ec470276c0864	{ "rev": "1-ce1fe9eb3fb0f42da7c0cc5bec58a9...
<input type="checkbox"/> 51d308c32088ed524c603e8b8bd392ac	51d308c32088ed524c603e8b8bd392ac	{ "rev": "1-6904fe503841304723e2d0f01ca111...
<input type="checkbox"/> db38a14d1390daca8bcf286a6459c469	db38a14d1390daca8bcf286a6459c469	{ "rev": "1-0b5a2c73c6d9f7d545ec32e708b12...
<input type="checkbox"/> db38a14d1390daca8bcf286a64631ea1	db38a14d1390daca8bcf286a64631ea1	{ "rev": "1-0cee14f975616a2859f56d9a7e04b...

Showing document 1 - 8. Documents per page: 20

## 1.PYTHON CODE FOR RANDOM MEDICINE AND TIME GENERATING:

```
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "qq2hy2",
        "typeId": "VSVS_DEVICETYPE",
        "deviceId": "vsvs7501"
    },
    "auth": {
        "token": "UHBu-JRqfLL_pqOb4r"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Dolo 650","Insulin","Vicks"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "Madhu"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("MEDICINE REMINDER", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
client.disconnect()
```

## PYTHON CODE IN PYTHON 3.7:

```
File Edit Format Run Options Window Help
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "dgg2hy2",
        "typeId": "VSVS_DEVICE",
        "deviceId": "vs7501"
    },
    "auth": {
        "token": "URBu-JRqfLL_pQ0b4z"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Dolo 650","Insulin","Vicks"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "Madhu"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("MEDICINE REMINDER", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
client.disconnect()
```

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## OUTPUT:

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Latha/Desktop/name.py =====
2022-11-17 19:55:27.840 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: dgg2hy2:VSVS_DEVICE:vs7501
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Vicks', 'Time': 2.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Aspirine', 'Time': 18.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Paracetamol', 'Time': 20.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Dolo 650', 'Time': 7.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Insulin', 'Time': 2.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Dolo 650', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Paracetamol', 'Time': 18.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Paracetamol', 'Time': 20.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Aspirine', 'Time': 18.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Vicks', 'Time': 2.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Insulin', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Aspirine', 'Time': 7.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Paracetamol', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Vicks', 'Time': 3.0}
Data published to IBM IOT platform : {'Patient Name': 'Madhu', 'Medicine Name': 'Paracetamol', 'Time': 12.0}
```

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## OUTPUT IN IBM WATSON IoT PLATFORM:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main content area shows the 'Recent Events' tab for a device named 'vsvs7501'. The device is connected, and the timestamp is 'Nov 1, 2022 1:58 PM'. The 'Recent Events' tab displays a table of events.

Event	Value	Format	Last Received
MEDICINE R...	{"Patient Name":"Madhu","Medicine Name":"Par...	json	a few seconds ago
MEDICINE R...	{"Patient Name":"Madhu","Medicine Name":"Dol...	json	a few seconds ago
MEDICINE R...	{"Patient Name":"Madhu","Medicine Name":"Ins...	json	a few seconds ago
MEDICINE R...	{"Patient Name":"Madhu","Medicine Name":"Dol...	json	a few seconds ago
MEDICINE R...	{"Patient Name":"Madhu","Medicine Name":"Par...	json	a few seconds ago

## Application using MIT app Inventor:

