Project Development - Delivery Of Sprint-3

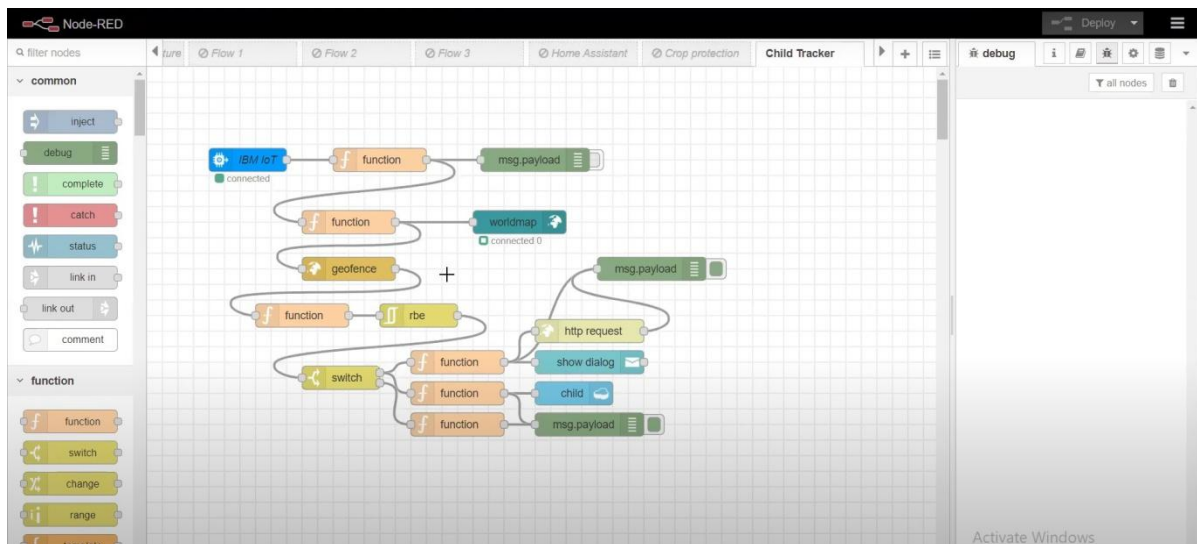| Date	14-11-2022
Team ID	PNT2022TMID00709
ProjectName	Project-IoT Based Safety Gadget For Child Safety Monitoring & Notification
MaximumMarks	

IoT Device – Watson communication

The data from IoT device should reach IBM Cloud

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":11.03}	json	a minute ago

NODE RED-CLOUDANTDB COMMUNICATION:

```
Editor - C:\Users\HP\Desktop\child.py

child.py

 1 import json
 2 import wiotp.sdk.device
 3 import time
 4
 5 myConfig = {
 6     "identity": {
 7         "orgId": "hj5fmy",
 8         "typeId": "NodeMCU",
 9         "deviceId": "12345"
10     },
11     "auth": {
12         "token": "12345678"
13     }
14 }
15 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
16 client.connect()
17
18 while True:
19     name= "Smartbridge"
20     #in area location
21
22     #latitude= 17.4225176
23     #longitude= 78.5458842
24
25     #out area location
26
27     latitude= 17.4219272
28     longitude= 78.5488783
29     myData={'name': name, 'lat':latitude,'lon':longitude}
30     client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
31     print("Data published to IBM IoT platfrom: ",myData)
32     time.sleep(5)
33
34 client.disconnect()
35
36
```

IPython console

Console 2/A

```
Data published to IBM IoT platfrom:
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```

Databases

Database name   Create Database   { } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	
noderedwjldy20221105	37.4 KB	4	No	
sample	59.4 KB	351	No	
sensor_data	15.7 KB	90	No	

Showing 1–4 of 4 databases.   Databases per page   20   «   1   »

Log Out

RESULT:The data stored in IBM Cloud should be properlyintegrated with Cloudant DB