

Develop The Web Application Using Node-RED

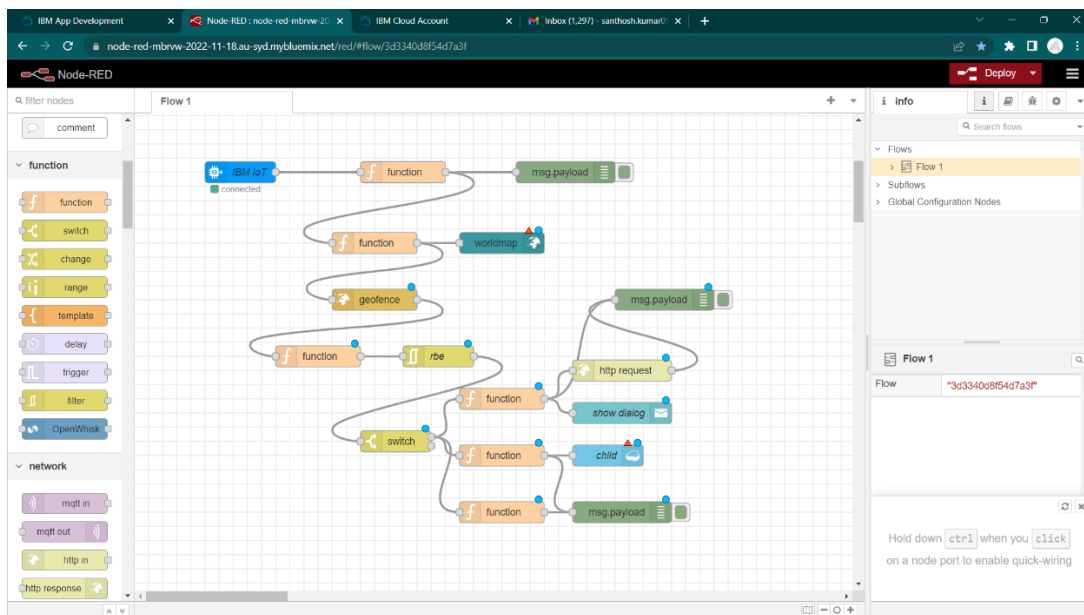
Team Id:	IOT Based Safety Gadget for Child Safety Monitoring & Notification
Project Name:	PNT2022TMID26599

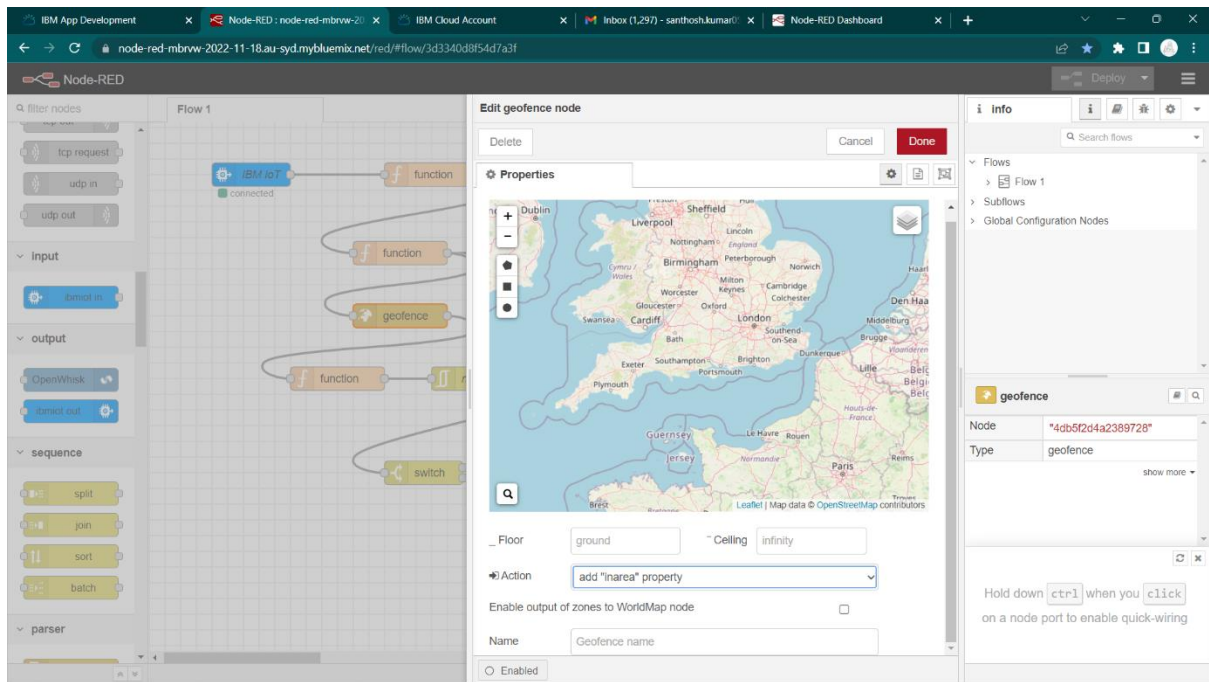
AIM:

Develop the web application using Node-RED

STEPS:

Opened a Node-RED project



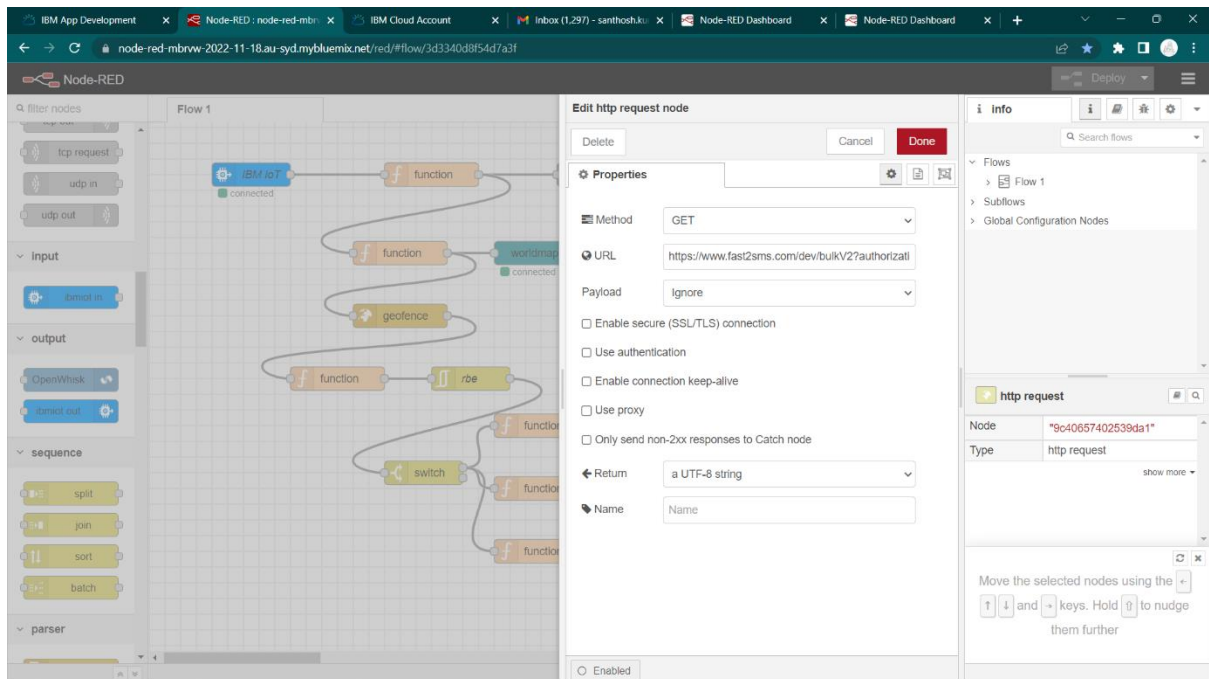


Added Code to get child location in python

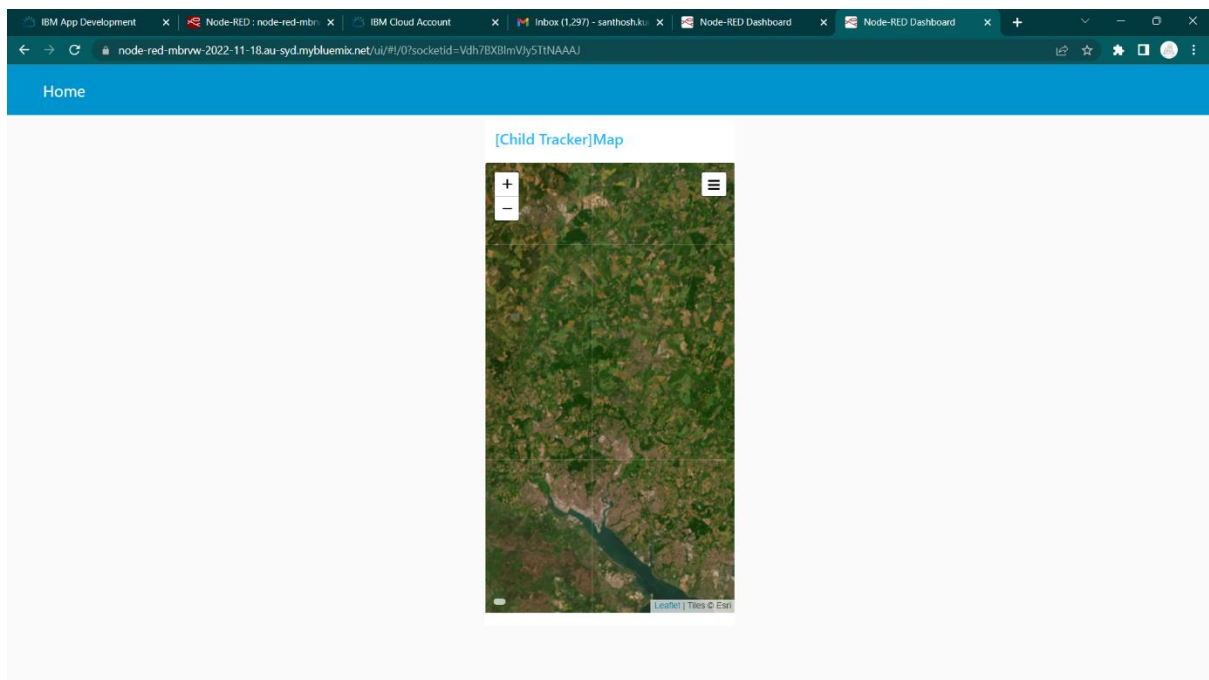
```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import json
import wiotp.sdk.device
import time
myconfig={
    "identity":{
        "orgid": "h35fmy",
        "typeid": "NodeMCU",
        "deviceid": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
cliinte = wiotp.sdk.device.Deviceclient(config=myconfig, logHandlers=None)
cliinte.connect()

while True:
    name="smatbridge"
    latitude=17.4219272
    longitude=78.5488783
    myData={"name": name, 'lat':latitude, 'lon':longitude}
    cliinte.publishEvent(eventid="status", msgFormat="json", data=myData, qos=0, onpublish=None)
    print("Data published to IBM IOT platform:",myData)
    time.sleep(5)
cliinte.disconnect()
```

Editing the HTTP Request URL



Locate the Child:



Python Script requests to IBM Cloud:

```
Editor - C:\Users\HP\Desktop\child.py Python console
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 platform: ",myData)
32     time.sleep(5)
33
34 client.disconnect()
35
36
```