Develop The Web Application Using Node-RED
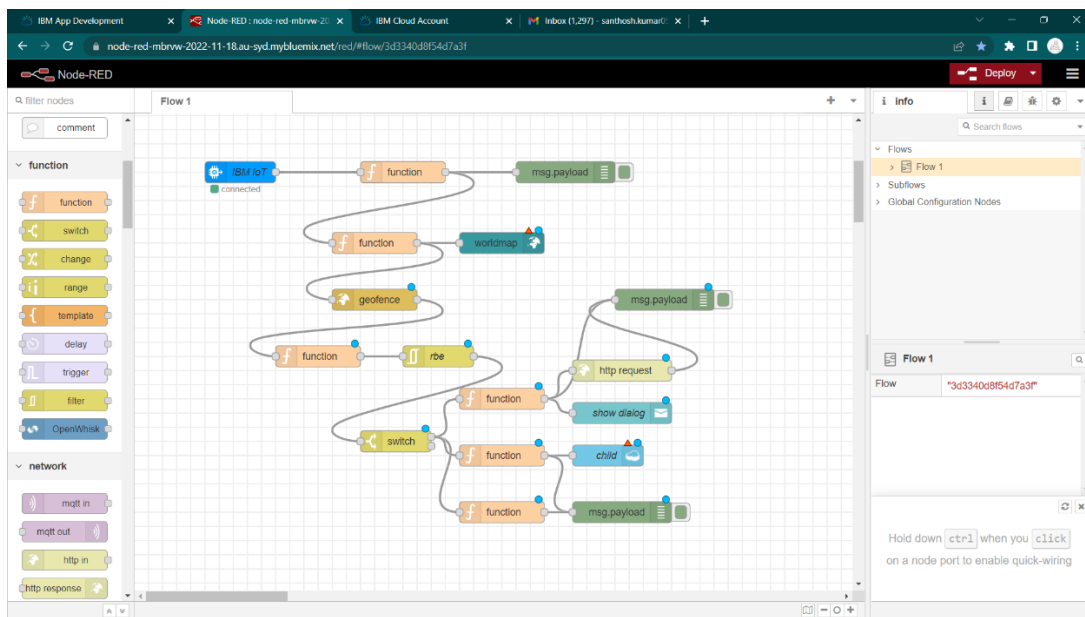
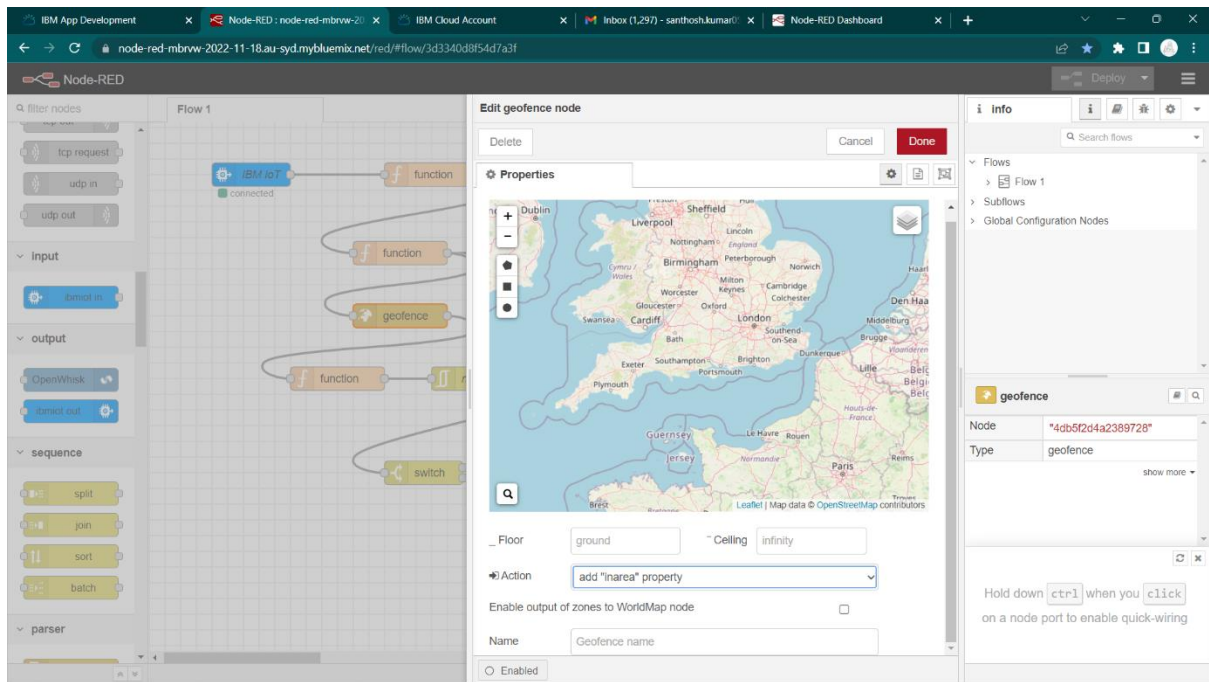| Team Id:	PNT2022TMID26599
Project Name:	IoT Based Safety Gadget for Child Safety Monitoring & Notification

AIM:

Develop the web application using Node-RED
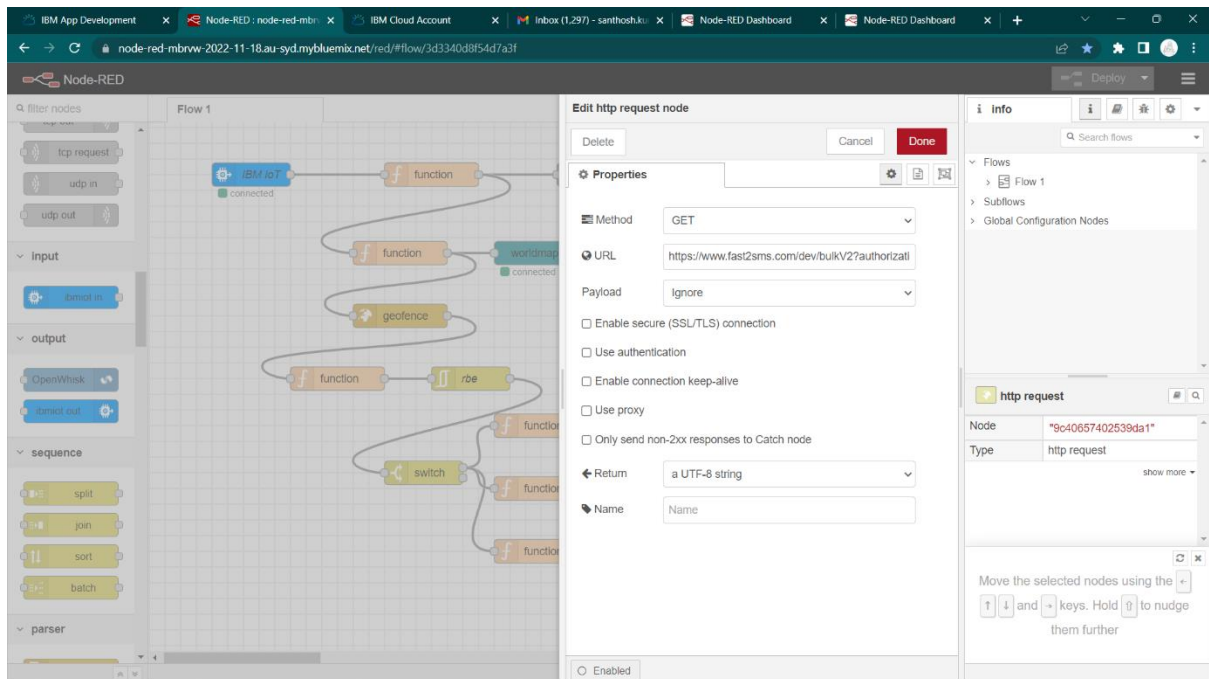
STEPS:

Opened a Node-RED project
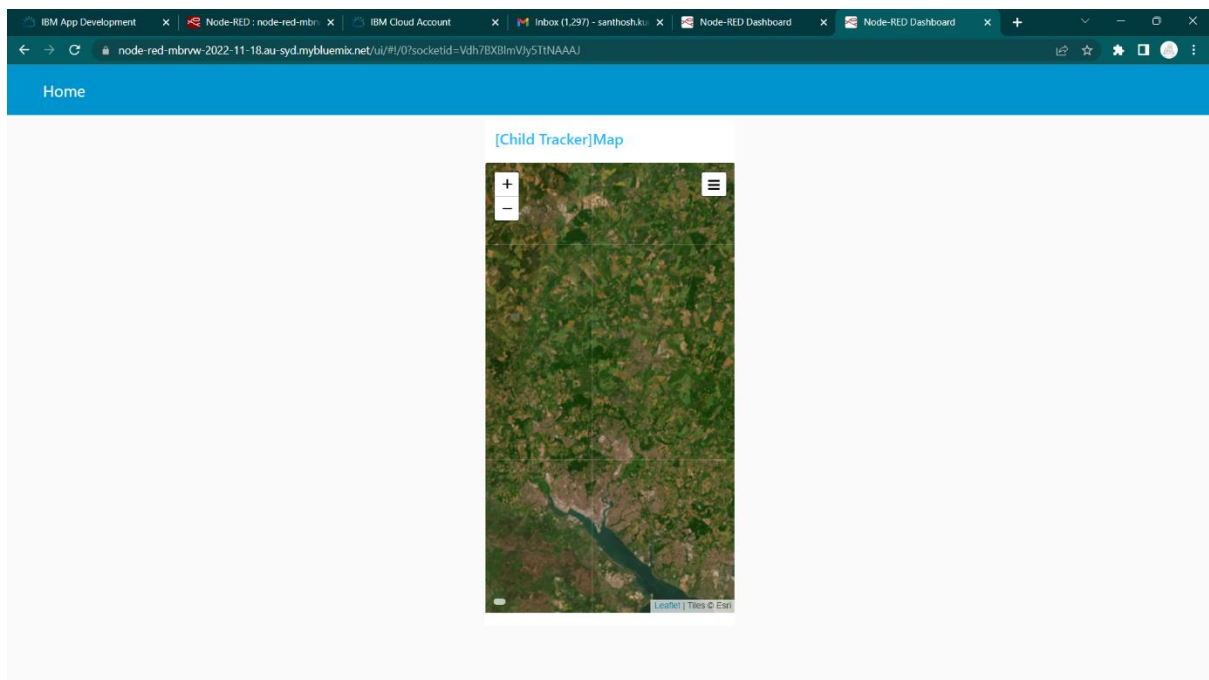
Added Code to get child location in python


```
Python 3.7.4 (tags/v3.7.4:e09359112e, 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": "hj5fmy",
"typeid": "NodeMCU",
"deviceid": "12345"
},
"auth": {
"token": "12345678"
}
}
clinte = wiotp.sdk.device.Deviceclient(config=myconfig, logHandlers=None)
clinte.connect()

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

Editing the HTTP Request URL

Locate the Child:

Python Script requests to IBM Cloud:


```python
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location

    #Latitude= 17.4225176
    #longitude= 78.5458842

    #out area location

    latitude= 17.4219272
    longitude= 78.5488783
    myData={'name': name, 'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
    print("Data published to IBM IoT platfrom: ",myData)
    time.sleep(5)

client.disconnect()
```

```
Data published to IBM IoT platfrom:
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