Develop AWebApplicationUsingNode-RED

Date	26 October2022
Team ID	PNT2022TMID25450
ProjectName	Project-IoTBasedSafetyGadgetForChild SafetyMonitoring& Notification
MaximumMarks	2 Marks

StepsFollowed:

● OpenedaNode-REDproject
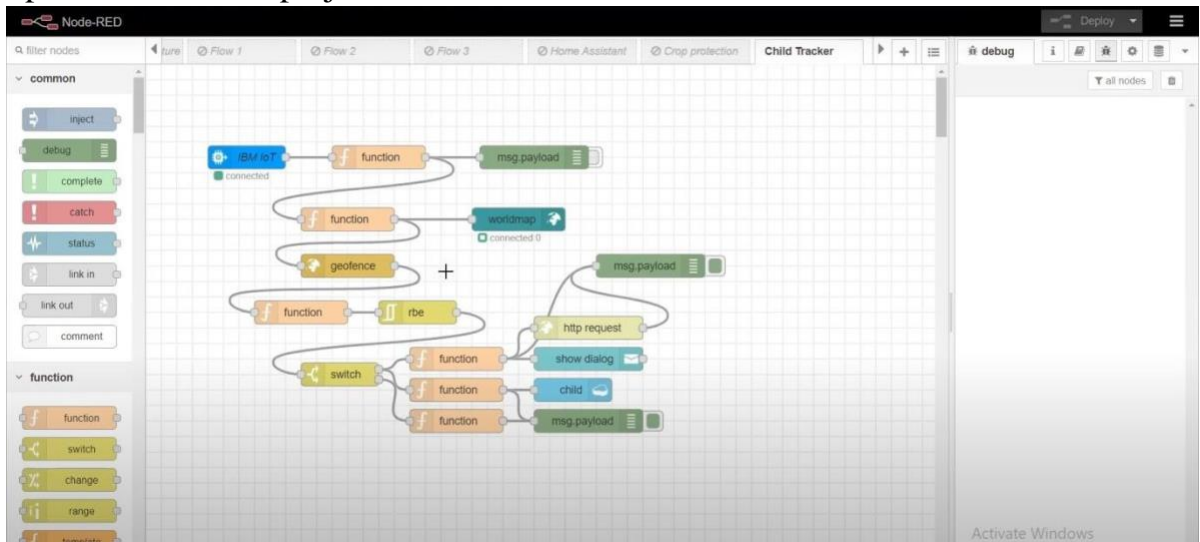
● Addedcodetogetchildlocationinpython

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```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, onPublish=None)
        print("Data published to IBM IoT platfrom: ",myData)
        time.sleep(5)

client.disconnect()
```
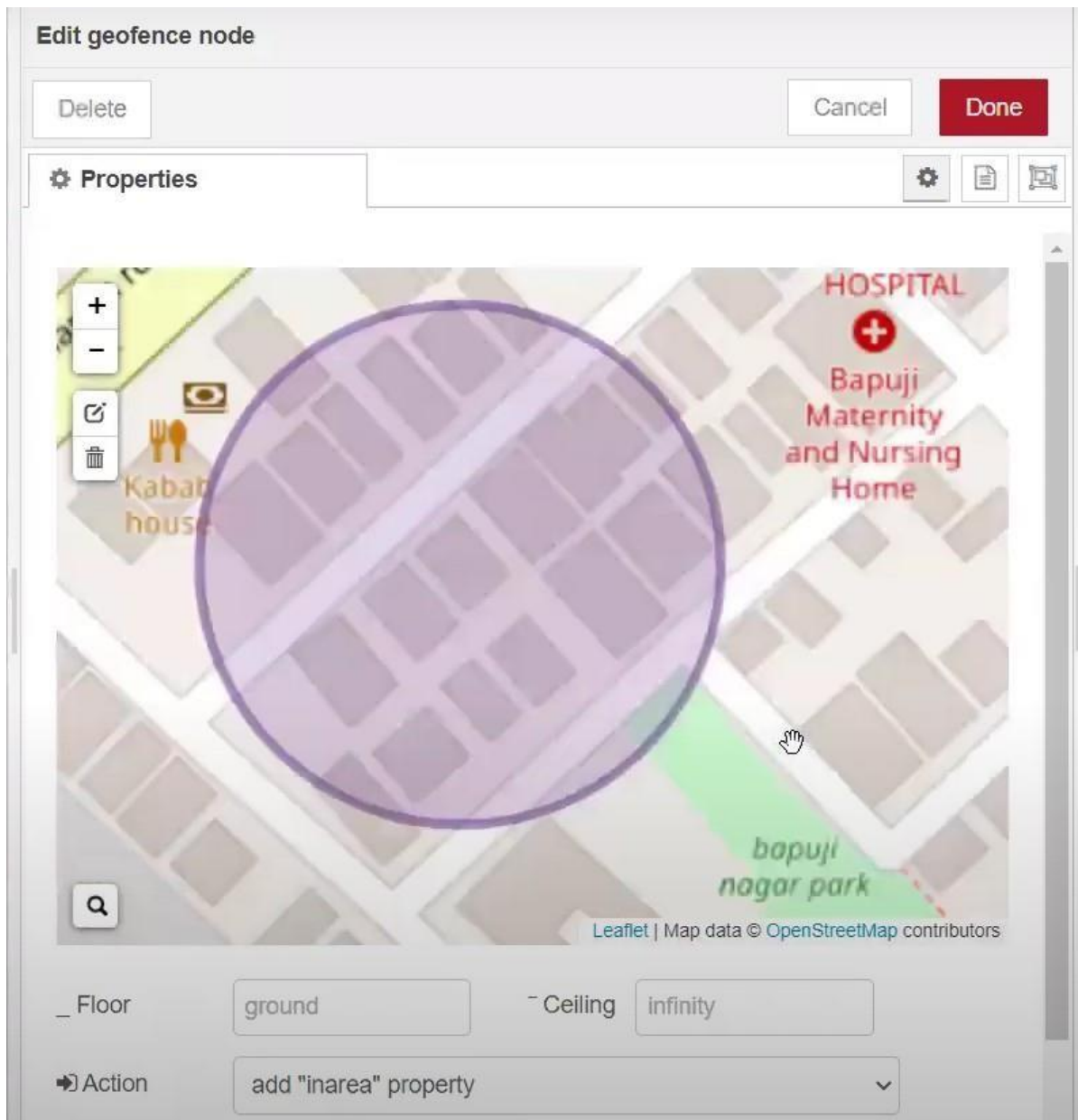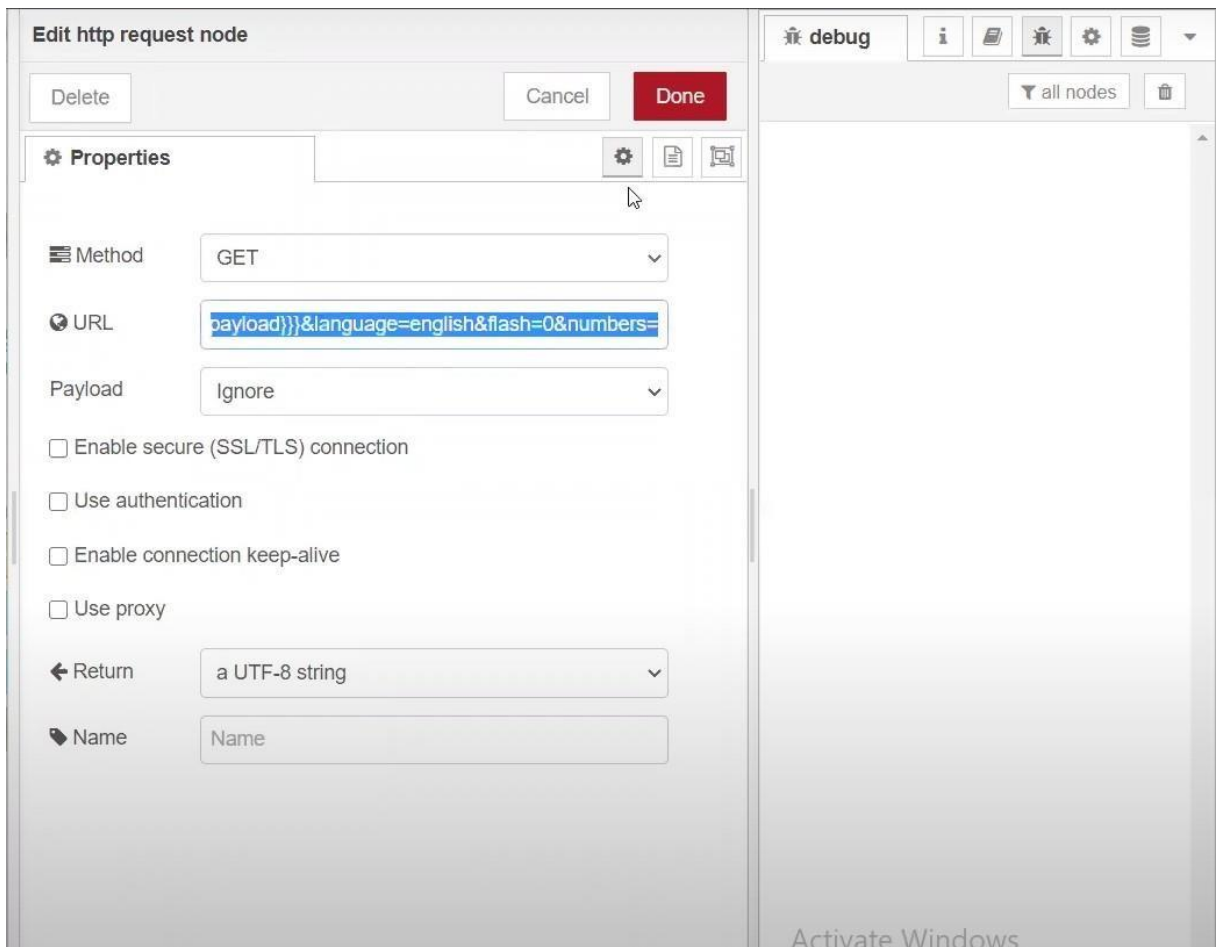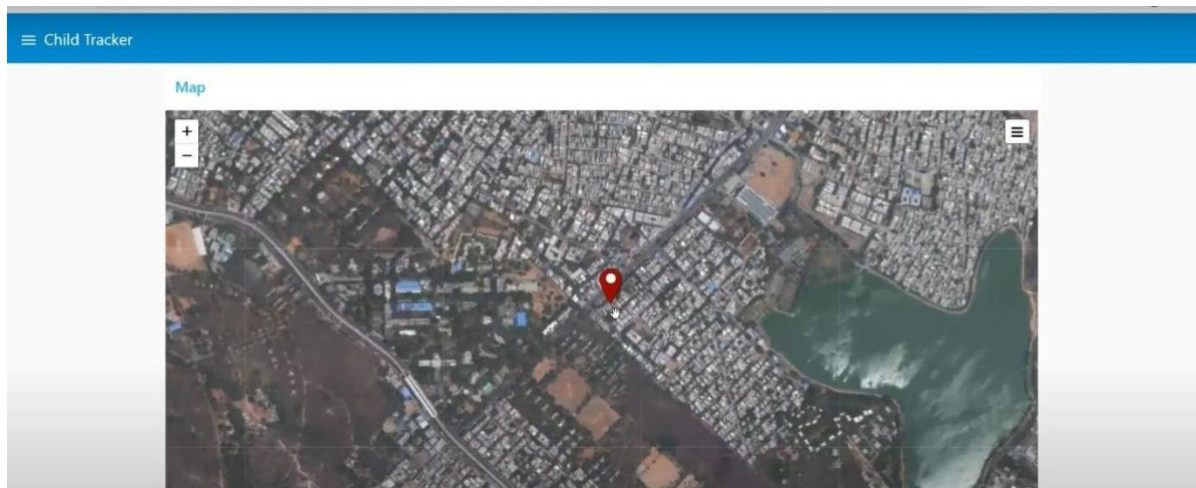
CreatedtheGeoFence

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import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
```
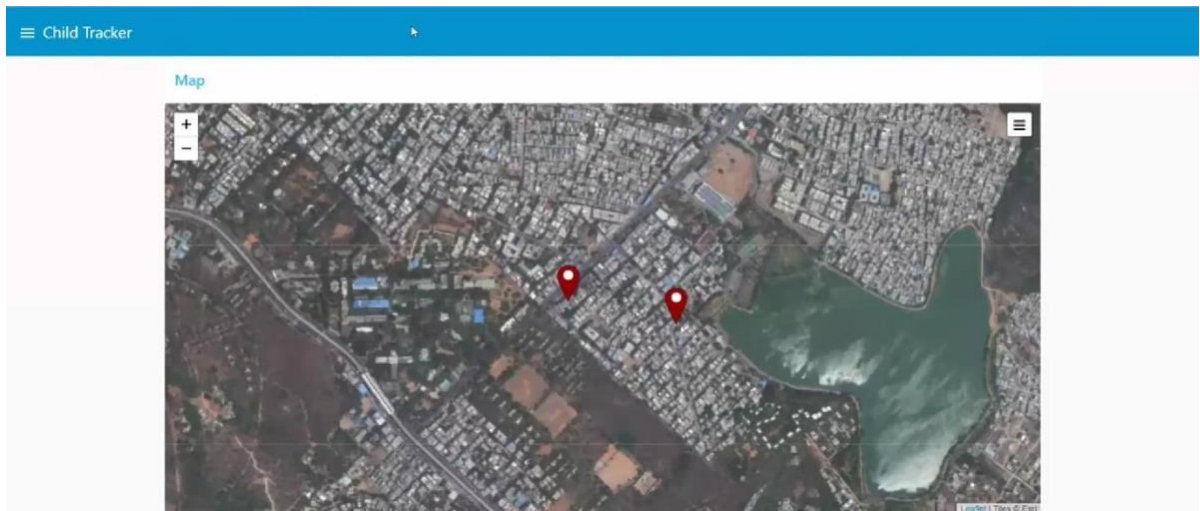
```
"auth": {
```

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EditingtheHTTPRequestURL

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Edit http request node

Delete   Cancel   **Done**

⚙ Properties   ⚙ 📄 🔲

🎚 Method   GET   ⌄

🌐 URL   payload}}}&language=english&flash=0&numbers=

Payload   Ignore   ⌄

☐ Enable secure (SSL/TLS) connection

☐ Use authentication

☐ Enable connection keep-alive

☐ Use proxy

← Return   a UTF-8 string   ⌄

🏷 Name   Name

🐞 debug   i 📒 🐞 ⚙ 🗄 ⌄

                          ▼ all nodes   🗑

Activate Windows

- Locatedthechild

≡ Child Tracker

Map

Createdthegeofencenode

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- Python script sending requests to IBM Cloud

After running the script, the web UI shows "Person is not in the particular area"

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Result:SuccessfullydevelopedawebapplicationusingNode-RED

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