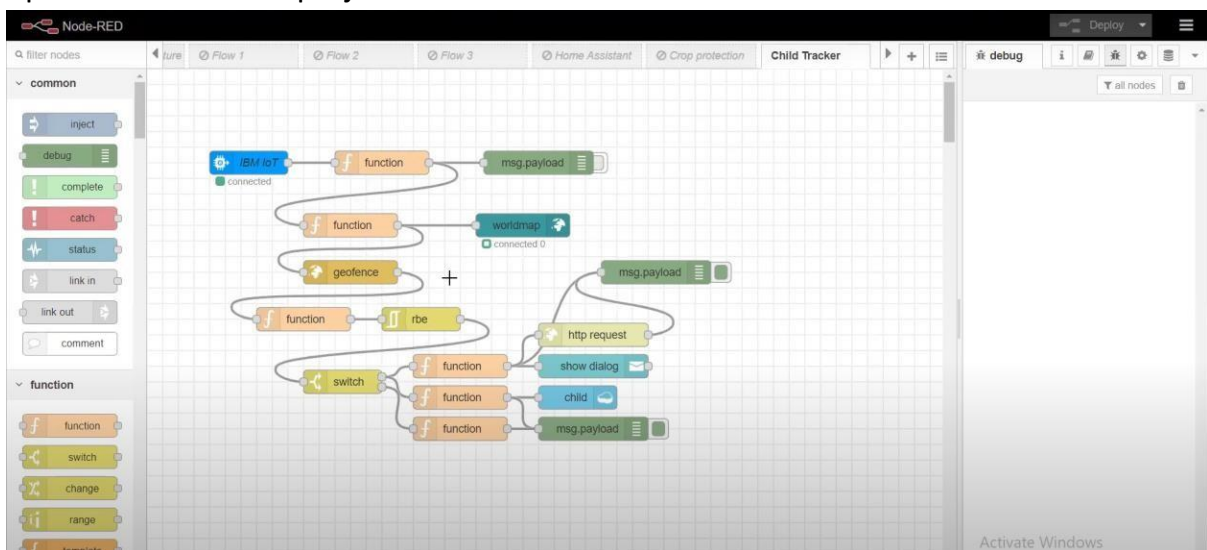


Develop The Web Application Using Node-RED

| | |
|-----------------|--|
| Submission date | 14 September 2022 |
| Project name | Project-IoT based safety gadget for child safety monitoring and notification |
| Team Id | PNT2022TMID23100 |

- Opened a Node-RED project



- Added code to get child location in 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 platform: ",myData)
    time.sleep(5)

client.disconnect()
```

Created the GeoFence

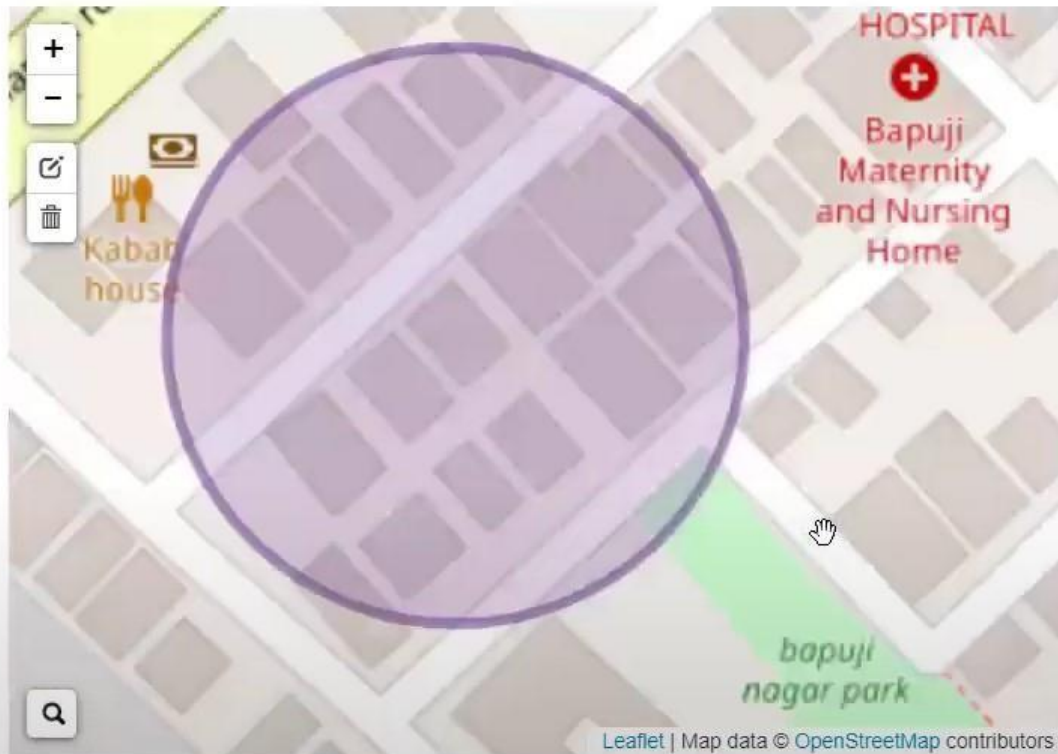
Edit geofence node

Delete

Cancel

Done

Properties



Leaflet | Map data © OpenStreetMap contributors

_ Floor

ground

~ Ceiling

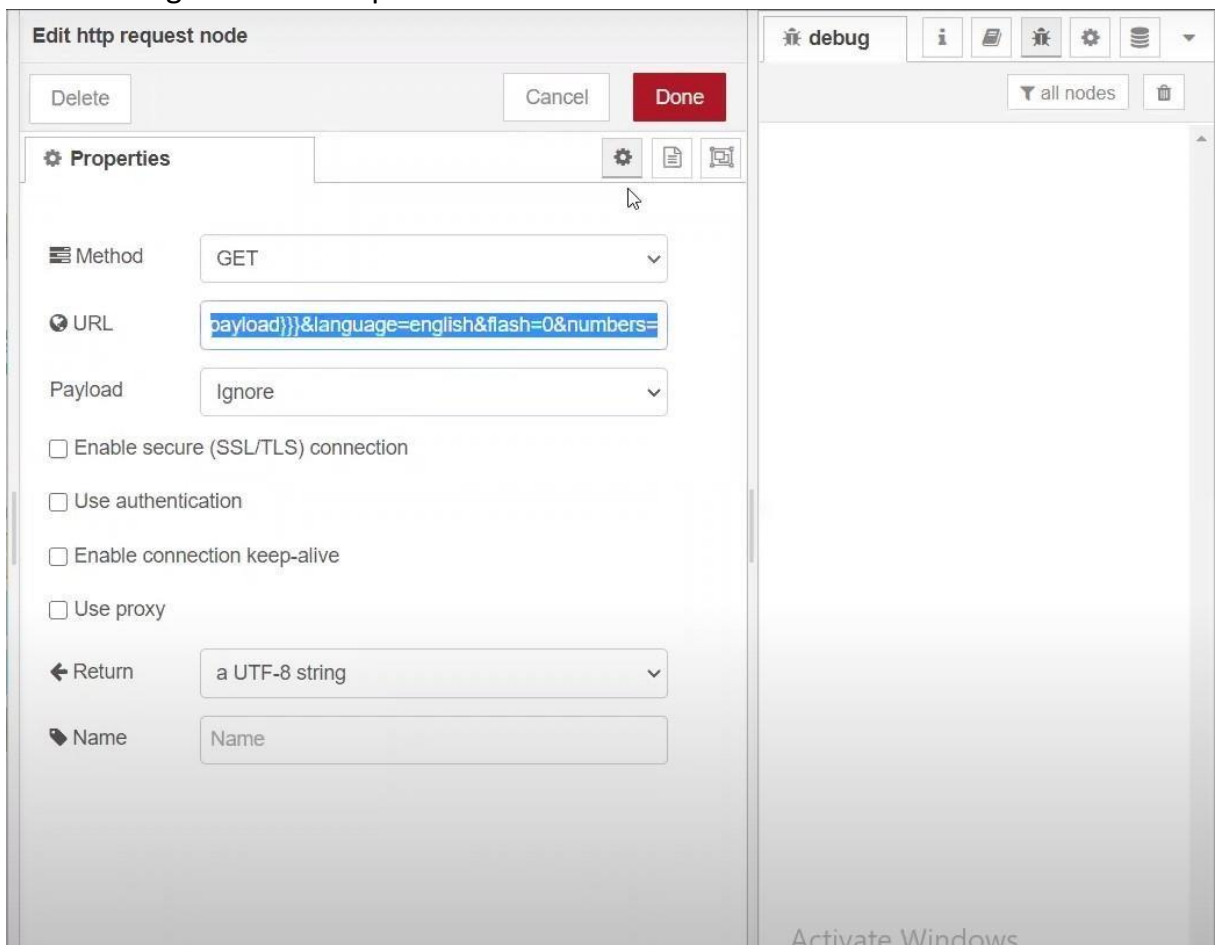
infinity

➔ Action

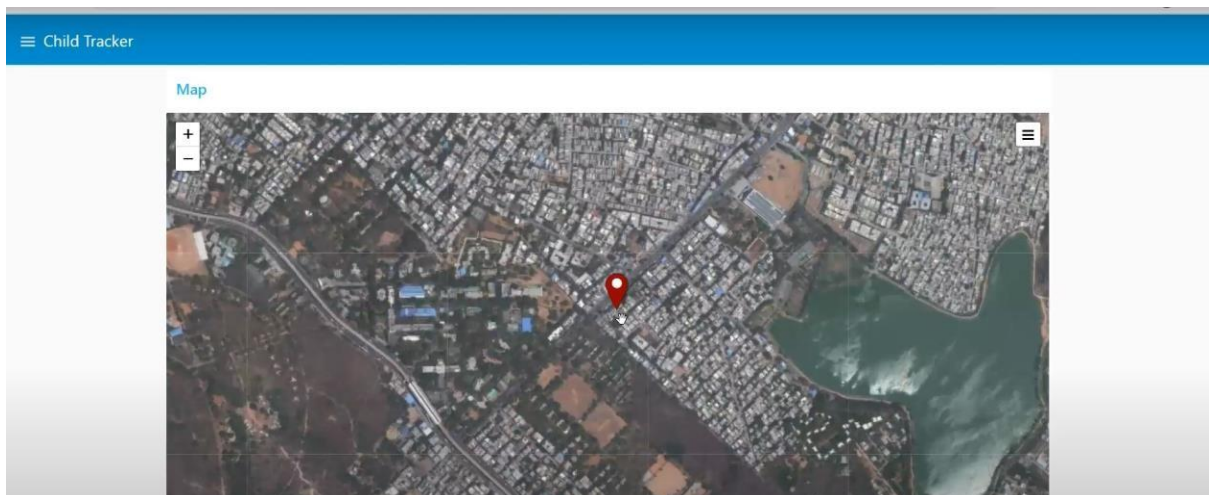
add "inarea" property



Editing the HTTP Request URL



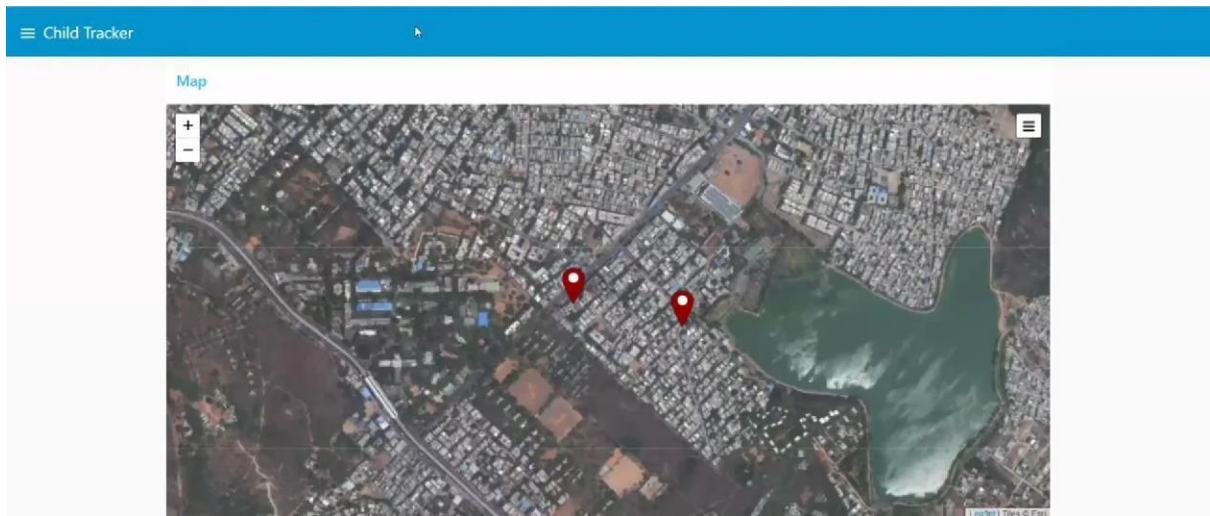
- Located the child



Created the geofence node

-

particular area”



Result: Successfully developed the web application using Node-RED