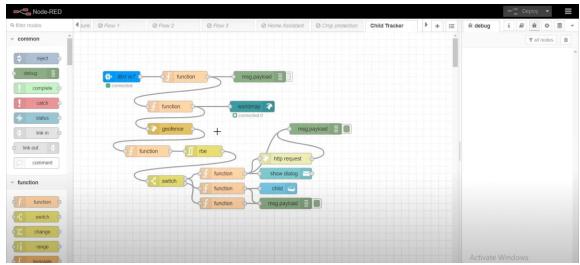
Develop The Web Application Using Node-RED

Team ID:PNT2022TMID30760

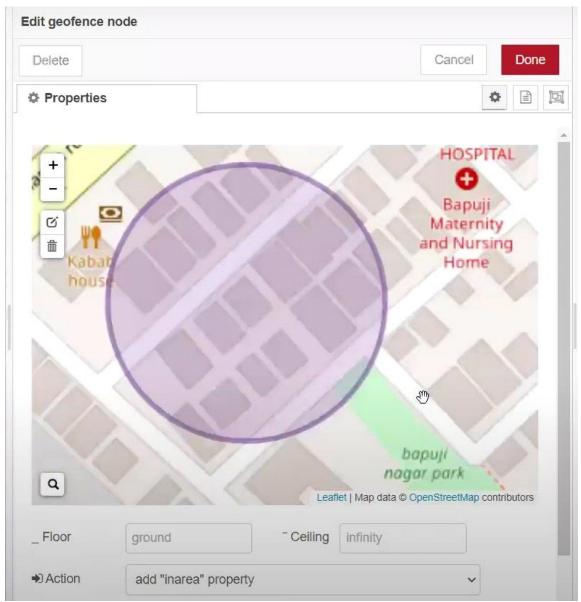
Aim: Develop the web application using **Node**-REDSteps Followed:



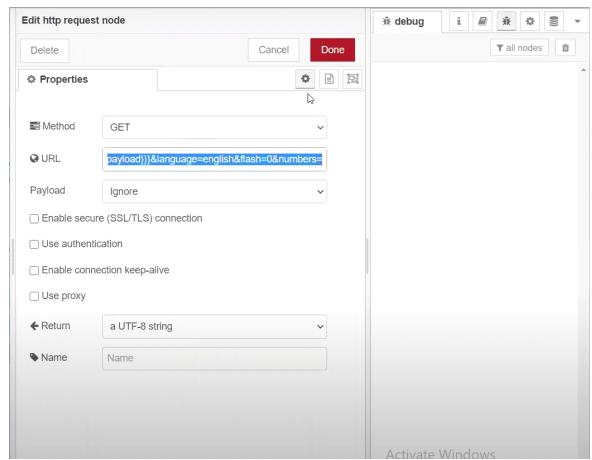
Opened a Node-RED project

• Added code to get child location in python

```
import json
import wiotp.sdk.device
import time
myConfig = {
      onrig = {
  "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()
```

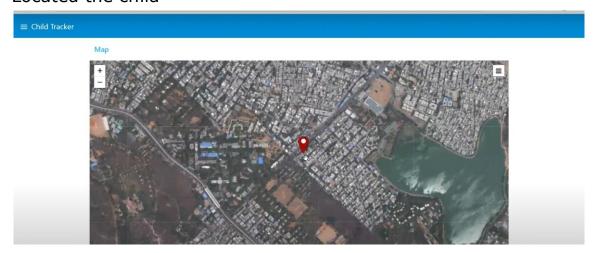


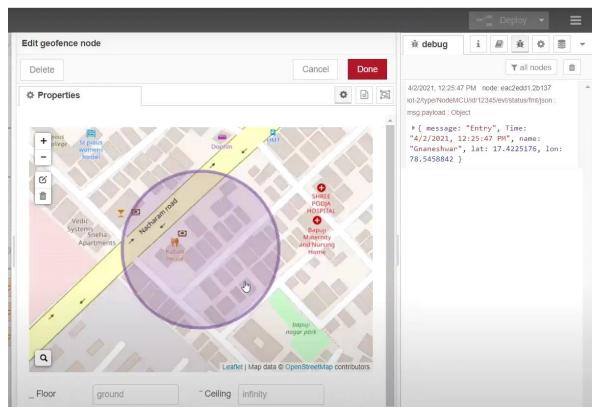
Created the GeoFence



Editing the HTTP Request URL

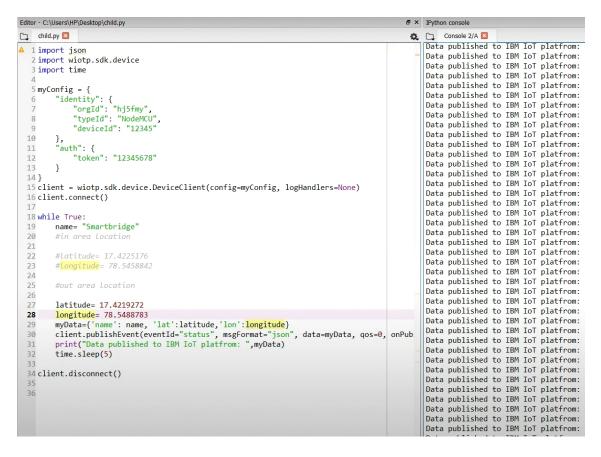
Located the child

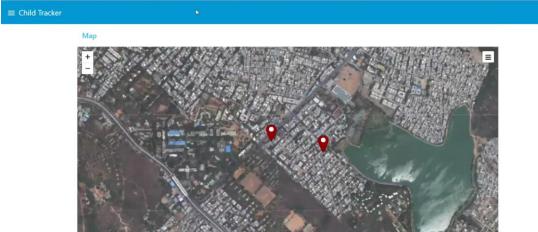




Created the geofence node

• Python script sending requests to IBM Cloud





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

Result: Successfully developed the web application using Node-RED