DEVELOP THE WEB APPLICATION USING -RED NODE

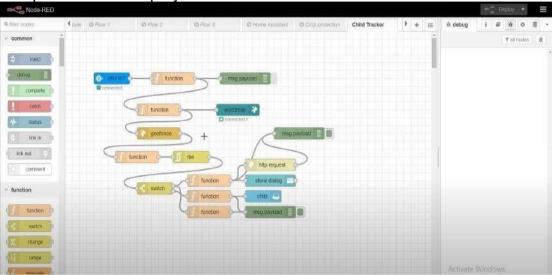
Title	IoT Based Safety Gadget for Child Safety Monitoring and Notification.
Domain Name	Internet of Things (IOT)
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Develop The Web Application Using Node-RED

1. To Develop the web application using Node-RED

Steps:

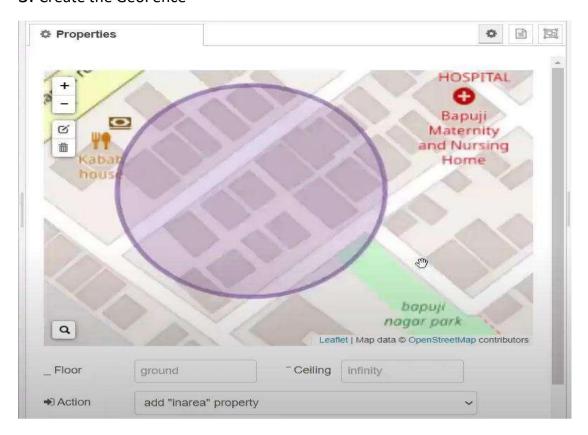
1. Open a Node-RED project



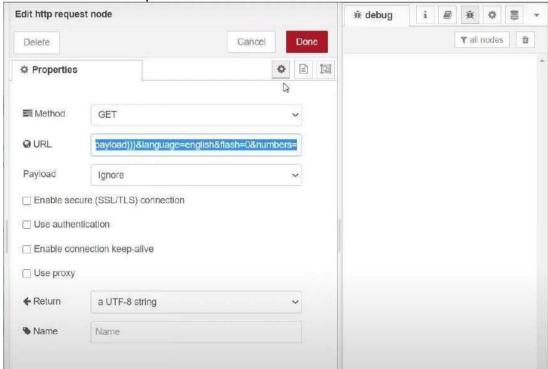
2. Add code to get child location in python

```
ort json
 import wiotp.sdk.device
import time
myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
      l,
"auth": {
              "token": "12345678"
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
Thile True:
             name= "Smartbridge"
             #in area location
             latitude= 17.4225176
longitude= 78.5458842
             #out area location
             #latitude= 17,4219272
             #lantitude= 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()
```

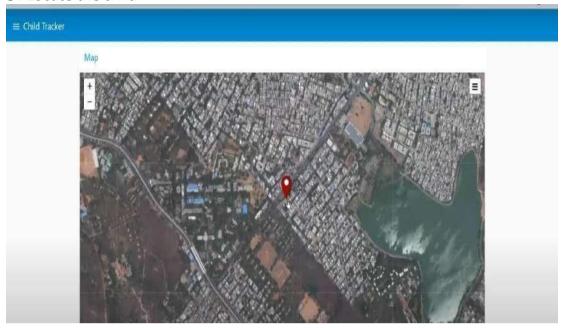
3. Create the GeoFence



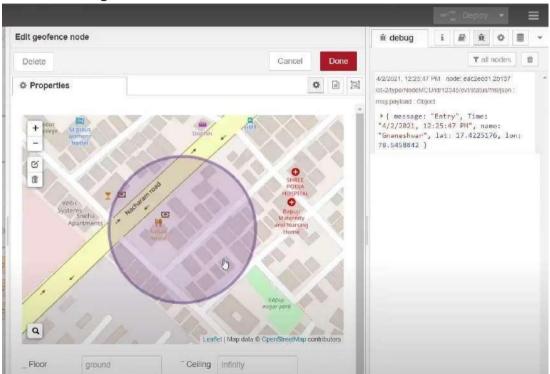
4. Edit the HTTP Request URL



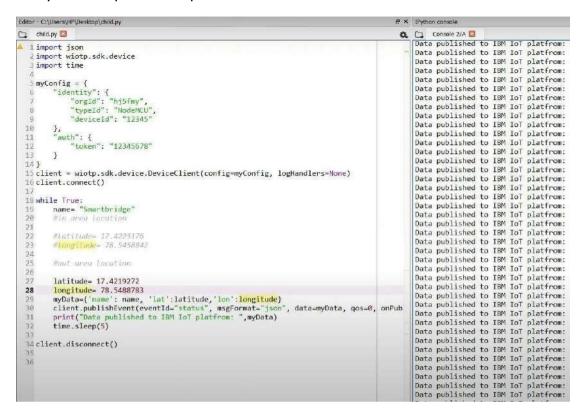
5. Locate the child



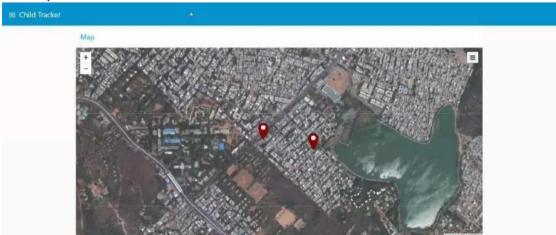
6. Create the geofence node



7. Python script send requests to IBM Cloud.



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



Conclusion:

Developed the web application using Node-RED Successfully