DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

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Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification

DEVELOP A WEB APPLICATION USING NODE-RED SERVICE:

1. The node red application is developed with the required function.
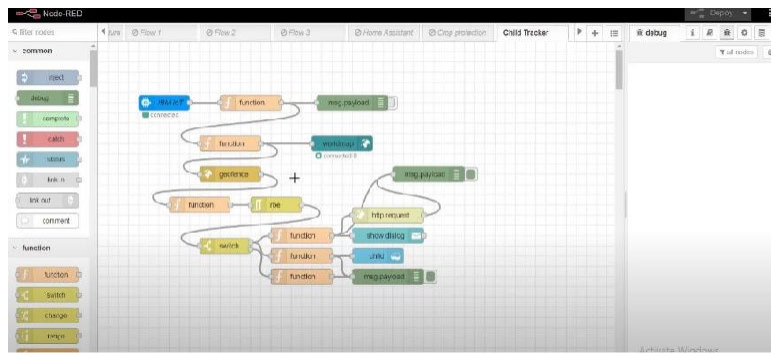
2. Python code:

```
import json
import wiotp.sdk.device
import time
myconfig = {
    "identity": {
        "orgId": "a701la",
        "typeId": "IOT",
        "deviceId": "123"
    },
    "auth": {
        "token": "y-WPnT45YRkMF2ic2g"
    }
}
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=78.5468783
    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()
```
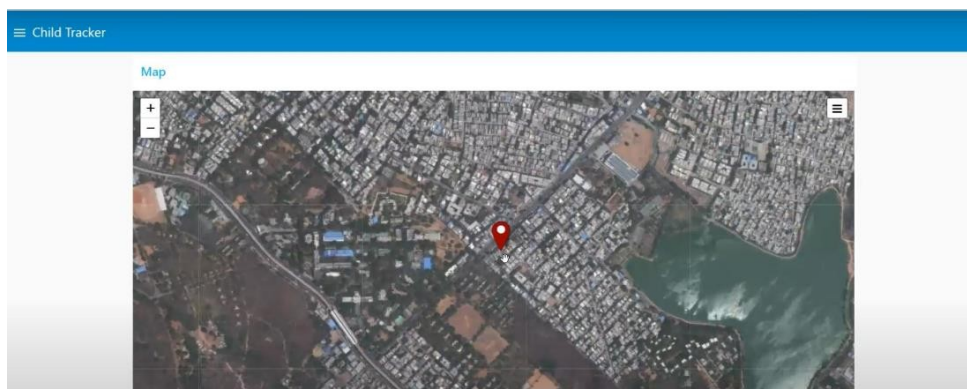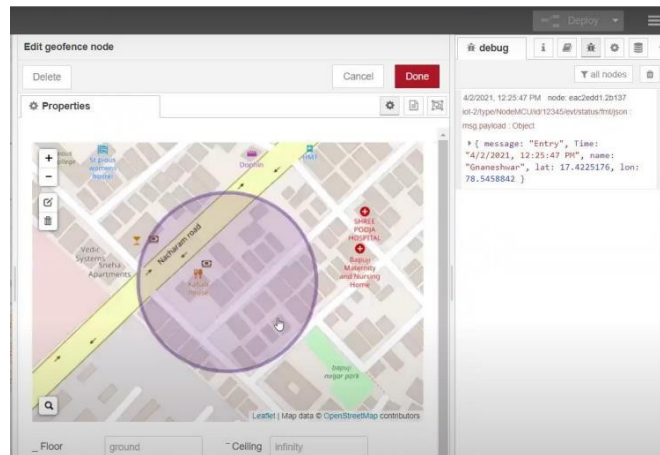
3. Create a geofence
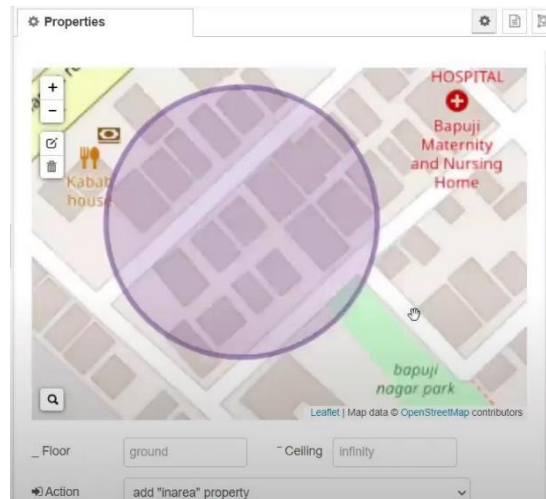
4. Edit the http request url.
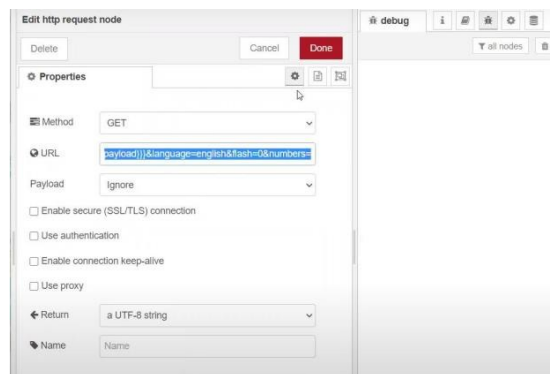
5. Locate the child.

6. Create the geofence node.

7. Python script send requests to IBM cloud:

8. The web application is developed.