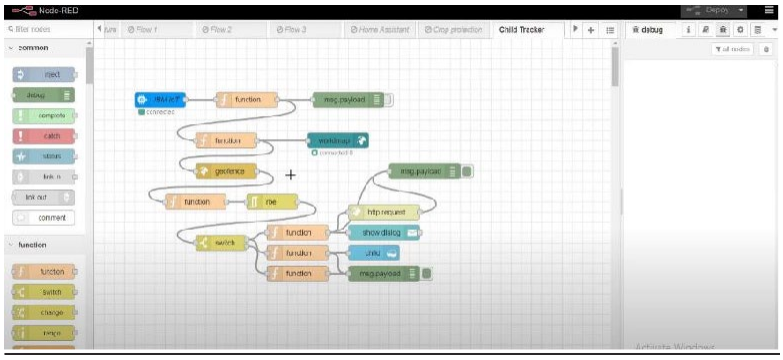
DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

Date	19 November 2022
Team ID	PNT2022TMID34385
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification

DEVELOP A WEB APPLICATION USING NODE-RED SERVICE:

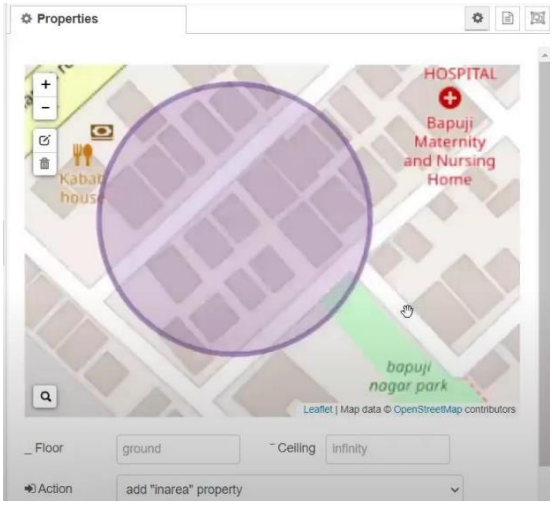
1. The node red application is developed with the required function.



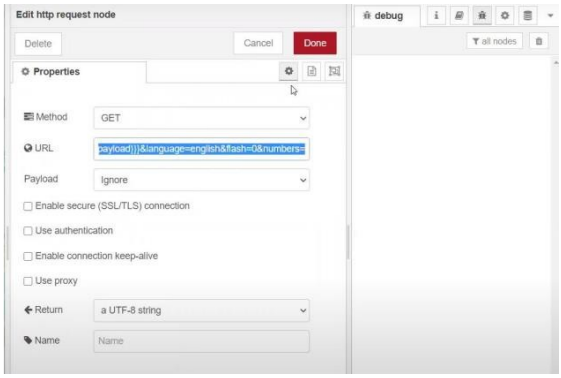
2. Python code:

```
File  Edit  Format  Run  Options  Window  Help
import json
import wiotp.sdk.device
import time
myConfig = {
    "identity": {
        "orgId": "a7011a",
        "typeId": "IOT",
        "deviceId": "123"
    },
    "auth": {
        "token": "y-WPn745YFkMF2ic2g"
    }
}
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()
```

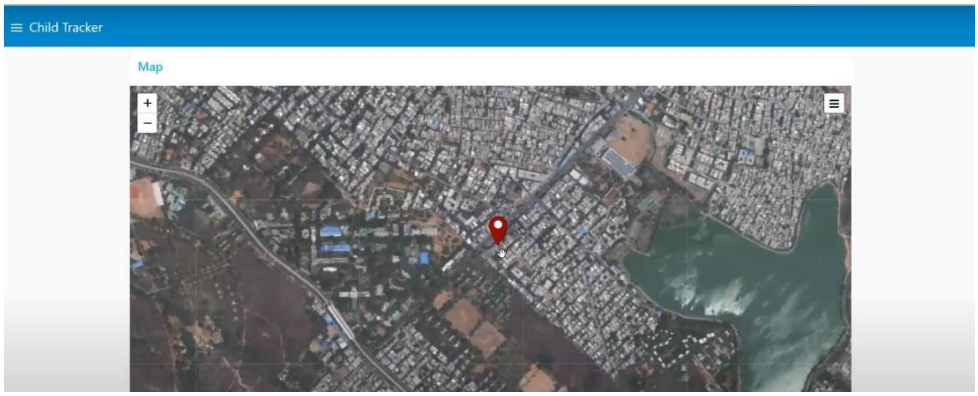
3. Create a geofence



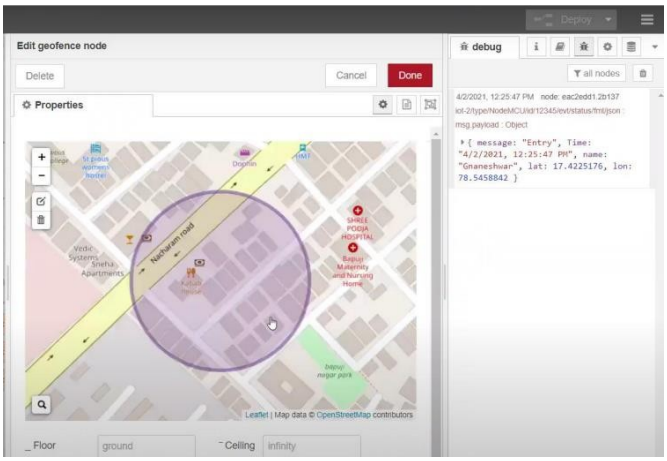
4. Edit the http request url.



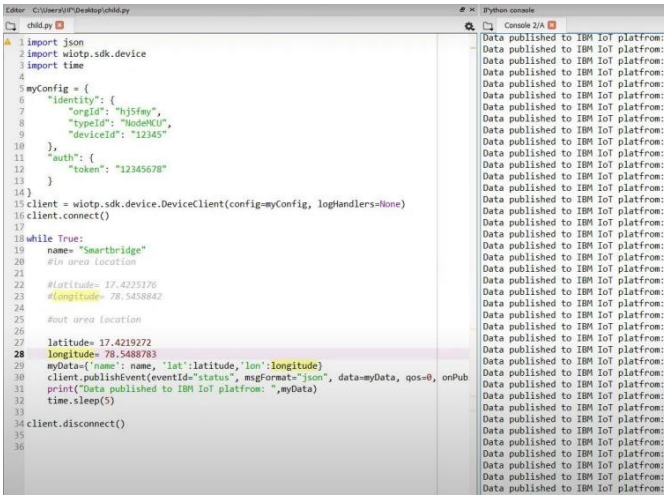
5. Locate the child.



6. Create the geofence node.



7. Python script send requests to IBM cloud:



8. The web application is developed.