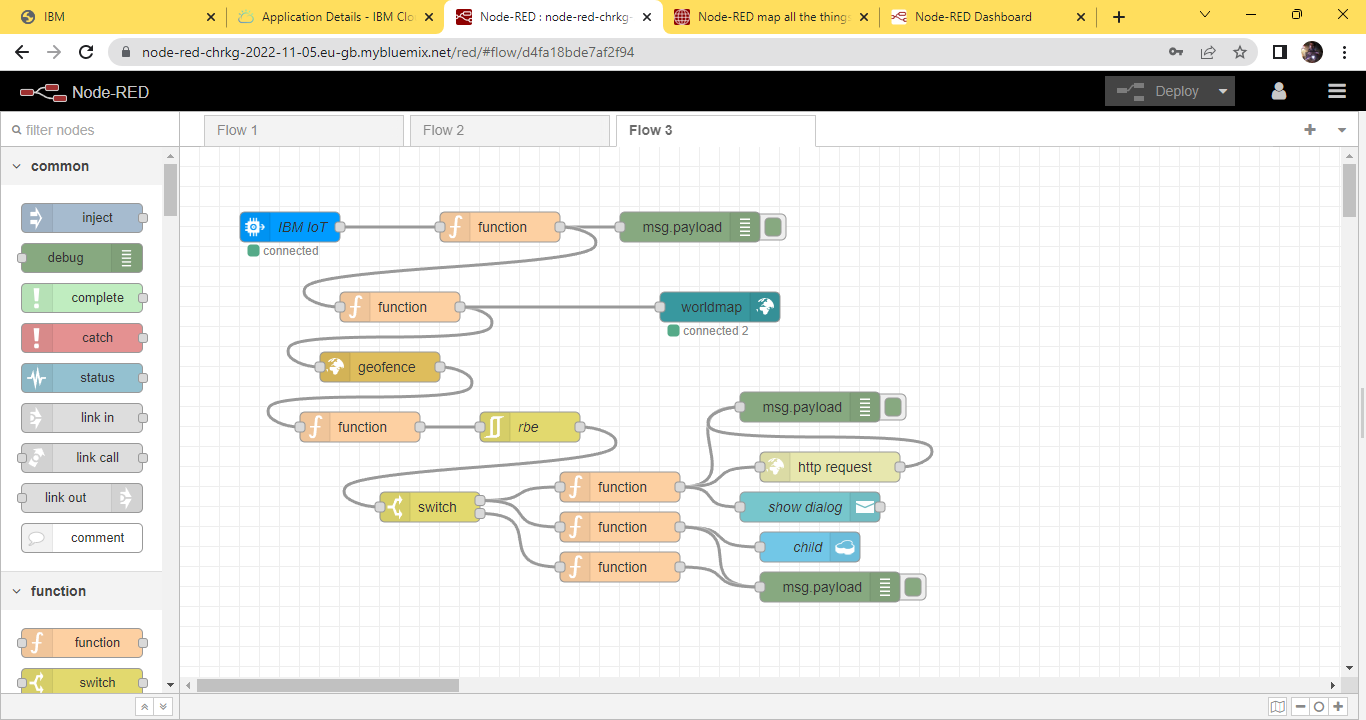
|  |  |
| --- | --- |
| **Team ID** | PNT2022TMID42442 |
| **Project Title** | IoT Based Safety Gadget for Child Safety Monitoring and Notification |

**Develop The Web Application Using Node-RED**

Aim: Develop the web application using Node-RED Steps Followed:

* Opened a Node-RED project
* Added code to get child location in python

import json

import wiotp.sdk.device

import time

myConfig = {

"identity": {

"orgId": "9o069i",

"typeId": "manimd",

"deviceId": "manimd12"

},

"auth": {

"token": "manimd07"

}

}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)

client.connect()

while True:

name = "mani"

#in area location

latitude=11.225894

longitude=76.980855

#out area location

#latitude = 11.226767

#longitude = 76.988299

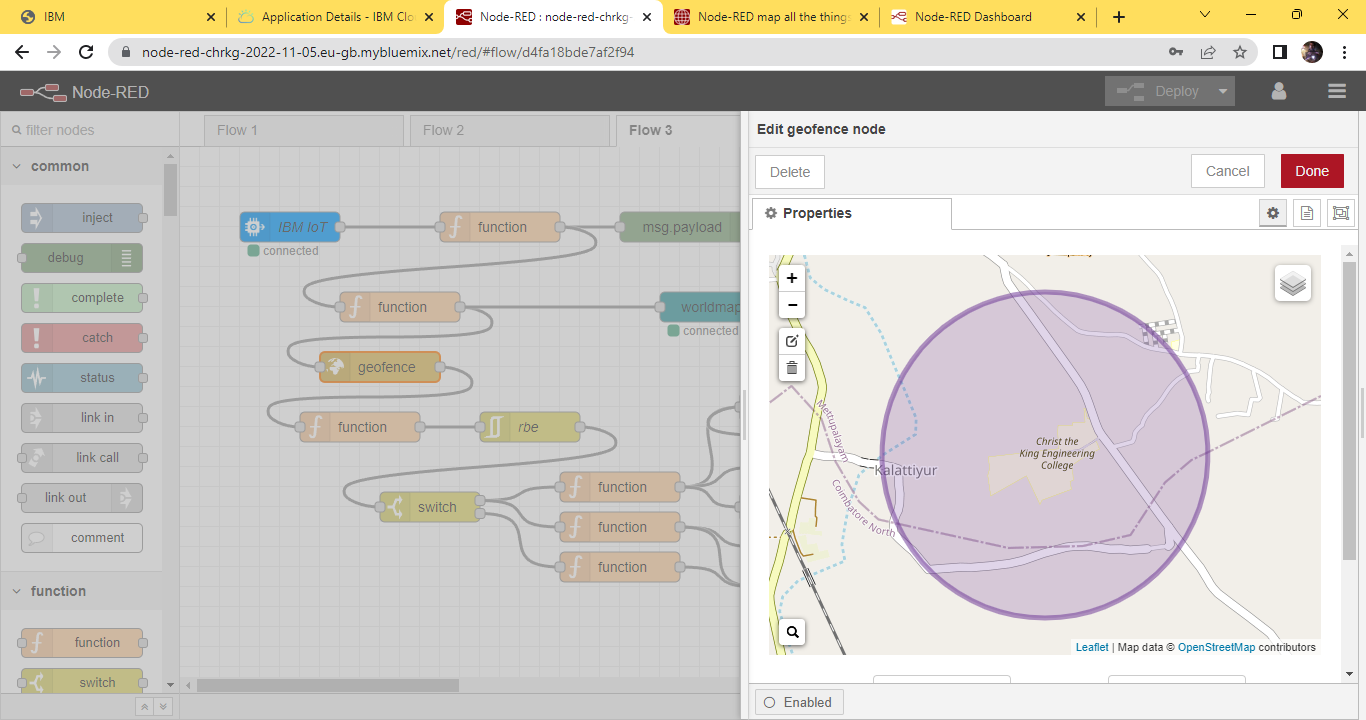
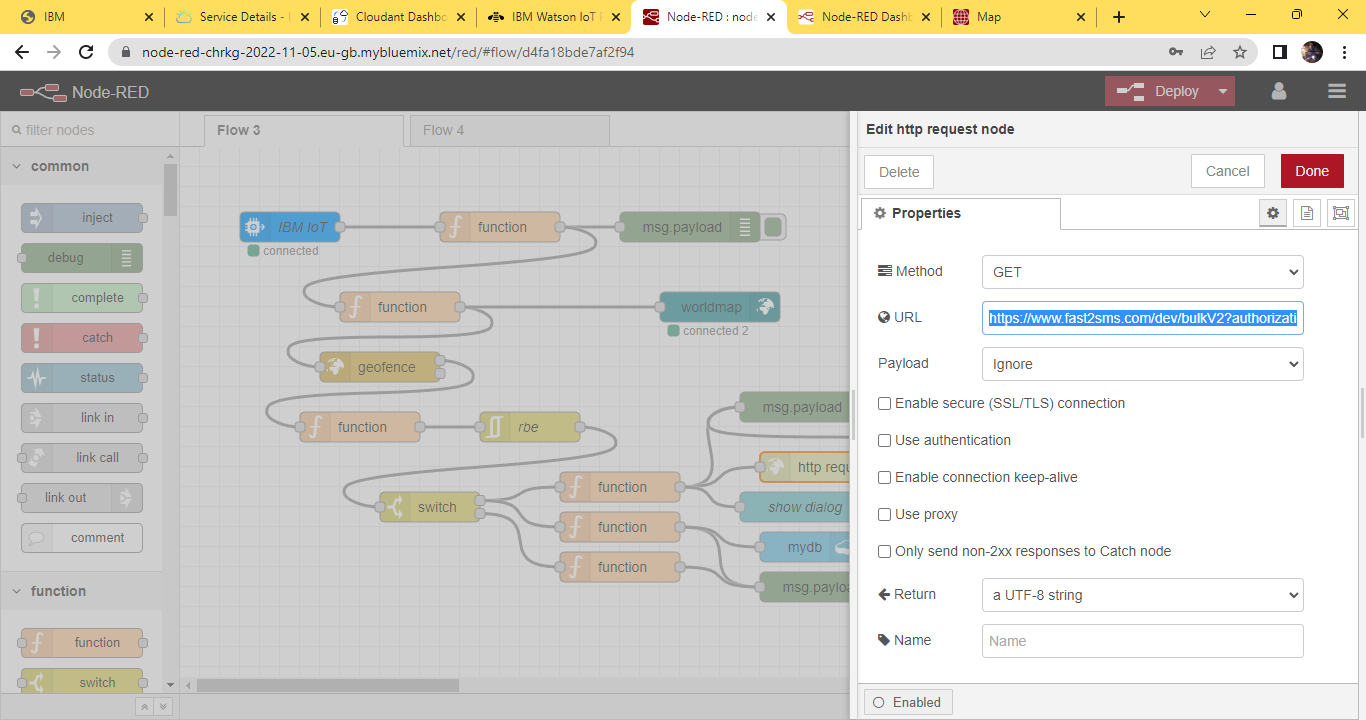
mydata = {'name': name, 'lat': latitude, 'lon': longitude}

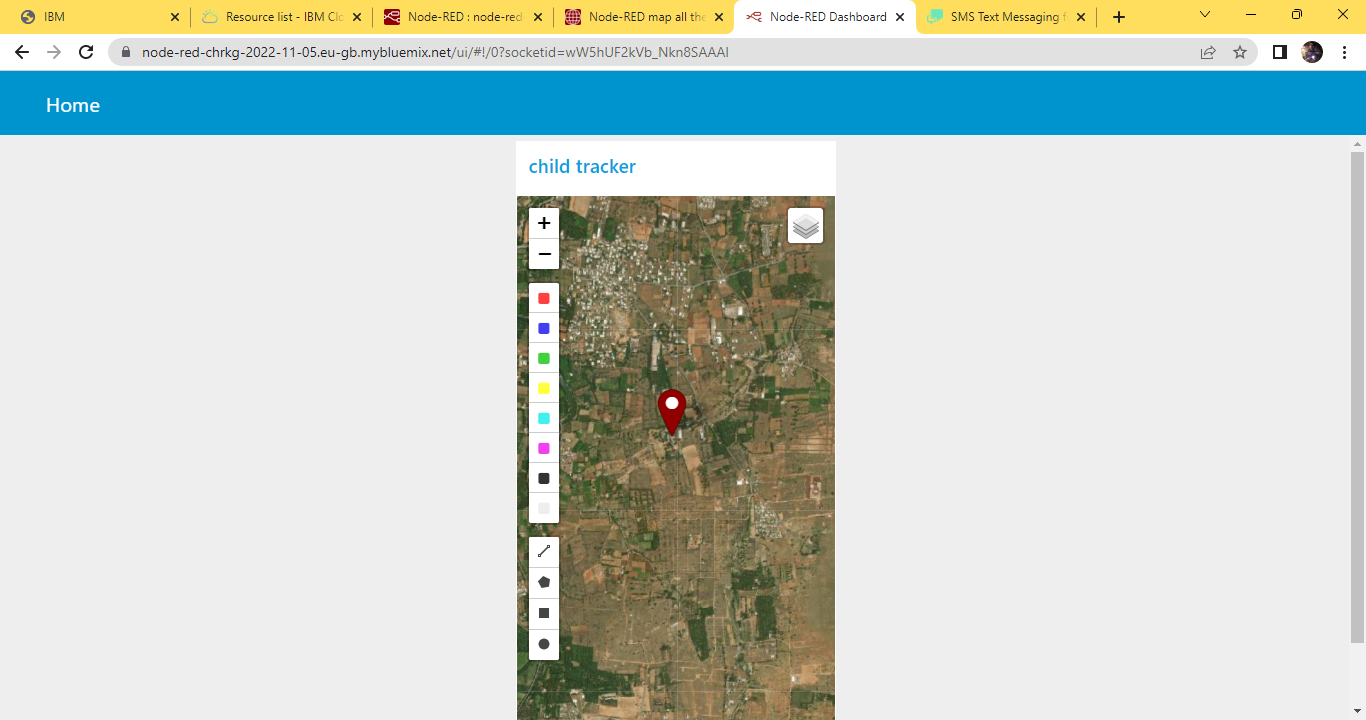
client.publishEvent(eventId="status", msgformat="json", data=mydata, qos=0, onpublish=None)

print("Data published to IBM IOT platform :", mydata)

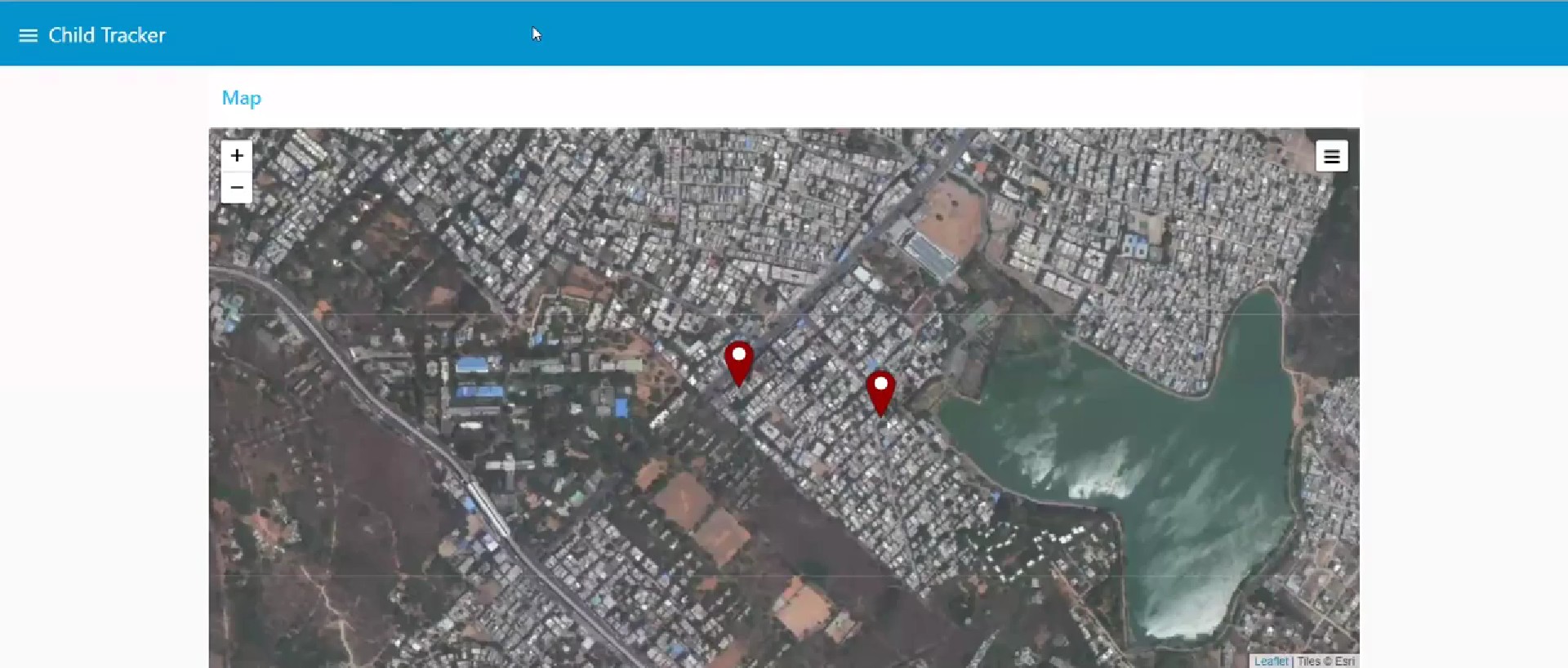
time.sleep(5)

client.disconnect()

* Created the GeoFence
* Editing the HTTP Request URL
* Located the child



* After running the script, the web UI shows “Person is not in the particular area”



* Result: Successfully developed the web application using Node-RED