PROJECT DEVELOPMENT PHASE

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Project Name	Project – IOT-Based Safety Gadget for Child Safety Monitoring and Notification

SPRINT-1

Source code for GPS Location:

```python
import phonenumbers
import opencage
import folium
import webbrowser

number = "+916385571249"

from phonenumbers import geocoder  # is a function

par_number = phonenumbers.parse(number)

location = geocoder.description_for_number(par_number, "en")

print(location)

# to see the service provider name

from phonenumbers import carrier

service_par = phonenumbers.parse(number)
```

```python
    S_provider= carrier.name_for_number(service_par, "en")

    print(S_provider)

    # opencage is for to view the location.

    from opencage.geocoder import OpenCageGeocode

    key = "7098ec840cb24aa9a5c38cce49fb3b81"

    geocoder = OpenCageGeocode(key)
    query = str(location)
    result = geocoder.geocode(query)

    #print(result)

    lat = result[0]['geometry']['lat']
    lng = result[0]['geometry']['lng']
    print(lat, lng)

    ####

    mymap = folium.Map(location=[lat, lng], zoom_start=9)

    folium.Marker([lat, lng], popup=location).add_to(mymap)

    mymap.save("mylocation.html")

webbrowser.open_new_tab("mylocation.html")
```