# Project Development Phase Sprint-1

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| Date | 3 November 22 |
| Team ID | PNT2022TMID07818 |
| Project Name | IoT based safety gadget for child safety monitoring and notification |
| Team Size | 4 |

**Source code for GPS Location Tracker:**

import json import pycountry

from tkinter import Tk, Label, Button, Entry

from phone\_iso3166.country import mobile\_country

class Location\_Tracker: def \_init\_(self, App): self.window = App

self.window.title("mobile number Tracker") self.window.geometry("500x400") self.window.configure(bg="#3f5efb") self.window.resizable(False, False)

# Application menu

Label(App, text="Enter a phone number",fg="white", font=("Times", 20), bg="#3f5efb").place(x=150,y= 30)

self.mobile\_number = Entry(App, width=16,

font=("Arial", 15), relief="flat")

self.track\_button = Button(App, text="Track Country", bg="#22c1c3", relief="sunken")

self.country\_label = Label(App,fg="white",

font=("Times", 20), bg="#3f5efb")

# Place widgets on the window self.mobile\_number.place(x=170, y=120) self.track\_button.place(x=200, y=200) self.country\_label.place(x=100, y=280)

# Linking button with countries self.track\_button.bind("<Button-1>", self.Track\_location) #255757294146

def Track\_location(self,event): mobile\_number = self.mobile\_number.get() country = "Unknown Country"

if mobile\_number:

tracked =

pycountry.countries.get(alpha\_2=phone\_country(mobile\_number)) print(tracked)

if tracked:

if hasattr(tracked, "official\_name"): country = tracked.official\_name

else:

country = tracked.name self.country\_label.configure(text=country)

MobileTracker = Thk()

MyApp = Location\_Tracker(mobileTracker) MobileTracker.mainloop()

# Output:

