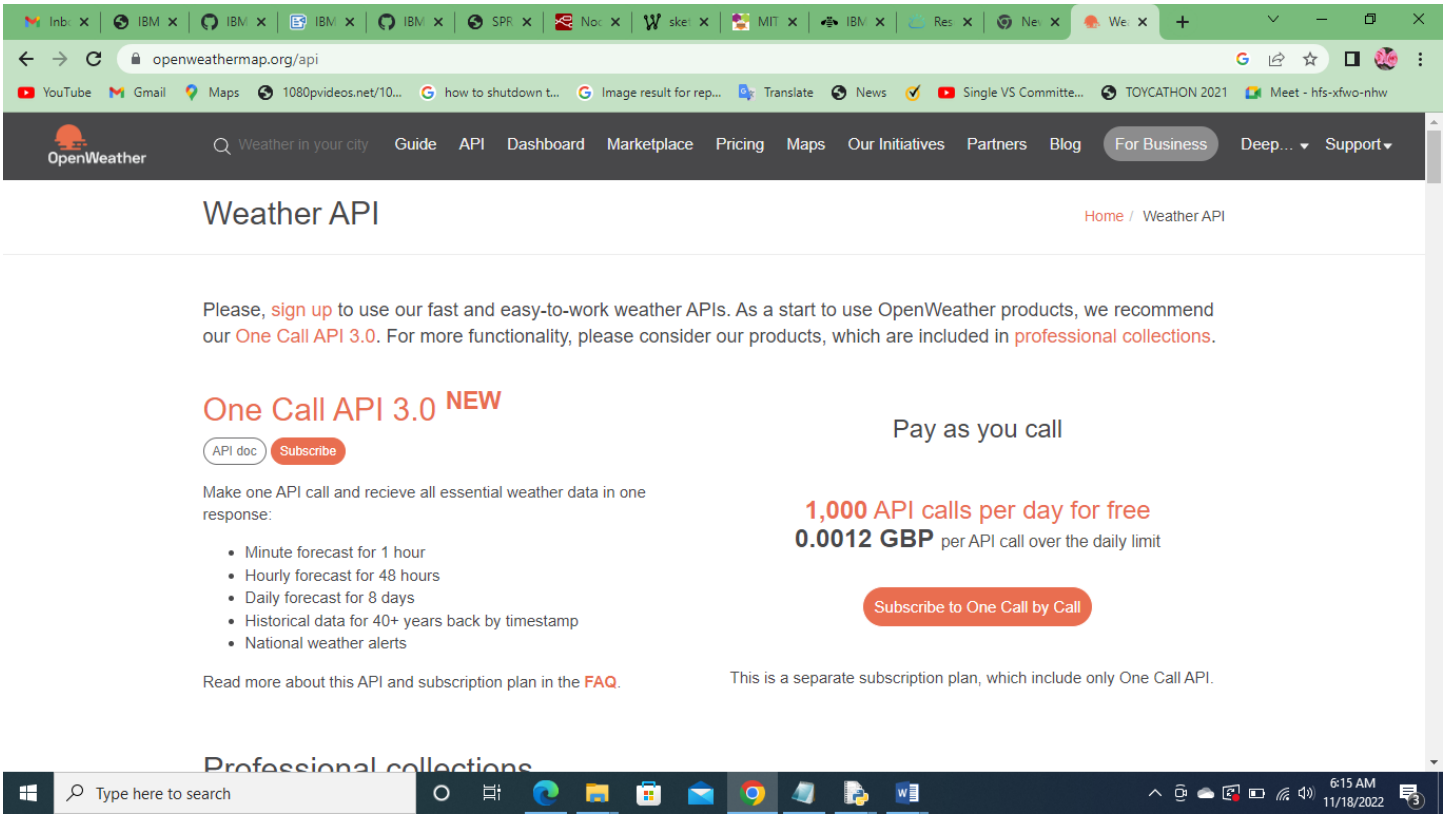
SPRINT - 01

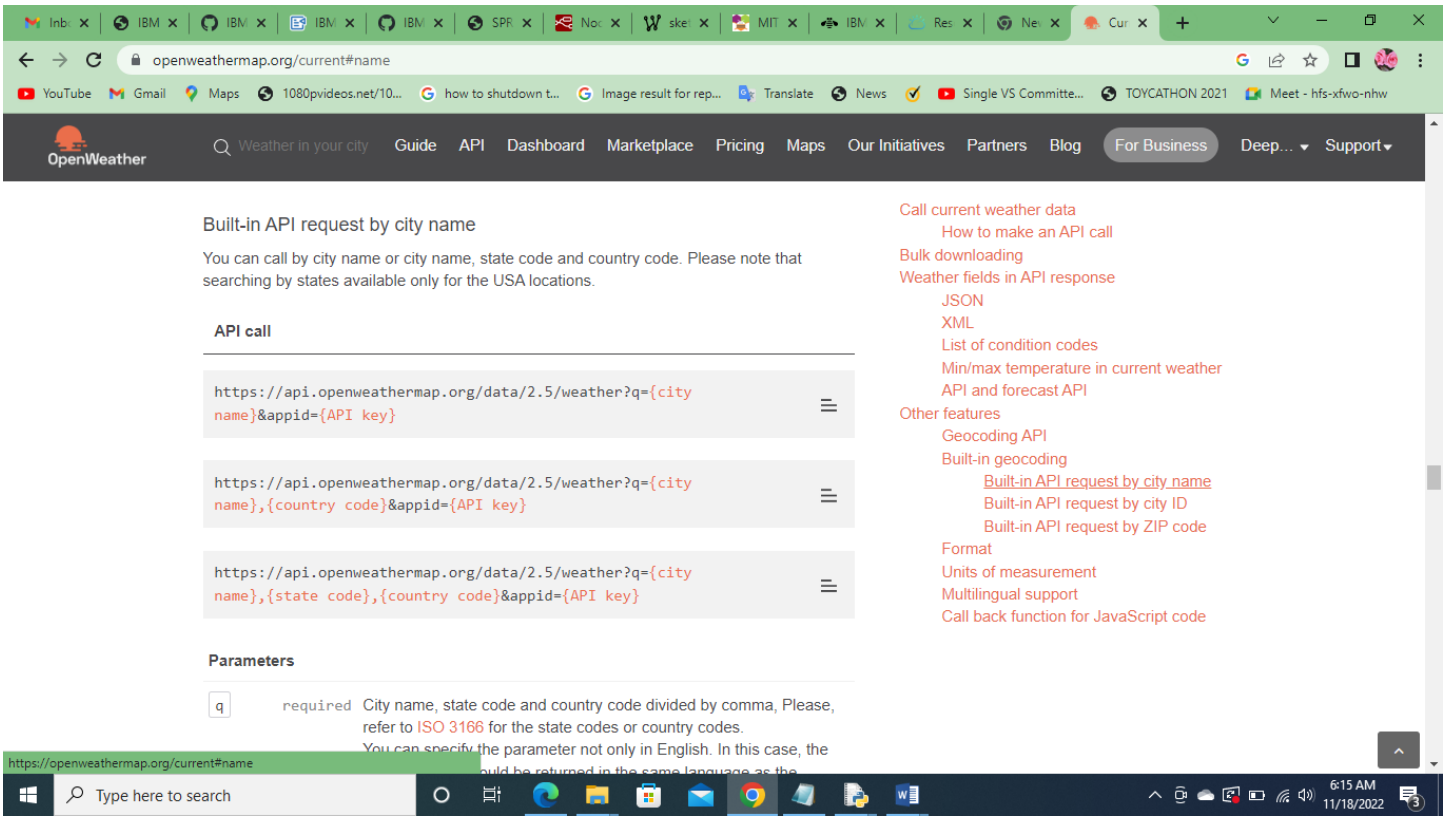
Date :	30 October 2022
Team ID :	PNT2022TMID37707
Project Name	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

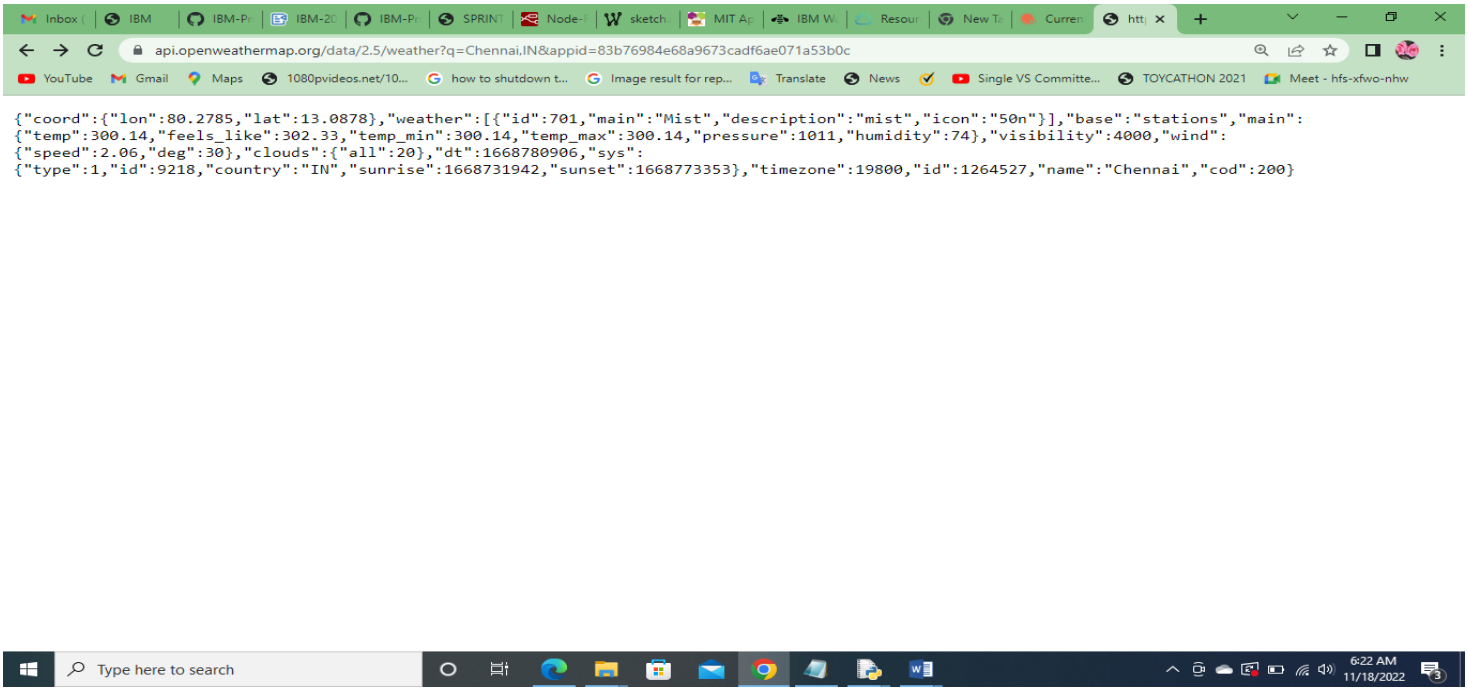
SPRINT GOALS:

1. Create and initialize accounts in various public APIs like Open Weather API.

2. Write a Python program that outputs results given the inputs like weather and location.




openweathermap.org/current#name
OpenWeather
Weather in your city
Guide
API
Dashboard
Marketplace
Pricing
Maps
Our Initiatives
Partners
Blog
For Business
Deep...
Support
Built-in API request by city name
You can call by city name or city name, state code and country code. Please note that searching by states available only for the USA locations.
API call
https://api.openweathermap.org/data/2.5/weather?q={city name}&appid={API key}
https://api.openweathermap.org/data/2.5/weather?q={city name},{country code}&appid={API key}
https://api.openweathermap.org/data/2.5/weather?q={city name},{state code},{country code}&appid={API key}
Parameters
q
required
City name, state code and country code divided by comma, Please, refer to ISO 3166 for the state codes or country codes.
You can specify the parameter not only in English. In this case, the
Call current weather data
How to make an API call
Bulk downloading
Weather fields in API response
JSON
XML
List of condition codes
Min/max temperature in current weather
API and forecast API
Other features
Geocoding API
Built-in geocoding
Built-in API request by city name
Built-in API request by city ID
Built-in API request by ZIP code
Format
Units of measurement
Multilingual support
Call back function for JavaScript code
https://openweathermap.org/current#name
Type here to search
6:15 AM
11/18/2022


api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=83b76984e68a9673cadf6ae071a53b0c
{"coord":{"lon":80.2785,"lat":13.0878},"weather":[{"id":701,"main":"Mist","description":"mist","icon":"50n"}],"base":"stations","main":
{"temp":300.14,"feels_like":302.33,"temp_min":300.14,"temp_max":300.14,"pressure":1011,"humidity":74},"visibility":4000,"wind":
{"speed":2.06,"deg":30},"clouds":{"all":20},"dt":1668780906,"sys":
{"type":1,"id":9218,"country":"IN","sunrise":1668731942,"sunset":1668773353},"timezone":19800,"id":1264527,"name":"Chennai","cod":200}
Type here to search
6:22 AM
11/18/2022

CHENNAI – WEATHER API

{"coord":{"lon":80.2785,"lat":13.0878},"weather":[{"id":701,"main":"Mist","description":"mist","icon":"50n"}],"base":"stations","main":{"temp":300.14,"feels_like":302.33,"temp_min":300.14,"temp_max":300.14,"pressure":1011,"humidity":74},"visibility":4000,"wind":{"speed":2.06,"deg":30},"clouds":{"all":20},"dt":1668780906,"sys":{"type":1,"id":9218,"country":"IN","sunrise":1668731942,"sunset":1668773353},"timezone":19800,"id":1264527,"name":"Chennai","cod":200}

SPRINT 01

https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=83b76984e68a9673cadf6ae071a53b0c

PYTHON CODE

```
import requests
api_data =
"https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=83b76984e68a9673cadf6ae071a53b0
c"
rec=requests.get(url=api_data)
data= rec.json()
print(data)
temp = data['main']['temp']
print("\nTemperature is : ", temp)
humidity = data['main']['humidity']
print("Humidity is : ", humidity)
```

// This code execution will be done in sprint 02

Thank you