**3rd Party API’s used in the weather app**

**Note : -**

All the API used in the app is open source. Please note that api some times gives incorrect data of weather for a location so it is not realiable.

To get the weather data we have used two API’s from - <https://openweathermap.org/current>

**By city name**

Description:

You can call by city name or city name and country code. API responds with a list of results that match a searching word.

API call:

api.openweathermap.org/data/2.5/weather?q={city name}

**By geographic coordinates**

Parameters:

**lat, lon** coordinates of the location of your interest

API call:

api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}

Parameters:

lat, lon coordinates of the location of your interest

Examples of API calls:

api.openweathermap.org/data/2.5/weather?lat=35&lon=139

API Response

{"coord": { "lon": 139,"lat": 35},

"weather": [

{

"id": 800,

"main": "Clear",

"description": "clear sky",

"icon": "01n"

}

],

"base": "stations",

"main": {

"temp": 289.92,

"pressure": 1009,

"humidity": 92,

"temp\_min": 288.71,

"temp\_max": 290.93

},

"wind": {

"speed": 0.47,

"deg": 107.538

},

"clouds": {

"all": 2

},

"dt": 1560350192,

"sys": {

"type": 3,

"id": 2019346,

"message": 0.0065,

"country": "JP",

"sunrise": 1560281377,

"sunset": 1560333478

},

"timezone": 32400,

"id": 1851632,

"name": "Shuzenji",

"cod": 200

}

To get the Search data we have used an API’s from

This api give suggested city names

[http://autocomplete.travelpayouts.com/places2?term=Lonen&types[]=city](http://autocomplete.travelpayouts.com/places2?term=Lonen&types%5b%5d=city)