**Use Postman to Experiment with the Open Weather Map API**

To get a Weather Map Icon type the URL:

http://openweathermap.org/img/w/01n.png

**Get Current Weather Data**

The endpoint is:

**HTTP Method:** GET

**URL:**http://api.openweathermap.org/data/2.5/weather?zip=94040&units=imperial&appid=2edab6a0f184684dcb1781c444a78c22

**Request Body:** None

**Response Body:**

{

    "coord": {

        "lon": -122.088,

        "lat": 37.3855

    },

    "weather": [

        {

            "id": 801,

            "main": "Clouds",

            "description": "few clouds",

            "icon": "02d"

        }

    ],

    "base": "stations",

    "main": {

        "temp": 83.23,

        "feels\_like": 82.27,

        "temp\_min": 75,

        "temp\_max": 91,

        "pressure": 1011,

        "humidity": 38

    },

    "visibility": 10000,

    "wind": {

        "speed": 11.5,

        "deg": 320

    },

    "clouds": {

        "all": 20

    },

    "dt": 1620775224,

    "sys": {

        "type": 1,

        "id": 5845,

        "country": "US",

        "sunrise": 1620738158,

        "sunset": 1620788813

    },

    "timezone": -25200,

    "id": 0,

    "name": "Mountain View",

    "cod": 200

}

**Get 5 Day/3 Hour Forecast**

The endpoint is:

**HTTP Method:** GET

**URL:**http://api.openweathermap.org/data/2.5/forecast?zip=94040&units=imperial&appid=2edab6a0f184684dcb1781c444a78c22

**Request Body:** None

**Response Body:**

{

    "cod": "200",

    "message": 0,

    "cnt": 40,

    "list": [

        {

            "dt": 1620777600,

            "main": {

                "temp": 83.68,

                "feels\_like": 82.69,

                "temp\_min": 81.97,

                "temp\_max": 83.68,

                "pressure": 1011,

                "sea\_level": 1011,

                "grnd\_level": 1007,

                "humidity": 38,

                "temp\_kf": 0.95

            },

            "weather": [

                {

                    "id": 801,

                    "main": "Clouds",

                    "description": "few clouds",

                    "icon": "02d"

                }

            ],

            "clouds": {

                "all": 20

            },

            "wind": {

                "speed": 6.55,

                "deg": 297,

                "gust": 7.36

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-12 00:00:00"

        },

        {

            "dt": 1620788400,

            "main": {

                "temp": 78.03,

                "feels\_like": 77.41,

                "temp\_min": 66.72,

                "temp\_max": 78.03,

                "pressure": 1011,

                "sea\_level": 1011,

                "grnd\_level": 1008,

                "humidity": 40,

                "temp\_kf": 6.28

            },

            "weather": [

                {

                    "id": 801,

                    "main": "Clouds",

                    "description": "few clouds",

                    "icon": "02d"

                }

            ],

            "clouds": {

                "all": 13

            },

            "wind": {

                "speed": 4.21,

                "deg": 293,

                "gust": 6.15

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-12 03:00:00"

        },

        {

            "dt": 1620799200,

            "main": {

                "temp": 68.25,

                "feels\_like": 66.94,

                "temp\_min": 60.55,

                "temp\_max": 68.25,

                "pressure": 1012,

                "sea\_level": 1012,

                "grnd\_level": 1009,

                "humidity": 46,

                "temp\_kf": 4.28

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01n"

                }

            ],

            "clouds": {

                "all": 7

            },

            "wind": {

                "speed": 1.25,

                "deg": 233,

                "gust": 2.26

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "n"

            },

            "dt\_txt": "2021-05-12 06:00:00"

        },

        {

            "dt": 1620810000,

            "main": {

                "temp": 58.51,

                "feels\_like": 56.37,

                "temp\_min": 58.51,

                "temp\_max": 58.51,

                "pressure": 1013,

                "sea\_level": 1013,

                "grnd\_level": 1009,

                "humidity": 49,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01n"

                }

            ],

            "clouds": {

                "all": 0

            },

            "wind": {

                "speed": 1.59,

                "deg": 233,

                "gust": 2.24

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "n"

            },

            "dt\_txt": "2021-05-12 09:00:00"

        },

        {

            "dt": 1620820800,

            "main": {

                "temp": 56.7,

                "feels\_like": 54.41,

                "temp\_min": 56.7,

                "temp\_max": 56.7,

                "pressure": 1013,

                "sea\_level": 1013,

                "grnd\_level": 1010,

                "humidity": 50,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01n"

                }

            ],

            "clouds": {

                "all": 0

            },

            "wind": {

                "speed": 2.04,

                "deg": 186,

                "gust": 2.51

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "n"

            },

            "dt\_txt": "2021-05-12 12:00:00"

        },

        {

            "dt": 1620831600,

            "main": {

                "temp": 64.26,

                "feels\_like": 62.26,

                "temp\_min": 64.26,

                "temp\_max": 64.26,

                "pressure": 1015,

                "sea\_level": 1015,

                "grnd\_level": 1011,

                "humidity": 40,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 0

            },

            "wind": {

                "speed": 1.39,

                "deg": 227,

                "gust": 2.66

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-12 15:00:00"

        },

        {

            "dt": 1620842400,

            "main": {

                "temp": 78.19,

                "feels\_like": 76.87,

                "temp\_min": 78.19,

                "temp\_max": 78.19,

                "pressure": 1015,

                "sea\_level": 1015,

                "grnd\_level": 1011,

                "humidity": 25,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 0

            },

            "wind": {

                "speed": 2.95,

                "deg": 288,

                "gust": 5.06

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-12 18:00:00"

        },

        {

            "dt": 1620853200,

            "main": {

                "temp": 83.7,

                "feels\_like": 81.16,

                "temp\_min": 83.7,

                "temp\_max": 83.7,

                "pressure": 1014,

                "sea\_level": 1014,

                "grnd\_level": 1010,

                "humidity": 22,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 0

            },

            "wind": {

                "speed": 4.85,

                "deg": 288,

                "gust": 7.34

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-12 21:00:00"

        },

        {

            "dt": 1620864000,

            "main": {

                "temp": 79.23,

                "feels\_like": 79.23,

                "temp\_min": 79.23,

                "temp\_max": 79.23,

                "pressure": 1014,

                "sea\_level": 1014,

                "grnd\_level": 1010,

                "humidity": 28,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 0

            },

            "wind": {

                "speed": 5.97,

                "deg": 288,

                "gust": 8.08

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-13 00:00:00"

        },

        {

            "dt": 1620874800,

            "main": {

                "temp": 64.65,

                "feels\_like": 63.27,

                "temp\_min": 64.65,

                "temp\_max": 64.65,

                "pressure": 1015,

                "sea\_level": 1015,

                "grnd\_level": 1011,

                "humidity": 52,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 3

            },

            "wind": {

                "speed": 3,

                "deg": 292,

                "gust": 4.99

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-13 03:00:00"

        },

        {

            "dt": 1620885600,

            "main": {

                "temp": 58.86,

                "feels\_like": 57.13,

                "temp\_min": 58.86,

                "temp\_max": 58.86,

                "pressure": 1016,

                "sea\_level": 1016,

                "grnd\_level": 1012,

                "humidity": 57,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01n"

                }

            ],

            "clouds": {

                "all": 7

            },

            "wind": {

                "speed": 1.63,

                "deg": 227,

                "gust": 2.8

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "n"

            },

            "dt\_txt": "2021-05-13 06:00:00"

        },

        {

            "dt": 1620896400,

            "main": {

                "temp": 56.93,

                "feels\_like": 54.86,

                "temp\_min": 56.93,

                "temp\_max": 56.93,

                "pressure": 1016,

                "sea\_level": 1016,

                "grnd\_level": 1012,

                "humidity": 54,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01n"

                }

            ],

            "clouds": {

                "all": 5

            },

            "wind": {

                "speed": 1.3,

                "deg": 228,

                "gust": 2.35

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "n"

            },

            "dt\_txt": "2021-05-13 09:00:00"

        },

        {

            "dt": 1620907200,

            "main": {

                "temp": 55.13,

                "feels\_like": 52.93,

                "temp\_min": 55.13,

                "temp\_max": 55.13,

                "pressure": 1016,

                "sea\_level": 1016,

                "grnd\_level": 1012,

                "humidity": 55,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 801,

                    "main": "Clouds",

                    "description": "few clouds",

                    "icon": "02n"

                }

            ],

            "clouds": {

                "all": 21

            },

            "wind": {

                "speed": 1.03,

                "deg": 227,

                "gust": 1.86

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "n"

            },

            "dt\_txt": "2021-05-13 12:00:00"

        },

        {

            "dt": 1620918000,

            "main": {

                "temp": 63.05,

                "feels\_like": 61.07,

                "temp\_min": 63.05,

                "temp\_max": 63.05,

                "pressure": 1016,

                "sea\_level": 1016,

                "grnd\_level": 1013,

                "humidity": 43,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 802,

                    "main": "Clouds",

                    "description": "scattered clouds",

                    "icon": "03d"

                }

            ],

            "clouds": {

                "all": 35

            },

            "wind": {

                "speed": 1.21,

                "deg": 252,

                "gust": 2.13

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-13 15:00:00"

        },

        {

            "dt": 1620928800,

            "main": {

                "temp": 77.47,

                "feels\_like": 76.14,

                "temp\_min": 77.47,

                "temp\_max": 77.47,

                "pressure": 1016,

                "sea\_level": 1016,

                "grnd\_level": 1012,

                "humidity": 26,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 802,

                    "main": "Clouds",

                    "description": "scattered clouds",

                    "icon": "03d"

                }

            ],

            "clouds": {

                "all": 30

            },

            "wind": {

                "speed": 2.91,

                "deg": 299,

                "gust": 3.87

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-13 18:00:00"

        },

        {

            "dt": 1620939600,

            "main": {

                "temp": 81.77,

                "feels\_like": 80.04,

                "temp\_min": 81.77,

                "temp\_max": 81.77,

                "pressure": 1015,

                "sea\_level": 1015,

                "grnd\_level": 1011,

                "humidity": 26,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 801,

                    "main": "Clouds",

                    "description": "few clouds",

                    "icon": "02d"

                }

            ],

            "clouds": {

                "all": 16

            },

            "wind": {

                "speed": 6.42,

                "deg": 301,

                "gust": 7.85

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-13 21:00:00"

        },

        {

            "dt": 1620950400,

            "main": {

                "temp": 78.21,

                "feels\_like": 77.09,

                "temp\_min": 78.21,

                "temp\_max": 78.21,

                "pressure": 1014,

                "sea\_level": 1014,

                "grnd\_level": 1010,

                "humidity": 29,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 10

            },

            "wind": {

                "speed": 7,

                "deg": 300,

                "gust": 7.58

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-14 00:00:00"

        },

        {

            "dt": 1620961200,

            "main": {

                "temp": 62.19,

                "feels\_like": 60.78,

                "temp\_min": 62.19,

                "temp\_max": 62.19,

                "pressure": 1015,

                "sea\_level": 1015,

                "grnd\_level": 1011,

                "humidity": 57,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 800,

                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

                "all": 4

            },

            "wind": {

                "speed": 5.32,

                "deg": 297,

                "gust": 6.49

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

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                "pressure": 1015,

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                "humidity": 70,

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            ],

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            },

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                "speed": 2.46,

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                "sea\_level": 1012,

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                "deg": 224,

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            "wind": {

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                "deg": 203,

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                "temp\_max": 53.53,

                "pressure": 1012,

                "sea\_level": 1012,

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                    "icon": "04d"

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            "wind": {

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                "deg": 189,

                "gust": 5.3

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                "temp\_max": 65.21,

                "pressure": 1012,

                "sea\_level": 1012,

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            "wind": {

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                "deg": 225,

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            },

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        {

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                "feels\_like": 69.26,

                "temp\_min": 70.41,

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                "sea\_level": 1010,

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                "deg": 293,

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            "clouds": {

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                "deg": 290,

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        {

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                "humidity": 73,

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                    "icon": "01d"

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            ],

            "clouds": {

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            "wind": {

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                "deg": 265,

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        {

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                "sea\_level": 1012,

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                "humidity": 83,

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            "weather": [

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                    "icon": "02n"

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            ],

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            "wind": {

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                "deg": 220,

                "gust": 3.18

            },

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                "pressure": 1011,

                "sea\_level": 1011,

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                "humidity": 85,

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                    "icon": "03n"

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            "wind": {

                "speed": 3.38,

                "deg": 206,

                "gust": 4.92

            },

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                "pressure": 1012,

                "sea\_level": 1012,

                "grnd\_level": 1009,

                "humidity": 87,

                "temp\_kf": 0

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                    "icon": "03n"

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            },

            "wind": {

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                "deg": 189,

                "gust": 6.04

            },

            "visibility": 10000,

            "pop": 0,

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        },

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                "temp\_min": 54.34,

                "temp\_max": 54.34,

                "pressure": 1013,

                "sea\_level": 1013,

                "grnd\_level": 1010,

                "humidity": 79,

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                    "description": "scattered clouds",

                    "icon": "03d"

                }

            ],

            "clouds": {

                "all": 44

            },

            "wind": {

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                "deg": 193,

                "gust": 6.2

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-16 15:00:00"

        },

        {

            "dt": 1621188000,

            "main": {

                "temp": 66.63,

                "feels\_like": 65.39,

                "temp\_min": 66.63,

                "temp\_max": 66.63,

                "pressure": 1013,

                "sea\_level": 1013,

                "grnd\_level": 1010,

                "humidity": 51,

                "temp\_kf": 0

            },

            "weather": [

                {

                    "id": 802,

                    "main": "Clouds",

                    "description": "scattered clouds",

                    "icon": "03d"

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            ],

            "clouds": {

                "all": 34

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            "wind": {

                "speed": 3.4,

                "deg": 232,

                "gust": 4.09

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            "visibility": 10000,

            "pop": 0,

            "sys": {

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            },

            "dt\_txt": "2021-05-16 18:00:00"

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            "dt": 1621198800,

            "main": {

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                "feels\_like": 72.91,

                "temp\_min": 73.9,

                "temp\_max": 73.9,

                "pressure": 1012,

                "sea\_level": 1012,

                "grnd\_level": 1009,

                "humidity": 41,

                "temp\_kf": 0

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            "weather": [

                {

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                    "main": "Clear",

                    "description": "clear sky",

                    "icon": "01d"

                }

            ],

            "clouds": {

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                "deg": 283,

                "gust": 6.13

            },

            "visibility": 10000,

            "pop": 0,

            "sys": {

                "pod": "d"

            },

            "dt\_txt": "2021-05-16 21:00:00"

        }

    ],

    "city": {

        "id": 0,

        "name": "Mountain View",

        "coord": {

            "lat": 37.3855,

            "lon": -122.088

        },

        "country": "US",

        "population": 0,

        "timezone": -25200,

        "sunrise": 1620738158,

        "sunset": 1620788813

    }

}

**Step 1: Create a UI**