

Script.js

```
/* Fetching Data from OpenWeatherMap API */

let weather = {

  apiKey: "aba6ff9d6de967d5eac6fd79114693cc",

  fetchWeather: function (city) {

    fetch(

      "https://api.openweathermap.org/data/2.5/weather?q=" +

        city +

        "&units=metric&appid=" +

        this.apiKey

    )

    .then((response) => {

      if (!response.ok) {

        alert("No weather found.");

        throw new Error("No weather found.");

      }

      return response.json();

    })

    .then((data) => this.displayWeather(data));

  },

  displayWeather: function (data) {

    const { name } = data;

    const { icon, description } = data.weather[0];

    const { temp, humidity } = data.main;
```



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const { speed } = data.wind;

document.querySelector(".city").innerText = "Weather in " + name;

document.querySelector(".icon").src =

    "https://openweathermap.org/img/wn/" + icon + ".png";

document.querySelector(".description").innerText = description;

document.querySelector(".temp").innerText = temp + "°C";

document.querySelector(".humidity").innerText =

    "Humidity: " + humidity + "%";

document.querySelector(".wind").innerText =

    "Wind speed: " + speed + " km/h";

document.querySelector(".weather").classList.remove("loading");

document.body.style.backgroundImage =

    "url('https://source.unsplash.com/1600x900/?" + name + "')";

},

search: function () {

    this.fetchWeather(document.querySelector(".search-bar").value);

},

};

```

/ Fetching Data from OpenCageData Geocoder */*

```

let geocode = {

    reverseGeocode: function (latitude, longitude) {

        var apiKey = "90a096f90b3e4715b6f2e536d934c5af";

        var api_url = "https://api.opencagedata.com/geocode/v1/json";
    }
}

```



```

var request_url =

    api_url +

    "?" +

    "key=" +

    apikey +

    "&q=" +

    encodeURIComponent(latitude + "," + longitude) +

    "&pretty=1" +

    "&no_annotations=1";

var request = new XMLHttpRequest();

request.open("GET", request_url, true);

request.onload = function () {

    if (request.status == 200) {

        var data = JSON.parse(request.responseText);

        weather.fetchWeather(data.results[0].components.city);

        console.log(data.results[0].components.city)

    } else if (request.status <= 500) {

        console.log("unable to geocode! Response code: " + request.status);

        var data = JSON.parse(request.responseText);

        console.log("error msg: " + data.status.message);
    }
}

```



```

    } else {
        console.log("server error");
    }
};

request.onerror = function () {
    console.log("unable to connect to server");
};

request.send();
},
getLocation: function() {
    function success (data) {
        geocode.reverseGeocode(data.coords.latitude, data.coords.longitude);
    }
    if (navigator.geolocation) {
        navigator.geolocation.getCurrentPosition(success, console.error);
    }
    else {
        weather.fetchWeather("Manipal");
    }
}
};

document.querySelector(".search button").addEventListener("click", function () {

```



```
weather.search();  
});
```

```
document  
  
.querySelector(".search-bar")  
  
.addEventListener("keyup", function (event) {  
    if (event.key == "Enter") {  
        weather.search();  
    }  
});
```

```
weather.fetchWeather("Manipal");
```

```
document  
  
.querySelector(".search-bar")  
  
.addEventListener("keyup", function (event) {  
    if (event.key == "Enter") {  
        weather.search();  
    }  
});
```

```
geocode.getLocation();
```

