

■■ Weather App Project (HTML + CSS + JavaScript)

This is a simple Weather App project using HTML, CSS, and JavaScript. It allows users to search weather information for a city using the OpenWeatherMap API.

■ Project Structure

```
weather-app/  
  ■■■ index.html  
  ■■■ style.css  
  ■■■ script.js
```

■ index.html

```
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>Weather App</title>  
    <link rel="stylesheet" href="style.css">  
  </head>  
  <body>  
    <div class="container">  
      <h1>■■ Weather App</h1>  
      <div class="search-box">  
        <input type="text" id="cityInput" placeholder="Enter city name...">  
        <button onclick="getWeather()">Search</button>  
      </div>  
      <div id="weatherResult" class="weather-box"></div>  
    </div>  
    <script src="script.js"></script>  
  </body>  
</html>
```

■ style.css

```
body {  
  font-family: Arial, sans-serif;  
  background: linear-gradient(120deg, #89f7fe, #66a6ff);  
  height: 100vh;  
  display: flex;  
  justify-content: center;  
  align-items: center;  
}  
.container {  
  background: white;  
  padding: 20px;  
  border-radius: 12px;  
  box-shadow: 0 5px 15px rgba(0,0,0,0.2);  
  width: 350px;  
  text-align: center;  
}  
h1 {  
  margin-bottom: 20px;  
  color: #333;  
}  
.search-box {  
  display: flex;  
  margin-bottom: 15px;  
}  
input {  
  flex: 1;
```

```

padding: 10px;
border: 2px solid #ddd;
border-radius: 8px;
outline: none;
}
button {
margin-left: 10px;
padding: 10px 15px;
background: #0077ff;
color: white;
border: none;
border-radius: 8px;
cursor: pointer;
}
button:hover {
background: #005fd1;
}
.weather-box {
margin-top: 20px;
}
.weather-box img {
width: 80px;
}

```

■■ script.js

```

async function getWeather() {
const city = document.getElementById("cityInput").value.trim();
const apiKey = "YOUR_API_KEY"; // Add your OpenWeatherMap API key here
const resultDiv = document.getElementById("weatherResult");

if (city === "") {
alert("Please enter a city name!");
return;
}

try {
const response = await fetch(
`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`
);

if (!response.ok) {
throw new Error("City not found");
}

const data = await response.json();

resultDiv.innerHTML = `
<h2>${data.name}, ${data.sys.country}</h2>
<p><strong>■■ Temperature:</strong> ${data.main.temp}°C</p>
<p><strong>■■ Condition:</strong> ${data.weather[0].description}</p>

`;
} catch (error) {
resultDiv.innerHTML = `<p style="color:red;">${error.message}</p>`;
}
}

```

■ Steps to Run

1. Go to OpenWeatherMap.org and create a free account to get an API key. 2. Replace "YOUR_API_KEY" in script.js with your own API key. 3. Open index.html in your browser to run the project.