

```
<!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>
  <style>
    body {
      font-family: Arial, sans-serif;
      background: #87ceeb;
      margin: 0;
      padding: 0;
      display: flex;
      flex-direction: column;
      align-items: center;
    }

    .container {
      margin-top: 50px;
      background: white;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0,0,0,0.1);
      width: 300px;
      text-align: center;
    }

    input[type="text"] {
      padding: 10px;
      width: 80%;
      border: 1px solid #ccc;
      border-radius: 5px;
    }

    button {
      padding: 10px 15px;
      margin-top: 10px;
      border: none;
      background-color: #4CAF50;
      color: white;
      border-radius: 5px;
      cursor: pointer;
    }

    button:hover {
      background-color: #45a049;
    }
  </style>
</head>
<body>
  <div class="container">
    <input type="text" />
    <button>Get Weather</button>
  </div>
</body>
</html>
```

```

.weather {
  margin-top: 20px;
}

.temp {
  font-size: 2em;
}
</style>
</head>
<body>
  <div class="container">
    <h2>Weather App</h2>
    <input type="text" id="cityInput" placeholder="Enter city name" />
    <button onclick="getWeather()">Get Weather</button>
    <div class="weather" id="weatherDisplay">
      <!-- Weather info will appear here -->
    </div>
  </div>

  <script>
    const apiKey = 'YOUR_API_KEY'; // Replace with your OpenWeatherMap API key

    function getWeather() {
      const city = document.getElementById('cityInput').value;
      if (!city) {
        alert('Please enter a city name');
        return;
      }

      fetch(https://api.openweathermap.org/data/2.5/weather?q=${city}&units=metric&appid=
${apiKey})
        .then(response => {
          if (!response.ok) {
            throw new Error('City not found');
          }
          return response.json();
        })
        .then(data => {
          displayWeather(data);
        })
        .catch(error => {
          document.getElementById('weatherDisplay').innerHTML = <p>${error.message}</p>;
        });
    }

    function displayWeather(data) {
      const { name } = data;
      const { temp } = data.main;

```

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const { description } = data.weather[0];
const icon = data.weather[0].icon;
const weatherHTML = `
  <h3>${name}</h3>
  
  <p class="temp">${temp} &deg;C</p>
  <p>${description}</p>
`;
document.getElementById('weatherDisplay').innerHTML = weatherHTML;
}
</script>
</body>
</html>
```