# Weather App

- HTML code:

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <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>
      <form>
        <input type="text" id="city-input" placeholder="Enter City" />
        <input type="submit" value="Get Weather" />
      </form>
      <div id="weather-data">
        <div class="icon">
          <!-- <img src="http://openweathermap.org/img/wn/01d.png" alt="Weather Icon"> -->
        </div>
        <div class="temperature"></div>
        <div class="description"></div>
        <div class="details">
          <!-- <div>Feels like: 23°C</div>
                <div>Humidity: 40%</div>
                <div>Wind speed: 5 m/s</div> -->
        </div>
      </div>
    </div>
    <script src="index.js"></script>
  </body>
</html>
```

- CSS Style:

```css
body {
  margin: 0;
  font-family: "Montserrat", sans-serif;
  background-color: #f7f7f7;
}

.container {
  background-color: #fff;
  box-shadow: 0 0 20px rgba(0, 0, 0, 0.2);
  margin: 0 auto;
  margin-top: 50px;
  text-align: center;
  max-width: 600px;
  border-radius: 5px;
  padding: 20px;
}

form {
  display: flex;
  justify-content: center;
  align-items: center;
  margin-bottom: 20px;
}

form input[type="text"] {
  padding: 10px;
  border: none;
  outline: none;
  font-size: 18px;
  width: 60%;
}

form input[type="submit"] {
  background-color: #007bff;
  color: #fff;
  border: none;
  padding: 10px 20px;
  border-radius: 5px;
  font-size: 18px;
  cursor: pointer;
  outline: none;
  transition: background-color 0.3s ease;
}

form input[type="submit"]:hover {
  background-color: #0062cc;
}

```

```
.icon img {
  width: 100px;
  height: 100px;
  background-size: contain;
  background-repeat: no-repeat;
  background-position: center center;
}

.temperature {
  font-size: 48px;
  font-weight: bold;
  margin: 20px 0;
}

.description{
    font-size: 24px;
    margin-bottom: 20px;
}

.details{
    display: flex;
    justify-content: center;
    align-items: center;
    flex-wrap: wrap;
}

.details > div{
    padding: 20px;
    background-color: #f1f1f1;
    margin: 10px;
    flex: 1;
    border-radius: 5px;
    text-align: center;
    min-height: 45px;
}

@media (max-width: 768px){
    form {
        flex-direction: column;
    }

    form input[type="text"]{
        width: 100%;
        margin-bottom: 10px;
    }
}
```

- JavaScript code:

```
const apikey = "46f80a02ecae410460d59960ded6e1c6";

const weatherDataEl = document.getElementById("weather-data");

const cityInputEl = document.getElementById("city-input");

const formEl = document.querySelector("form");

formEl.addEventListener("submit", (event) => {
  event.preventDefault();
  const cityValue = cityInputEl.value;
  getWeatherData(cityValue);
});

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

    if (!response.ok) {
      throw new Error("Network response was not ok");
    }

    const data = await response.json();

    const temperature = Math.round(data.main.temp);

    const description = data.weather[0].description;

    const icon = data.weather[0].icon;

    const details = [
      `Feels like: ${Math.round(data.main.feels_like)}`,
      `Humidity: ${data.main.humidity}%`,
      `Wind speed: ${data.wind.speed} m/s`,
    ];

    weatherDataEl.querySelector(
      ".icon"
    ).innerHTML = `<img src="http://openweathermap.org/img/wn/${icon}.png" alt="Weather Icon">`;
    weatherDataEl.querySelector(
      ".temperature"
    ).textContent = `${temperature}°C`;
    weatherDataEl.querySelector(".description").textContent = description;

    weatherDataEl.querySelector(".details").innerHTML = details
      .map((detail) => `<div>${detail}</div>`)
      .join("");
  } catch (error) {
    weatherDataEl.querySelector(".icon").innerHTML = "";
    weatherDataEl.querySelector(".temperature").textContent = "";
    weatherDataEl.querySelector(".description").textContent =
      "An error happened, please try again later";

    weatherDataEl.querySelector(".details").innerHTML = "";
  }
}
```