PROJECT

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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="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link
href="https://fonts.googleapis.com/css2?family=Open+Sans:ital@1&display=swap"
rel="stylesheet">
  <link rel="stylesheet" href="major app.css">
  <script src="major app.js" defer></script>
</head>

<body>
  <div class="card">
    <div class="search">
      <input type="text" class="search-bar" placeholder="Search">
      <button><svg stroke="currentColor" fill="currentColor" stroke-width="0"
viewBox="0 0 1024 1024" height="1.5em"
          width="1.5em" xmlns="http://www.w3.org/2000/svg">
          <path
            d="M909.6 854.5L649.9 594.8C690.2 542.7 712 479 712 412c0-80.2-
31.3-155.4-87.9-212.1-56.6-56.7-132-87.9-212.1-87.9s-155.5 31.3-212.1
87.9C143.2 256.5 112 331.8 112 412c0 80.1 31.3 155.5 87.9 212.1C256.5 680.8
331.8 712 412 712c67 0 130.6-21.8 182.7-62l259.7 259.6a8.2 8.2 0 0 0 11.6
0l43.6-43.5a8.2 8.2 0 0 0 0-11.6zM570.4 570.4C528 612.7 471.8 636 412 636s-
116-23.3-158.4-65.6C211.3 528 188 471.8 188 412s23.3-116.1 65.6-158.4C296
211.3 352.2 188 412 188s116.1 23.2 158.4 65.6S636 352.2 636 412s-23.3 116.1-
65.6 158.4z">
          </path>
        </svg></button>
    </div>
    <div class="weather loading">
      <h2 class="city">Weather in Denver</h2>
      <h1 class="temp">51°C</h1>
      <div class="flex">
```

```
        <img src="https://openweathermap.org/img/wn/04n.png" alt=""
class="icon" />
        <div class="description">Cloudy</div>
      </div>
      <div class="humidity">Humidity: 60%</div>
      <div class="wind">Wind speed: 6.2 km/h</div>
    </div>
  </div>
</body>

</html>
```

Css:

```
body {
    display: flex;
    justify-content: left;
    align-items:center;
    height: 100vh;
    margin: 0;
    font-family: 'Open Sans', sans-serif;;
    background: #22222274;
    background-image: url('https://source.unsplash.com/1600x900/?landscape');
    font-size: 120%;
  }

  .card {
    background: #000000ab;
    color: white;
    padding: 2em;
    border-radius: 30px;
    width: 100%;
    max-width: 420px;
    margin: 1em;
  }

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

  button {
    margin: 0.5em;
    border-radius: 50%;
    border: none;
```

```
  height: 44px;
  width: 44px;
  outline: none;
  background: #7c7c7c2b;
  color: white;
  cursor: pointer;
  transition: 0.2s ease-in-out;
}

input.search-bar {
  border: none;
  outline: none;
  padding: 0.4em 1em;
  border-radius: 24px;
  background: #7c7c7c2b;
  color: white;
  font-family: inherit;
  font-size: 105%;
  width: calc(100% - 100px);
}

button:hover {
  background: #7c7c7c6b;
}

h1.temp {
  margin: 0;
  margin-bottom: 0.4em;
}

.flex {
  display: flex;
  align-items: center;
}

.description {
  text-transform: capitalize;
  margin-left: 8px;
}

.weather.loading {
  visibility: hidden;
  max-height: 20px;
  position: relative;
}

.weather.loading:after {
  visibility: visible;
```

```
    content: "Loading...";
    color: white;
    position: absolute;
    top: 0;
    left: 20px;
  }
```

JAVASCRIPT

```
let weather = {
    apiKey: "32bbb642d7180849d4329123258b312c",
    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;
      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);
    },
  };

  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("Delhi");
```