```python
App.py
from flask import Flask, render_template, request
import requests


app = Flask(__name__)


API_KEY = "5f315e6583b9c250c7676ea21faa42b8"
BASE_URL = "https://api.openweathermap.org/data/2.5/weather"


@app.route("/", methods=["GET", "POST"])
def index():
    weather = None
    error = None
    if request.method == "POST":
        city = request.form.get("city")
        if city:
            params = {"q": city, "appid": API_KEY, "units": "metric"}
            response = requests.get(BASE_URL, params=params)
            if response.status_code == 200:
                data = response.json()
                weather = {
                    "City": data["name"],
                    "Temperature": data["main"]["temp"],
                    "Description": data["weather"][0]["description"],
                    "Humidity": data["main"]["humidity"],
                    "Wind Speed": data["wind"]["speed"],
                    "Icon": f"http://openweathermap.org/img/wn/{data['weather'][0]['icon']}@2x.png",
                }
            else:
                error = "City not found. Please try again."
        else:
```

```python
            error = "Please enter a city name."

    return render_template("index.html", weather=weather, error=error)


if __name__ == "__main__":
    app.run(debug=True)
```

index.html

```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 href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet">
    <link rel="stylesheet" href="{{ url_for('static', filename='css/styles.css') }}">
</head>
<body>
    <div class="container text-center my-5">
        <h1 class="mb-4">Weather App</h1>
        <form method="POST" class="form-inline mb-4">
            <div class="form-group">
                <input type="text" name="city" class="form-control" placeholder="Enter city name" required>
            </div>
            <button type="submit" class="btn btn-primary ml-2">Get Weather</button>
        </form>
        {% if weather %}
        <div class="card mx-auto" style="width: 18rem;">
            <img src="{{ weather.Icon }}" class="card-img-top" alt="Weather Icon">
            <div class="card-body">
                <h5 class="card-title">{{ weather.City }}</h5>
                <p class="card-text">
```

```html
                        <strong>Temperature:</strong> {{ weather.Temperature }}°C<br>

                        <strong>Description:</strong> {{ weather.Description }}<br>

                        <strong>Humidity:</strong> {{ weather.Humidity }}%<br>

                        <strong>Wind Speed:</strong> {{ weather["Wind Speed"] }} m/s

                    </p>

                </div>

            </div>

        {% elif error %}

        <div class="alert alert-danger" role="alert">

            {{ error }}

        </div>

        {% endif %}

    </div>

</body>

</html>
```

Style.css

```css
/* Center the form and card */

body {

    background: linear-gradient(to right, #6a11cb, #2575fc);

    color: #ffffff;

    font-family: Arial, sans-serif;

    height: 100vh;

    display: flex;

    justify-content: center;

    align-items: center;

    margin: 0;

}


/* Customize card appearance */

.card {
```

```css
    background-color: rgba(255, 255, 255, 0.1);

    border: none;

    border-radius: 15px;

    box-shadow: 0px 8px 20px rgba(0, 0, 0, 0.2);

}


/* Input and button styling */
.form-control {

    width: 300px;

    margin-right: 10px;

    border-radius: 5px;

}


.btn-primary {

    background-color: #007bff;

    border: none;

    border-radius: 5px;

    padding: 10px 20px;

}


.btn-primary:hover {

    background-color: #0056b3;

}


/* Alert styling */
.alert {

    width: 50%;

    margin: 20px auto;

}
```