***Report***

**Description:**

A web-based dashboard to display **real-time weather information** for any city worldwide using OpenWeatherMap API.

**Features:**

* Search weather by city
* Current temperature, humidity, wind speed, and weather condition
* Responsive design for mobile and desktop
* Error handling for invalid input

**Technologies Used:**

* **Frontend:** HTML, CSS, JavaScript
* **API:** OpenWeatherMap API
* **Deployment:** Netlify / Vercel

**Modules / Components:**

* **Search Component:** Enter city name and fetch weather
* **Weather Display Component:** Shows current weather metrics
* **Error Handling Component:** Alerts for invalid city