

Case Study 1: Web/App Development

GitHub Repository: <https://github.com/merceraFIRE/RetroWeather>

Live: <https://retroweather.onrender.com>

Demo Video: https://youtu.be/aE_EK937NVA

Retro Weather is a minimalist weather web application that

- Get weather by city or current GPS location
- Save/delete up to 5 locations
- Show temperature, humidity, wind, sunrise, sunset
- High wind alert system
- Responsive and visually styled with a retro-modern theme

Technology Stack

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** Flask (Python)
- **API:** OpenWeatherMap
- **Hosting:** Render.com

Assumptions

- User data is stored in a simple JSON file
- High wind alert triggered at >10 m/s
- No authentication used (not required)