**Case Study 1: Web/App Development**

**GitHub Repository:** <https://github.com/mercersFIRE/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)