

## Weather App Project

### Objective:

Create a responsive weather application using **only** vanilla HTML, CSS, and JavaScript that:

- Matches provided Figma design specifications
- Fetches real-time weather data from a public API
- Demonstrates proper DOM manipulation

### Requirements:

#### 1- HTML & CSS

- Semantic HTML5 markup
- Input search field for city search
- Loading state container
- Error message container
- Pixel-perfect match of Figma design
- Proper use of flexbox/grid
- Responsive on all devices (bonus)

#### 2- JavaScript

- OpenWeatherMap API integration or any other weather api
- Search functionality with form submission
- Dynamic content updates without page reload
- Error handling for:
  - Invalid city names
  - API errors
  - Network issues
- Unit conversion (°C/°F)
- Local storage for recent searches - (bonus)

### Grading:

- Design (40%): Exact match with Figma (spacing, colors, layout)
- Functionality (30%): All core features working, proper API integration, error handling
- Code Quality (20%)
- UX/Error Handling (10%)

**Deadline:** 3-5-2025

**Figma Design:** [LINK](#)