**Weather App User Instructions**

**Created by: Reuben Aby**

The Weather App is a simple web application that displays the current weather for a specified city in Celsius. Users enter a city name, and the app fetches real-time weather data using the OpenWeather API. If the city name is misspelled or invalid, the app displays an error message to guide the user. The app is built with HTML for structure, CSS for styling, and JavaScript for fetching and displaying weather data.

**Key Features**

* **Weather Display**: Shows the current temperature in Celsius, along with other weather details (e.g., description, humidity) for the entered city.
* **Error Handling**: Alerts the user if the city name is invalid or misspelled, preventing confusion.
* **Responsive Design**: Adapts to different screen sizes for use on desktops or mobile devices.

**Technologies Used**

* **HTML**: Creates the app’s interface, including an input field for the city name, a submit button, and an area to display weather details.
* **CSS**: Styles the app for a clean, user-friendly appearance, ensuring readability and responsiveness.
* **JavaScript**: Handles user input, makes API requests to OpenWeather, processes the response, and updates the display. It also manages error messages for invalid city names.

**User Instructions**

**Prerequisites**

* Open the app by double-clicking index.html in a web browser (e.g., Chrome, Firefox) or using a local server (e.g., VS Code’s Live Server extension).
* An internet connection is required to fetch weather data from the OpenWeather API.
* Ensure your browser allows API requests (disable strict ad-blockers if errors occur).

**How to Use the Weather App**

1. **Entering a City Name**
   * **Purpose**: Retrieve the current weather for a specific city.
   * **Steps**:
     1. Find the text box labeled something like “Enter city name” or “Search city.”
     2. Type the name of a city (e.g., “London” or “New York”).
     3. Click the “Search” or “Get Weather” button (often styled in a distinct color, like blue or green).
   * **Example**: Type “Tokyo” and click the button.
2. **Viewing Weather Information**
   * **Purpose**: See the temperature in Celsius and other weather details.
   * **Steps**:
     1. After clicking the button, the app displays the weather below or near the input field.
     2. Look for the temperature (e.g., “15°C”), weather description (e.g., “Clear”), and possibly additional details like humidity or wind speed.
   * **Example**: For “Tokyo,” you might see “18°C, Partly Cloudy, Humidity: 70%.”
3. **Handling Errors for Misspelled Cities**
   * **Purpose**: Understand and correct invalid city names.
   * **Steps**:
     1. If you enter an incorrect city name (e.g., “Lndon” instead of “London”), an error message appears (e.g., “City not found” or “Please enter a valid city”).
     2. Check the spelling and try again with the correct city name.
   * **Example**: Type “Sidney” and see an error like “City not found.” Correct it to “Sydney” and retry.