

CloudWatch

Overview

The Weather App is a powerful and user-friendly application that provides current weather updates and forecasts for cities and regions worldwide. Whether you need weather information for major cities like London, Berlin, or New York, or for more remote locations, this app ensures you have quick and reliable data to stay informed.

Features

- **Worldwide Weather Data:** Get current weather and forecasts for cities and regions across the globe.
- **Detailed Weather Information:** View essential weather details such as temperature, humidity, wind.
- **Search Functionality:** Easily search for weather updates by city name.
- **User-Friendly Interface:** A simple and intuitive interface for a seamless user experience.
- **Loading and Error States:** Provides feedback while loading and displays user-friendly error messages if data cannot be fetched.

Technologies Used

- **Frontend:** React.js, HTML, CSS
- **Weather Data Provider:** OpenWeatherMap API
- **Styling:** Plain CSS or optional CSS frameworks like Bootstrap or Tailwind CSS
- **State Management:** React Context API for managing application state

Installation and Setup

Prerequisites

Ensure you have the following installed on your local machine:

- **Node.js** (version 14 or higher)
- **npm** (Node Package Manager)

Steps to Install and Run

1. Clone the repository:

```
git clone https://github.com/yourusername/weather-app.git
cd CloudWatch
```

2. Install the project dependencies: