

# Weather Finder

This is a Weather website built using React and an API to provide real-time weather information. Users can search for the weather forecast of a specific location and view details such as temperature, humidity, wind speed, and more.

## Features

- Search for the weather forecast of a specific location by entering the city name or ZIP code.
- Display the current weather conditions, including temperature, humidity, wind speed, and weather description.
- Show a 3-day weather forecast with daily temperature..
- Automatically detect the user's location and display the weather information for that location.

## Technologies Used

The Weather Website project utilizes the following technologies:

- React: A JavaScript library for building user interfaces.
- API: Utilizes a weather API to fetch weather data for different locations.
- HTML: Provides the structure of the website.
- CSS: Used for styling and layout.
- JavaScript: Implements functionality and logic.
- Git: Version control system for tracking changes.
- npm: Package manager for installing project dependencies.
- Webpack: Module bundler for building the project.

## Installation

To run the Weather Website locally, follow these steps:

- Clone the repository or download the source code.
- Navigate to the project directory in your terminal.
- Run the command `npm install` to install the necessary dependencies.
- Obtain an API key from a weather service provider([openweathermap.com](https://openweathermap.org/)).
- Replace `YOUR_API_KEY` with your actual API key in the source code.
- Run the command `npm start` to start the development server.

- Open a web browser and visit **`http://localhost:3000`** to access the Weather Website.

## API Usage

The Weather Website relies on an external weather API to retrieve weather data. You need to sign up with OpenWeatherMap (a weather service provider) and obtain an API key. Once you have the API key, follow the installation steps above and add your API key to the source code where required.

The API key is used in the project to authenticate and authorize your requests to the weather API. Refer to the weather service provider's documentation for details on the API usage and available endpoints.

## Acknowledgements

- This project is made possible by the contributions of various open-source libraries and the weather service provider for the API.
- Special thanks to the React community for creating a powerful framework for building user interfaces.