

# Weather Forecast Slidify

## Project Work - Developing Data Products

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# Why Weather Forecast?

Most people travel around the globe and it is imperative for them to be aware and prepared for the weather in the destination. This is an simple application which takes the city name as input and gets the weather information of the city from <http://openweathermap.org>

This weather application is developed with the aim for wider usage across the nations. The application uses a weather API ,which is simple, clear and free. The data provider also offers higher levels of support.

Access current weather data for any location on Earth including over 200,000 cities! Current weather is frequently updated based on global models and data from more than 40,000 weather stations . Data is available in JSON, XML, or HTML format . Call current weather data for one location

You can choose these search methods: By city name By city ID By geographic coordinates

By city name Calls by city name. API respond with a list of results that match a searching word.  
Calls by city name with country code using API

Current weather data

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## ##5 and 16 day forecast

Both 5 day forecasts and 16 day forecasts are available at any location or city 5 day forecasts include weather data every 3 hours and 16 day forecasts include daily weather Forecasts are available in JSON, XML, or HTML format

## Historical data

Through our API we provide both city historical weather data and raw data from weather stations Historical data is available for 1 month previous in both free and developer accounts, for 1 year previous in Professional accounts, and is unlimited in Enterprise accounts

## Weather stations

Access recent data from weather stations Search weather stations close to a geographic location Get historical weather station data More than 40,000 weather stations around the world are connected to OpenWeatherMap

Join our network of private weather stations and get convenient data gathering and monitoring for your weather station

## Weather map layers

Weather maps include precipitation, clouds, pressure, temperature, wind, and more! Connect our weather maps to your mobile applications and websites Use as layers in Direct Tiles, WMS, OpenLayers, Leaflet, Google Maps, and Yandex maps

# The application can be upgraded in such a way to add more features

## Search accuracy

You can use our geocoding system to find cities by name, country, zip-code (not included in standard package) or geographic coordinates. You can call by part of city name. To make the calling result more accurate you can put the city name and country divided by comma.

To set the accuracy level either use the 'accurate' or 'like' type parameter. 'accurate' returns exact match values. 'like' returns results by searching for that substring. type ['accurate', 'like']

## Units format

Internal, metric, and imperial units are available.

## Multilingual support

You can use lang parameter to get the output in your language. We support the following languages that you can use with the corresponded lang values: English - en, Russian - ru, Italian - it, Spanish - es (or sp), Ukrainian - uk (or ua), German - de, Portuguese - pt, Romanian - ro, Polish - pl, Finnish - fi, Dutch - nl, French - fr, Bulgarian - bg, Swedish - sv (or se), Chinese Traditional - zh\_tw, Chinese Simplified - zh (or zh\_cn), Turkish - tr, Croatian - hr, Catalan - ca