



## Overview

### Description

- Enter a location for weather information
- View the current climate information for the location
  - Location, date, current conditions, temperature, sunrise, and sunset
- View the 5-day forecast for the location
  - Day, date, high, and low

Products

Weather

Create an App

Get Started

Documentation

Support

# Yahoo Weather API for your apps

Get up-to-date weather information for any location, including 5-day forecast, wind, atmosphere, astronomy conditions, and more. You can lookup weather by weoid, city name or lat/long.

Get Started

## Sample Weather API Response

Examples

Forecast for Nome, AK

Wind for Chicago, IL

Current conditions for San Diego, CA

One word conditions for Dallas, TX

Sunset time for Hawaii

Weather in Greenland

Responses

JSON

XML

YQL Query

YQL Console

select \* from weather.forecast where weoid in (select weoid

Test

Response

```
{
  "query": {
    "count": 1,
    "created": "2016-09-12T17:50:05Z",
    "lang": "en-US",
    "results": {
      "channel": {
        "units": {
          "distance": "mi",
          "pressure": "in",
          "speed": "mph",
```

Endpoint

```
https://query.yahooapis.com/v1/public/yql?q=select%20*%20from
```

Figure 1. Yahoo! weather api explorer

### Expectations

You will build, alongside your instructor, all parts of this exercise (i.e. HTML and JS). At a minimum, the application must include or demonstrate the following:

- A form for allowing the user to enter a location for weather search
- Utilization of jQuery (or another library) to make things easier where possible
- Encapsulation of all your code in an IIFE (i.e. nothing should be leaked to the global object)
- Properly documented code using an acceptable commenting convention (e.g. [JSDoc<sup>2</sup>](#))
- Adherence to a widely accepted code convention for code style
- A clear and coherent directory structure
- **Any other requirements as laid out by your instructor in class**

The emphasis in this assignment is on functionality, which essentially means that the aesthetics are of lesser (if any) concern. The exercise is geared towards getting the application to work correctly and demonstrating best practices and advanced understanding of JavaScript in the process.

### Delivery

You will build this app along with your instructor; there is no delivery requirement for this exercise.

### References

1. <https://developer.yahoo.com/weather/>
2. <http://usejsdoc.org/>