# Public JSON APIs Without Authentication

## Open-Meteo Weather API

URL: https://api.open-meteo.com/v1/forecast?latitude={latitude}&longitude={longitude}&current\_weather=true&timezone=auto

Description: Provides current weather data based on latitude and longitude. No authentication required.

## Nominatim (OpenStreetMap)

URL: https://nominatim.openstreetmap.org/search?q=Halifax&format=json

Description: Returns location data (latitude and longitude) for place names. Useful for geolocation and mapping.

## Cat Facts API

URL: https://catfact.ninja/fact

Description: Returns a random cat fact in JSON format. Fun and simple API for educational purposes.

## Dog CEO's Dog API

URL: https://dog.ceo/api/breeds/image/random

Description: Provides a random dog image URL. Great for image proxying or frontend display.

## Frankfurter Exchange Rate API

URL: https://api.frankfurter.app/latest?from=USD&to=EUR

Description: Returns current exchange rates between currencies. No key needed and easy to use.

## Open Notify (ISS Location)

URL: http://api.open-notify.org/iss-now.json

Description: Returns the current location of the International Space Station. Great for real-time data.

## Numbers API

URL: http://numbersapi.com/42?json

Description: Provides trivia and facts about numbers. Fun and quirky API for creative projects.

## Bored API

URL: https://www.boredapi.com/api/activity

Description: Suggests a random activity to do when you're bored. Simple and engaging JSON response.

## University Domains API

URL: http://universities.hipolabs.com/search?country=Canada

Description: Returns a list of universities with domains and web pages by country. Useful for search and filtering.