

# Air Quality Report

# The API

<https://aqicn.org/api/>

## Search for City:

[https://api.waqi.info/search/?token=1179ba38ad29415340ff49883e333452f0695027&keyword=los \*\*angeles\*\*](https://api.waqi.info/search/?token=1179ba38ad29415340ff49883e333452f0695027&keyword=los%20angeles)

## Get report

[https://api.waqi.info/feed/\*\*losangeles/burbank\*\*?token=1179ba38ad29415340ff49883e333452f0695027](https://api.waqi.info/feed/losangeles/burbank/?token=1179ba38ad29415340ff49883e333452f0695027)

# Tools Used

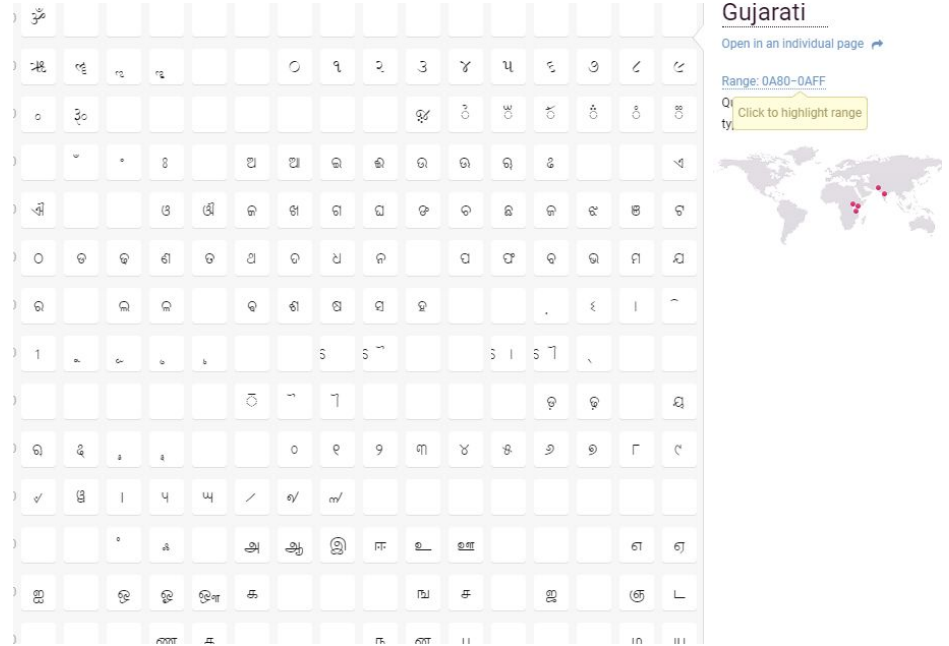
- All the usual, Spring boot, Spring MVC, MySQL, ...
- Jackson
  - JSON to Java objects
  - 1. Create a Java object (with all the required fields)
  - 2. Create ObjectMapper object (mapper)
  - 3. Object x = mapper.readValue(jsonString, Object.class)



# Tools Used (Continued)

## UTF-8 encoding

- Allows for almost any language
- Helpful for cities that don't use English / Latin alphabet
- JSON response is in utf-8
- Java strings use utf-16 (I think)



# Website

Main page - has all of the basic functionality

Registration - Create an account (unsecure)

Main page (logged in) - Can save some settings to database