

Angular JS (Front End)

Create a page with input field (search string) and hit the back end endpoint and display the results.

NODE JS Implmenetation (Backend)

Prepare a simple REST API that exposes the “/search” endpoint which accepts requests such as:

/search?q=London

/search?q=Warsaw

/search?q=New+York

/search?q=San

Use the <http://geocode.xyz> API to obtain the latitude and longitude of the selected location:

<https://geocode.xyz/?locate=Warsaw,Poland&json=1>

<https://geocode.xyz/?locate=London,UK&json=1>

<https://geocode.xyz/?locate=New+York,USA&json=1>

Find the list of cities close to that location:

<https://www.metaweather.com/api/location/search/?lattlong=36.96,-122.02>

Using “woeid” from response retrieve the weather forecast for that city:

<https://www.metaweather.com/api/location/2488853/>

Merge that information with data provided from:

<https://api.onwater.io/api/v1/results/23.92323,-66.3>

The API should use the current LTS node.js version. Use ES2017 features like “async” and “await”.

Do not use “loopback”.

NOTE: Make sure the endpoint is secured, i.e. token from the HTTP header should be validated and allowed to access the endpoint if token is valid.