

Nordsense Technical Coding Test – Nearest Intersection

Objective: You should build an API endpoint that given a point (latitude and longitude) will calculate the nearest intersection (you will be given a list of possible intersections) and the direction and bearing the point is regarding that given intersection.

Input:

- point latitude and longitude

Output:

- intersection name
- angle of the point in relation to the intersection
- cardinal direction of the point in relation to the intersection (S, SW, W...)

Other considerations:

- the solution should be done in javascript or typescript
- you should create some unit tests (we're not expecting a high-test coverage just to access your knowledge regarding them)
- you are free to use any additional library to help you solve this (maybe have a look at turf.js for the geospatial things)
- structure your code as if this was just the start of a project that would encapsulate a lot more endpoints
- the code should live in a git repository
- when you're ready to submit your solution, send us an email with the url for the repository