# 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 geospacial 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