This api is used to identify the trip id , and shape ids of anonymous bus trajectory through using map matching and bag of road features.

URLs**:**

<http://127.0.0.1:5000/api/v1/match>

## Input:

bus trajectory on Json form, example:

[{"lat": 25.28489,

"long": 51.53645},

{"lat": 25.28522,

"long": 51.53643}

…..

]

## Output:

Top 3 matched trips ids, shapes ids and their matching value

Example:

{

  "top\_matched": [

    {

      "matching": 1.0,

      "shape\_id": 10010.0,

      "trip\_id": 10.0

    },

    {

      "matching": 0.5953997130756828,

      "shape\_id": 10020.0,

      "trip\_id": 10.0

    },

    {

      "matching": 0.32596102683687267,

      "shape\_id": 120.0,

      "trip\_id": 12.0

    }

  ]

}