API Reference

Entity Endpoint

API Version: 1.0

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API

1. ENDPOINTS

1.1 DELETE /entities/all

Deletes all entities

Deletes all cars and traffic lights from the database

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Default Response

RESPONSE MODEL - application/json

```
{
}
```

1.2 GET /entities/cars

get all cars

Get information about all cars in database. Is empty when no car was found

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Successful response

RESPONSE MODEL - application/json

```
[{
Array of object:
   vin      string   Vin of car
   oem      string   oem of car
   model    string   car model
   goingUp  boolean  indicates that the car is going up
}]
```

1.3 GET /entities/cars/{vin}

get specific car

Get information about a car with specified vin

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*vin	string	car vin

RESPONSE

STATUS CODE - 200: Successful response

RESPONSE MODEL - application/json

```
{
   vin      string   Vin of car
   oem      string   oem of car
   model    string   car model
   goingUp  boolean  indicates that the car is going up
}
```

STATUS CODE - 404: Error response

RESPONSE MODEL - application/json

```
{
Error response
}
```

1.4 GET /entities/traffic-lights

get all traffic lights

Get information about all traffic lights in database. Is empty when no traffic light was found

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Successful response

RESPONSE MODEL - application/json

```
[{
Array of object:
   id            string  ID of traffic light
   scanDistance  number  >=10
                         Scan distance of the traffic light in meters
   location      number  horizontal location of traffic light on the street
}]
```

1.5 GET /entities/traffic-lights/{id}

get specific traffic light

Get information about a traffic light with specified id

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*id	string	traffic light id

RESPONSE

STATUS CODE - 200: Successful response

RESPONSE MODEL - application/json

```
{
   id            string   ID of traffic light
   scanDistance  number   >=10
                          Scan distance of the traffic light in meters
   location      number   horizontal location of traffic light on the street
}
```

STATUS CODE - 404: Error response

RESPONSE MODEL - application/json

```
{
Error response
}
```

1.6 GET /entities/traffic-lights/near/{location}/{direction}

get traffic light in front of car within scan distance

Is used to find the traffic light in front of a car, where the car is in scan distance of said traffic light

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*location	number	location of car
*direction	string	driving direction of car

RESPONSE

STATUS CODE - 200: Successful response. If no traffic light was found near car, returns null

RESPONSE MODEL - application/json

```
{
   id            string   ID of traffic light
   scanDistance  number   >=10
                          Scan distance of the traffic light in meters
   location      number   horizontal location of traffic light on the street
}
```

STATUS CODE - 400: Direction was not in pattern NTS or STN