

BACKEND-CODING-TEST

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backend-coding-test

Introduction

This API stores ride information.

Overview

This is a simple create/read API without update/deletion functionality.

Authentication

Not applicable. This is a test project. But we should have one for production.

Error Codes

All responses will return 200 OK Application error codes will be given through the response json.

Rate limit

Not applicable. This is a test project. But we should have one for production.

GET Get health

localhost:8010/health

Description

Get health status of the service

Parameters

-None-

Attributes

-None-

Response

200 OK

POST Post ride information

localhost:8010/rides

Description

Submit single ride information.

Parameters

-None-

Attributes

start_lat: start latitude
-90.0 <= start_lat <= 90.0 (mandatory)

start_long: start longitude
-180.0 <= start_long <= 180.0 (mandatory)

end_lat: end latitude
-90.0 <= end_lat <= 90.0 (mandatory)

end_long: end longitude
-180.0 <= end_long <= 180.0 (mandatory)

rider_name: rider name
string (mandatory)

driver_name: driver name
string (mandatory)

driver_vehicle: vehicle make
string (mandatory)

Response

Json

BODY raw

```
{
  "start_lat": 1.3521,
  "start_long": 103.8198,
  "end_lat": 1.3421,
  "end_long": 103.8198,
  "rider_name": "jane",
  "driver_name": "john",
  "driver_vehicle": "toyota"
}
```

GET Get rides

localhost:8010/rides

Description

Get information of all rides.

Parameters

-None-

Attributes

after_id :last ride id from previous page retrieved
leave this field empty if retrieving the first page

page_limit (mandatory) :number of records to retrieve per page

Response

Json

BODY raw

```
{
  "page_limit": 20
}
```

GET Get ride information

localhost:8010/rides/id

Description

Get information of a particular ride.

Parameters

id - Unique identifier of the ride.

Attributes

-None-

Response

Json

PATH VARIABLES

id 3

Example Request

Get health

```
curl --location --request GET 'localhost:8010/health'
```

Example Request

Post ride information

```
curl --location --request POST 'localhost:8010/rides' \
--data-raw '{
  "start_lat": 1.3521,
  "start_long": 103.8198,
  "end_lat": 1.3421,
  "end_long": 103.8198,
  "rider_name": "jane",
  "driver_name": "john",
  "driver_vehicle": "toyota"
}'
```

Example Request

Get rides

```
curl --location --request GET 'localhost:8010/rides' \
--data-raw '{
  "page_limit": 20
}'
```

Example Request

Get ride information

```
curl --location --request GET 'localhost:8010/rides/3'
```