CAR RENTAL BOOKING API

We make car rental booking api’s. There are following api’s below with their request and response.

Description

A REST API that fulfils the requirements detailed below:

Get a list of all cars with details.

Filter out cars with there id’s

Book car within available period.

Running

Java 8+ and Maven 3 should be installed.

Change directory to the root folder of the application.

Run the below maven command to generate the JAR file.

mvn clean package

Run the JAR file

java -jar target/carrental-0.0.1.jar

ENDPOINT

NOTE:- please replace localhost with my public ip which is written in my git repo with name (PublicIP.txt)

1.getList

<http://localhost:8080/carrental/rest/car/getList>

Response

[

{

"model": "Toyota Camry",

"year": 2015,

"pricePerHour": 600.00,

"status": "Available",

"availableFrom": [

2023,

1,

8,

1,

59,

43

],

"availableTo": [

2023,

1,

18,

23,

59,

43

],

"bookings": []

},

{

"model": "Toyota Camry",

"year": 2019,

"pricePerHour": 700.00,

"status": "Available",

"availableFrom": [

2023,

1,

8,

1,

59,

43

],

"availableTo": [

2023,

1,

18,

23,

59,

43

],

"bookings": []

},

{

"model": "BMW 650",

"year": 2019,

"pricePerHour": 700.00,

"status": "Available",

"availableFrom": [

2023,

1,

8,

1,

59,

43

],

"availableTo": [

2023,

1,

18,

23,

59,

43

],

"bookings": []

},

{

"model": "BMW 650",

"year": 2022,

"pricePerHour": 700.00,

"status": "Available",

"availableFrom": [

2023,

1,

8,

1,

59,

43

],

"availableTo": [

2023,

1,

18,

23,

59,

43

],

"bookings": []

}

]

2.getListById

http://localhost:8080/carrental/rest/car/getListById/2

Response

{

"model": "Toyota Camry",

"year": 2015,

"pricePerHour": 600.00,

"status": "Available",

"availableFrom": [

2023,

1,

8,

1,

59,

43

],

"availableTo": [

2023,

1,

18,

23,

59,

43

],

"bookings": []

}

3.Book

<http://localhost:8080/carrental/rest/booking/book>

Response

{

"car": {

"model": "Toyota Camry",

"year": 2015,

"pricePerHour": 600.00,

"status": "Available",

"availableFrom": [

2023,

1,

8,

1,

59,

43

],

"availableTo": [

2023,

1,

18,

23,

59,

43

],

"bookings": []

},

"beginning": "2023-01-12T05:00",

"end": "2023-01-12T09:00"

}