**API SPECIFICATION**

1. Get All Cars

Method: GET

URI: http://{HOST\_NAME}/cars

Request:

curl --location --request GET 'http://localhost:8080/cars'

Response:

[

{

"carId": 1,

"manufacturer": "TOYOTA",

"model": "CAMRY",

"registrationNumber": "KA03JJ0675",

"fuelType": "PETROL",

"category": "SEDAN",

"color": "WHITE",

"totalSeats": 4

},

{

"carId": 2,

"manufacturer": "TOYOTA",

"model": "CAMRY",

"registrationNumber": "KA03JJ0778",

"fuelType": "DIESEL",

"category": "SEDAN",

"color": "BLACK",

"totalSeats": 5

},

{

"carId": 3,

"manufacturer": "BMW",

"model": "650",

"registrationNumber": "KA03JJ0123",

"fuelType": "PETROL",

"category": "SEDAN",

"color": "RED",

"totalSeats": 4

},

{

"carId": 4,

"manufacturer": "BMW",

"model": "650",

"registrationNumber": "KA03JJ0456",

"fuelType": "DIESEL",

"category": "SEDAN",

"color": "BLUE",

"totalSeats": 5

}

]

1. Get Cars by Filters

Method: GET

URI: http://{HOST\_NAME}/cars?filters=category:Sedan\_manufacturer:toyota\_fuelType:petrol

Note: Filters are optional. Supported filters are "manufacturer", "fuelType", "category"

Request:

curl --location --request GET 'http://localhost:8080/cars?filters=category:Sedan\_manufacturer:toyota\_fuelType:petrol'

Response:

[

{

"carId": 1,

"manufacturer": "TOYOTA",

"model": "CAMRY",

"registrationNumber": "KA03JJ0675",

"fuelType": "PETROL",

"category": "SEDAN",

"color": "WHITE",

"totalSeats": 4

}

]

1. Book a Car

Method: POST

URI: http://{HOST\_NAME}/orders

Request:

curl --location --request POST 'http://localhost:8080/orders' \

--header 'Content-Type: application/json' \

--data-raw '{

"carId" : 3,

"startDate" : "2022-12-06 14:00:00",

"endDate" : "2022-12-06 17:00:00",

"customerName" : "Chandu",

"customerEmail" : "chandu@gmail.com",

"customerPhoneNumber" : "9832198321"

}'

Response:

{

"orderId": "7fa77e21-9cf7-4dd4-9a08-a615f489a592",

"orderStatus": "CONFIRMED",

"statusCode": 201,

"startDate": "2022-12-06 14:00:00",

"endDate": "2022-12-06 17:00:00",

"customerName": "Chandu",

"customerEmail": "chandu@gmail.com",

"customerPhoneNumber": "9832198321"

}

1. Get booking order details by order id

Method: GET

URI: http://{HOST\_NAME}/orders/{ORDER\_ID}

Request:

curl --location --request GET 'http://localhost:8080/orders/7fa77e21-9cf7-4dd4-9a08-a615f489a592'

Response:

{

"orderId": "7fa77e21-9cf7-4dd4-9a08-a615f489a592",

"orderStatus": "CONFIRMED",

"statusCode": 201,

"startDate": "2022-12-06 14:00:00",

"endDate": "2022-12-06 17:00:00",

"customerName": "Chandu",

"customerEmail": "chandu@gmail.com",

"customerPhoneNumber": "9832198321"

}

1. Update booking order details

Method: PATCH

URI: http://{HOST\_NAME}/orders/{ORDER\_ID}

Request:

curl --location --request PATCH 'http://localhost:8080/orders/385f463c-3056-4c95-a674-6f85bb8fa750' \

--header 'Content-Type: application/json' \

--data-raw '{

"customerName" : "Yadav",

"customerPhoneNumber": "9832198325"

}'

Response:

{

"message": "Your order was updated successfully"

}

1. Complete booking

Method: PATCH

URI: http://{HOST\_NAME}/orders/{ORDER\_ID}/complete

Request:

curl --location --request PATCH 'http://localhost:8080/orders/7fa77e21-9cf7-4dd4-9a08-a615f489a592/complete'

Response:

{

"message": "Your order was completed successfully and your final cost is: INR 1500.0"

}

1. Cancel booking

Method:

URI: http://{HOST\_NAME}/orders/{ORDER\_ID}/cancel

Request:

curl --location --request PATCH 'http://localhost:8080/orders/aa0c84fa-11ba-41b0-8360-8824e0f53d31/cancel'

Response:

{

"message": "Your order was cancelled successfully"

}