CAR API

  The Car API is an easy-to-use JSON based API for retrieving detailed car information, including brand, model, year, version, country of origin, rating and specifications.

  This Application Programming Interface refers to the different methods to do queries to a Car Database, where you can search for a model based on different features, rate a car, delete your rating for a car or even add a new car model.

  The main route for the Car Database API is https://www.carapi.com/. The following methods will be concatenated to the main URL mentioned. Example: https://www.carapi.com/add/car_model/cdb030999.

<u>Error Responses</u>

422

object

status_message	string	optional
status_code	integer	optional

404

object

status_message	string	optional
status_code	integer	optional

<u>API Status Codes</u>

Code	HTTP Status	Message
1	200	Success.
2	422	Unprocessable entity: indicates that the server understands the content type of the request entity, and the syntax of the request entity is correct, but it was unable to process the contained instructions.
3	404	The URL is invalid or not found.

Search Cars

GET /search/car-model

Search for different car models.

<u>Query String</u>

api_key	string	default: <<api_key>>	required
query	string	Pass a text query to search. This value should be URI encoded. *minLength: 1*	optional
brand	string	Specify the car manufacturer.	optional
model	string	Pass the exact model of the car.	optional
year	integer	Specify the year the car was launched.	optional
version	string	Specify the trim of the car.	optional

<u>Responses</u> application/json

200

object

success	string	optional
data:	array[object]	optional
id	integer	optional
brand	string	optional
model	string	optional
year	integer	optional
version	string	optional
country_of_origin	string	optional
body_style	string	optional
engine_location	string	optional
engine_cylinders	integer	optional
engine_hp	integer	optional
engine_Nm	integer	optional
drive	string	optional
transmission	string	optional
doors	integer	optional
weight	integer	optional
rating	integer	optional

<u>Query example</u>:
http://localhost:8000/search/car_model?brand=ford&year=1966&api_key=cdb030999

Rate Cars

POST /car/{car_id}/rate/{api_key}

Rate the performance and quality of the car.

Path Parameters

car_id	integer	required
api_key	string	required

Request Body application/json

object

rating	**number:** This is the value of the rating you want to submit. The value is expected to be between 1 and 10. (integer)	required

Responses application/json

200

object

success	boolean	optional
message	string	optional

Query example: http://localhost:8000/car/8/rate/cdb310800

JSON example:

{

    "rating": 9

}

Delete Car Ratings

DELETE /car/{car_id}/rate/{api_key}

Remove your rating for a car.

Path Parameters

car_id	integer	required
api_key	string	required

Responses application/json

200

object

success	boolean	optional
message	string	optional

Query example: http://localhost:8000/car/8/delete_rating/cdb310800

Add Cars

PUT /add/car-model/{api_key}

This method will let you add new car models to the database.

Request Body application/json

items:	array[object]	required
brand	string	required
model	string	required
year	integer	required
version	string	required
country	string	required
body	string	required
engine_location	string	required
cylinders	integer	required
hp	integer	required
nm	integer	required
drive	string	required
transmission	string	required
doors	integer	required
weight	integer	required
rating	integer	required

Responses application/json

200

object

id	integer	optional
success	boolean	optional
message	string	optional

Query example: http://localhost:8000/add/car_model/cdb030999

JSON example:

```json
{
        "brand": "Bentley",
        "model": "Continental GT",
        "year": 2020,
        "version": "Coupe AWD",
        "country": "United Kingdom",
        "body": "Compact Cars",
        "engine_location": "Front",
        "cylinders": 12,
        "hp": 559,
        "nm": 516,
        "drive": "All Wheel Drive",
        "transmission": "Automatic",
        "doors": 2,
        "weight": 5115,
        "rating": 10
}
```