

API Specification Doc

(Car sales App)

Version	Date	Author	Description
1.0	07-May-2020	Akinwande	Initial draft

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Methods

1. login

Authenticate the user with the system and obtain the auth_token.

Set Authorization to Basic Auth.

Username is <any name>

Password is Curacel<>?

Request

Method	URL
GET	api/login/

Type	Params	Values
POST	username	string
POST	password	string

Response

Status	Response
200	<pre>{"Token": <token>}</pre> Token (string) - all further API calls must have this key in header
401	<pre>{"error": "Could Not Verify"}</pre>
400	<pre>{"error": "Please provide password."}</pre>
500	<pre>{"error": "Something went wrong. Please try again later."}</pre>

2. API health check

Get the new updates

Request

Method	URL
POST	api/ping/

Determine if the app is working and healthy. In this sample container, we declare it is healthy if we can load the model successfully.

Response

Status	Response
200	{"status" : "Healthy"}
500	{"error": "Something went wrong. Please try again later."}

3. Predict car price

Predict the price of a car

Request

Method	URL
POST	api/inference?<token>/

auth_key

The `token` that was given in response to `/api/login`

Sample JSON

```
[
  {
    "ID": "CAR018580",
    "Title": "2018 Suzuki Ertiga 1.6 AT",
    "Price": "688000",
    "Brand": "Suzuki",
    "Model": "Ertiga",
    "Year of Manufacture": "2018",
    "Used": "Yes",
    "Transmission": "Automatic",
    "Color Family": "White",
    "Mileage (in km)": "",
    "Body Type": "MPV / AUV",
    "Version": "1.6",
    "Description": "The 2018 Suzuki Ertiga with Automatic transmission is for sale in Quezon City. This vehicle runs on Gasoline engine and is priced at 688000. You will be hard pressed to find better value for your money elsewhere. This is a bargain you cannot afford to miss, so get in touch today.\n\nIf you are interested to inquire on this listing just send a message using the contact seller form found on this page or call the seller directly. Please mention Carmudi when you contact the seller.\n\nDisclaimer:\nVehicles in the listings are not owned by Carmudi.com.ph. Thus, all transactions done will be between the buyer and the third-party seller only.\n\nCarmudi.com.ph either collects the images and vehicle specifications or uses the information given by its clients. Although considered accurate at the time of publication, take note that the information in the listings may change without prior notice, as Carmudi.com.ph regularly updates them.\n\nWe encourage you to report any inaccuracies by clicking the Report Listing button found on this page.",
    "Poster": "Auto Royale - Jeffrey Jardenil",
    "Poster Type": "Dealer",
    "Fuel Type": "Gasoline",
    "Location.2": "Quezon",
    "Date Posted": "43643",
    "name": "SuzukiErtiga",
    "retail": "978000",
    "Post Age": "35"
  }
]
```

Response

Status	Response
200	An array containing the prediction(s) of a car Example response:- {"price of car(PHP)": value}

401	<code>{"error": "Invalid Token"}</code>
401	<code>{"error": "Token is missing, set key to token"}</code>
500	<code>{"error": "Something went wrong. Please try again later."}</code>

Glossary

Conventions

- **Client** - Client application.
- **Status** - HTTP status code of response.
- All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
- All response are in JSON format.
- All request parameters are mandatory unless explicitly marked as **[optional]**
- The type of values accepted for a *request* parameter are shown the the values column like this **[10|<any number>]**. The | symbol means *OR*. If the parameter is **[optional]**, the default value is shown in blue bold text, as **10** is written in **[10|<any number>]**.

Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client's part

5XX - Error occurred in server's part

Status Code	Description
200	OK
201	Created
202	Accepted (Request accepted, and queued for execution)
400	Bad request
401	Authentication failure
403	Forbidden
404	Resource not found
405	Method Not Allowed
409	Conflict

412	Precondition Failed
413	Request Entity Too Large
500	Internal Server Error
501	Not Implemented
503	Service Unavailable