API GUIDELINE (v 1.1)

Purpose of the API guideline

The API guideline is meant as a help for websites in the building of an API that is easily interpreted by the AutoUncle search engine.

The API can either be implemented as:

    A. A static file containing a JSON representation of the all the ads currently active, following the pattern: "ads": [{}, {}].

    B. Or a live query API where the listings are paginated, following the pattern: "ads": [{}, {}].

If option A is chosen, the website should provide AutoUncle the URL (e.g. "http://mywebsite.com/autouncle/listing_dump.json") to the file. The website is responsible for dumping/updating the file regularly.

If option B is chosen the website should provide a base URL plus a functionality of paginating through the listings (e.g. "http://mywebsite.com/autouncle/listing_dump.json?page=3"). When there is no more listings the page should return an empty array.

It is suggested to restrict the API with either a token parameter or HTTP basic authentication.

Data structure

All keys and all values should be strings!

The following data fields are mandatory:

Mandatory means that the field should always be present for each car listing. If any of the mandatory fields are not available in your data, then leave the string blank as AutoUncle will try to enrich the data through our sophisticated data processing (e.g. "power": "")

    1. "back_link": "string" - *Should contain the reference URL on your site (The place where a user will be send back to, e.g "http://www.yoursite.com/audi/a5 sportback/1495918")*

    2. Either:

            "make": "string" - *Should contain the car's BRAND (e.g. "Audi").*

            "model_name": "string" - *Should contain the car's MODEL (e.g. "A5 Sportback").*

            "model_variant": "string" - *Should contain the car's VARIANT (e.g. "2,0 TDi 177 Multitr. 5d").*

        And/Or:

            "headline": "string" - *As an alternative (or addition) to the brand, model_name and model_variant, a headline containing all three can be provided (e.g. "Audi A5 Sportback 2,0 TDi 177 Multitr. 5d").*

3. "fuel": "string" - *Should contain the FUEL type (possible values: "Diesel", "Benzin", "Ethanol", "Biodiesel", "El", "El_Hybrid", "CNG_Hybrid", "LPG_Hybrid", "Hydrogen").*
4. "body": "string" - *Should contain the BODY type (possible values: "Hatchback", "Sedan", "Stationcar", "MPV", "SUV", "Cabriolet", "Coupe", "Pickup", "Van").*
5. "doors": "string" - *Should contain the number of DOORS (e.g. "5").*
6. "price": "string" - *Should contain car's PRICE including currency (e.g "kr 19900").*
7. "year": "string" - *Should contain car's first YEAR of registration (e.g. "2007").*
8. "Mileage": "string" - *Should contain the car's MILEAGE including unit of measure (e.g. "45000km")*
9. "leasing": "string" - *Should contain information if the offer is a LEASING offer (e.g. "yes", "no", "true")*
10. "color": "string" - *Should contain the car's exterior COLOR (e.g. "Blackmet.").*
11. "engine_size": "string" - *Should contain car's ENGINE SIZE including the unit of measure (e.g. "1,8 L", "1800 ccm").*
12. "power": "string" - *Should contain cars engine POWER including the unit of measure(e.g. "103 kw", "150HK").*
13. "gear_type": "string" - *Should contain the cars GEARBOX type (e.g. "automatic", "dsg", "manual").*
14. "has_4wd": "string" - *Should contain an indication if the car is equipped with four wheel drive (e.g. "true", "AWD").*
15. "seller_type": "string" - *Should contain an indication of the SELLER TYPE (private or dealer)(e.g. "Dealer", "Private").*
16. "seller_region": "string" - *Should contain the REGION location of the seller (e.g. "Midtjylland", "Berlin").*
17. "seller_city": "string" - *Should contain the CITY location of the seller (e.g. "Aarhus", "Hamburg").*
18. "seller_street_address": "string" - *Should contain the STREET ADDRESS of the seller (e.g. "Nygade 44").*
19. "seller_postcode": "string" - *Should contain the POSTCODE of the seller (e.g. "8730").*
20. "seller_name": "string" - *Should contain the name of the seller (e.g. "Steves' Automobiles").*
21. "seller_id": "string" - *Should contain the ID of the seller at your website. This is important for us to keep track of changes. (e.g. "14383443") NOTE: This is only necessary if you are providing adverts from multiple sellers!*
22. "description": "string" - *Should contain the sellers raw DESCRIPTION of the car(e.g. "Very nice car. Mint condition. Lots of equipment: ESP, El. windows, seat heating,")*
23. "images": ["string"] - *Should contain an array of image URL. NB! THE FIRST IMAGE SHOULD BE THE PRIMARY IMAGE. Four images at the max.(e.g. ["http://images.yoursite/34723", "http://images.yoursite/34733"]).*

Example of two car listings:

```
"ads": [
 {
  "back_link": "http://www.yoursite.com/audi/a5 sportback/1495918"
  "headline": "Audi A5 Sportback 2,0 TDi 177 Multitr. 5d",
  "make": "Audi",
  "model_name": "A5 Sportback",
  "model_variant": "2,0 TDi 177 Multitr. 5d",
  "fuel": "Diesel",
  "body": "Sedan",
  "doors": "4",
  "price": "569900kr",
  "year": "2013",
  "milage": "18000km",
  "color": "Sort",
  "engine_size": "2.0 L",
  "power": "177HK",
  "gear_type": "Automatic",
  "has_4wd": "",
  "seller_type": "Dealer",
  "seller_region": "Midtjylland",
  "seller_city": "Silkeborg",
  "seller_street_address": "Fredensgade 56",
  "seller_name": "Smukke biler",
  "seller_postcode": "8600",
  "seller_name": "Bjarnes Smukke biler",
  "seller_id": "134534",
  "description": "Meget velhodt! Står som ny. Masster af udstyr: ESP, Parkeringssensor, ABS, fjb. c.lås",
  "images": [
   "http://images.yoursite/34723",
   "http://images.yoursite/34724"
  ]
 },
 {
  "back_link": "http://www.yoursite.com/audi/a5 sportback/14943518",
  "headline": "Audi A5 Sportback 2,0 TDi 177 Multitr. 5d",
  "make": "",
  "model_name": "",
  "model_variant: "",
  "fuel": "Diesel",
  "body": "Sedan",
  "doors": "",
  "price": "DKK 520900",
  "year": "2012",
  "milage": "km: 39000",
  "color": "Sølvmetal",
  "engine_size": "2.0 L",
  "power": "150 KW",
  "gear_type": "Multitronic",
  "has_4wd": "",
  "seller_type": "Privat",
  "seller_region": "Sjælland",
  "seller_city": "København K",
  "seller_street_address": "Højen 252 b",
  "seller_postcode": "2400",
  "seller_name": "",
  "seller_id": "4622",
  "description": "Her får du ren køreglæde og kvalitet. Udstyr: ESP, Automatgear, fjb. c.lås, aut nbl. spejle,",
  "images": [
   "http://images.some_url/347134",
   "http://images.some_url/347135"
  ]
 }
]
```