

Cahernanolmo Property API

The main objective of this document is to outline the Design & Architecture of the System. It also captures the request/response details of the POST method.

2020-09-16

Mujassir Nasir

Contents

[**Version History**](#_heading=h.8fxnufyxtx4s) **2**

[**Keyword & Vocabulary**](#_heading=h.7h2cia5vnyvt) **2**

[Tools & Technologies](#_heading=h.30j0zll) **2**

[Authentication](#_heading=h.1fob9te) **2**

[POST Method](#_heading=h.3dy6vkm) **2**

[Request](#_heading=h.1t3h5sf) 3

[Required Parameters](#_heading=h.2s8eyo1) 3

[Optional Parameters](#_heading=h.imvg5wmsnafc) 3

[Sample JSON for POST](#_heading=h.pyiocnrdjxb0) 4

[Response](#_heading=h.leqd8dgvszsa) 4

[Success Response](#_heading=h.3z7rw3i1u7ll) 4

[Error Response](#_heading=h.vzm4y77z7lg5) 6

# Version History

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Description** |
| v1.0 | 2020-09-16 | Initial version of functionality explanation |
|  |  |  |
|  |  |  |

# 

# Keyword & Vocabulary

|  |  |
| --- | --- |
| **Keyword** | **Description** |
|  |  |
|  |  |

# Tools & Technologies

* Python/Django
* Docker
* Visual Studio Code

# Authentication

In order to use this API, you must have a valid api key for use this method. For testing/development purposes following API Keys could be used to authenticate:

|  |  |
| --- | --- |
| **Sr #** | **API KEY** |
| 1. | ce9d77b308c149d5992a80073637e4d5 |
| 2. | ce9d77b308c149d5992a80073637e4d6 |

# 

# 

# POST Method

The method could be used to obtain a list of properties given a set of filters.

## Request

### Required Parameters

Following are the required parameters:

|  |  |
| --- | --- |
| **Parameter** | **Comments** |
| APIKEY | In order to get authenticated on the API |
| latitude | latitude of the location point (geographic coordinates) |
| longitude | longitude of the location point ((geographic coordinate) |
| ad\_operation | Number value with following options:   * 0-All * 1-sales * 2-rent |
| ad\_typology | Number value with following options:   * 0-ALL * 1 -Vivienda * 4 -Garaje * 5 -Oficina * 6 -Locales * 8 -Garajes * 10 -Obra\_Nueva * 12 -Terreno * 13 -Edificios |
| ad\_owner\_type | Number value with following options:   * 0-ALL * 1-Particular * 2-Profesional |

### Optional Parameters

Following are the optional parameters:

|  |  |
| --- | --- |
| **Parameter** | **Comments** |
| minPrice | [0..n] |
| maxPrice | [0..n] |
| order | On which field, records needs to be ordered, following are the options:   * distance * price * rooms |
| sort | Following options:   * asc - Ascending Order * desc - Descending Order |

### Sample JSON for POST

|  |
| --- |
| {  "APIKEY":"ce9d77b308c149d5992a80073637e4d5",  "longitude": 40.3171899,  "latitude": -3.18253,  "distance": 100,  "ad\_operation": 1,  "ad\_typology": 1,  "ad\_owner\_type": 2,  "minPrice":1000,  "maxPrice":120000,  "order":"distance",  "sort":"desc"  } |

## Response

### Success Response

Success response will be an array of objects, following is the sample response:

|  |
| --- |
| [  {  "index\_key": 4089,  "distance": 0.582,  "location\_exact": true,  "latitude": -3.1790756,  "longitude": 40.3211321,  "price": 114000,  "price\_down": null,  "price\_percen": null,  "urlid": "88861767",  "url": "https://www.idealista.com/inmueble/88861767/",  "title": "Casa o chalet independiente en venta en calle del Chopo, 9",  "daystamp": "2020-05-17",  "timestamp": "2020-05-17 21:13:39",  "image\_01": "https://img3.idealista.com/blur/WEB\_DETAIL\_TOP-XL-L/0/id.pro.es.image.master/db/4f/8e/757261148.jpg",  "image\_02": "https://img3.idealista.com/blur/WEB\_DETAIL-XL-L/0/id.pro.es.image.master/9b/81/5a/757261149.jpg",  "image\_03": "https://img3.idealista.com/blur/WEB\_DETAIL-XL-L/0/id.pro.es.image.master/64/b6/5d/757261150.jpg",  "advertiser\_firstname": "Solvia inmobiliaria",  "advertiser\_name": "\"Solvia inmobiliaria\"",  "phonenumber\_0": "965 095 581",  "phonenumber\_1": null,  "stats\_date\_act": "2020-03-04",  "ad\_address\_locationId": "0-EU-ES-28-05-008-011",  "ad\_address\_municipalityId": "0-EU-ES-28-05-008-011",  "ad\_address\_provinceId": "0-EU-ES-28",  "ad\_energyCertification\_suffix": "spainDefault",  "ad\_energyCertification\_type": "g",  "ad\_id": "88861767",  "ad\_owner\_commercialId": "solvia",  "ad\_origin": "4",  "ad\_characteristics\_hasGarden": "1",  "comment": "\"Encuentra Pisos de Segunda Mano en Ambite.Se encuentra equipada con armarios empotrados y calefacción. La mejor oferta inmobiliaria de Viviendas de segunda mano",  "location\_tree": "Cuenca del Tajo-Tajuña, Madrid | Ambite | Urb. 35548-0001 | Calle del Chopo, 9",  "location\_zone": "Ambite",  "charac\_basic": "\"Casa o chalet independiente | 98 m² construidos | 3 habitaciones | 2 baños | Terraza | Certificación energética: (IPE no indicado)\"",  "charac\_equip": "\"Jardín\"",  "ad\_address\_locationLevel": 6,  "ad\_characteristics\_bathNumber": 2,  "ad\_characteristics\_constructedArea": 98,  "ad\_characteristics\_roomNumber": 3,  "ad\_media\_photoNumber": 16,  "ad\_media\_videoNumber": 0,  "ad\_operation": 1,  "ad\_owner\_contactPreference": 1,  "ad\_owner\_type": 2,  "ad\_price": 114000,  "ad\_typology": 1,  "ad\_builtType": 0,  "ad\_characteristics\_hasParking": false,  "ad\_characteristics\_hasSwimmingPool": false,  "ad\_characteristics\_hasTerrace": true  },  ] |

### Error Response

Following are possible error responses:

**Invalid JSON Input:**

|  |
| --- |
| {  "detail": "JSON parse error"  } |

**Required Parameters Missing:**

|  |
| --- |
| {  "code": 400,  "error\_code": "RequiredParametersMissing",  "message": "Required parameters are missing: distance,ad\_operation,ad\_typology,ad\_owner\_type"  } |

**Invalid API Key:**

|  |
| --- |
| {  "code": 401,  "error\_code": "InvalidAPIKey",  "message": "Invalid API Key"  } |

**Order Attribute Not Found:**

|  |
| --- |
| {  "code": 400,  "error\_code": "OrderAttributeNotFound",  "message": "Order attribute is not found. Available options are: rooms,price,distance"  } |