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# **Python Amazon Simple Product API Documentation**

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## Python Amazon Simple Product API

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**class** `amazon.api.AmazonCart` (*parsed\_response*)  
Wrapper around Amazon shopping cart. Allows iterating over Items in the cart.

**exception** `amazon.api.AmazonException`  
Base Class for Amazon Api Exceptions.

**class** `amazon.api.AmazonProduct` (*item, aws\_associate\_tag, api, \*args, \*\*kwargs*)  
A wrapper class for an Amazon product.

**actors**  
Movie Actors.  
**Returns** A list of actors names.

**asin**  
ASIN (Amazon ID)  
**Returns** ASIN (string).

**author**  
Author. Deprecated, please use *authors*.  
**Returns** Author (string).

**authors**  
Authors.  
**Returns** Returns of list of authors

**availability**  
Availability  
**Returns** Availability (string).

**availability\_max\_hours**  
`AvailabilityAttributes.MaximumHours`  
**Returns** MaximumHours (string).

**availability\_min\_hours**

AvailabilityAttributes.MinimumHours

**Returns** MinimumHours (string).

**availability\_type**

AvailabilityAttributes.AvailabilityType

**Returns** AvailabilityType (string).

**binding**

Binding.

**Returns** Binding (string)

**brand**

Brand.

**Returns** Brand (string)

**browse\_nodes**

Browse Nodes.

**Returns** A list of AmazonBrowseNode objects.

**color**

Color.

**Returns** Color (string)

**creators**

Creators.

Creators are not the authors. These are usually editors, translators, narrators, etc.

**Returns**

Returns a list of creators where each is a tuple containing:

1. The creators name (string).
2. The creators role (string).

**detail\_page\_url**

DetailPageURL.

**Returns** DetailPageURL (string)

**directors**

Movie Directors.

**Returns** A list of directors for a movie.

**ean**

EAN.

**Returns** EAN (string)

**edition**

Edition.

**Returns** Edition (string)

**editorial\_review**

Editorial Review.

Returns an editorial review text.



**Returns** Editorial Review (string)

**editorial\_reviews**

Editorial Review.

Returns a list of all editorial reviews.

**Returns**

A list containing:

Editorial Review (string)

**eisbn**

EISBN (The ISBN of eBooks).

**Returns** EISBN (string)

**features**

Features.

Returns a list of feature descriptions.

**Returns** Returns a list of 'ItemAttributes.Feature' elements (strings).

**formatted\_price**

FormattedPrice.

**Returns** FormattedPrice (string)

**genre**

Movie Genre.

**Returns** The genre of a movie.

**get\_attribute** (*name*)

Get Attribute

Get an attribute (child elements of 'ItemAttributes') value.

**Parameters** **name** – Attribute name (string)

**Returns** Attribute value (string) or None if not found.

**get\_attribute\_details** (*name*)

Get Attribute Details

Gets XML attributes of the product attribute. These usually contain details about the product attributes such as units.

**Parameters** **name** – Attribute name (string)

**Returns** A name/value dictionary.

**get\_attributes** (*name\_list*)

Get Attributes

Get a list of attributes as a name/value dictionary.

**Parameters** **name\_list** – A list of attribute names (strings).

**Returns** A name/value dictionary (both names and values are strings).

**get\_parent** ()

Get Parent.

Fetch parent product if it exists. Use *parent\_asin* to check if a parent exist before fetching.

**Returns** An instance of *AmazonProduct* representing the parent product.

**images**

List of images for a response. When using lookup with ResponseGroup 'Images', you'll get a list of images. Parse them so they are returned in an easily used list format.

**Returns** A list of *ObjectifiedElement* images

**is\_adult**

IsAdultProduct.

**Returns** IsAdultProduct (string)

**is\_preorder**

IsPreorder (Is Preorder)

**Returns** IsPreorder (string).

**isbn**

ISBN.

**Returns** ISBN (string)

**label**

Label.

**Returns** Label (string)

**languages**

Languages.

Returns a set of languages in lower-case.

**Returns** Returns a set of languages in lower-case (strings).

**large\_image\_url**

Large Image URL.

**Returns** Large image url (string)

**list\_price**

List Price.

**Returns**

A tuple containing:

1. Decimal representation of price.
2. ISO Currency code (string).

**manufacturer**

Manufacturer.

**Returns** Manufacturer (string)

**medium\_image\_url**

Medium Image URL.

**Returns** Medium image url (string)

**model**

Model Name.

**Returns** Model (string)

**mpn**

MPN.

**Returns** MPN (string)

**number\_sellers**

Number of offers - New.

**Returns** Number of offers - New (string)

**offer\_id**

Offer ID

**Returns** Offer ID (string).

**offer\_url**

Offer URL

**Returns** Offer URL (string).

**pages**

Pages.

**Returns** Pages (string)

**parent\_asin**

Parent ASIN.

Can be used to test if product has a parent.

**Returns** Parent ASIN if product has a parent.

**part\_number**

Part Number.

**Returns** Part Number (string)

**price\_and\_currency**

Get Offer Price and Currency.

Return price according to the following process:

- If product has a sale return Sales Price, otherwise,
- Return Price, otherwise,
- Return lowest offer price, otherwise,
- Return None.

**Returns**

A tuple containing:

1. Decimal representation of price.
2. ISO Currency code (string).

**product\_group**

ProductGroup.

**Returns** ProductGroup (string)

**product\_type\_name**

ProductTypeName.

**Returns** ProductTypeName (string)

**publication\_date**

Pubdate.

**Returns** Pubdate (datetime.date)

**publisher**

Publisher.

**Returns** Publisher (string)

**release\_date**

Release date .

**Returns** Release date (datetime.date)

**reviews**

Customer Reviews.

Get a iframe URL for customer reviews.

**Returns** A tuple of: has\_reviews (bool), reviews url (string)

**running\_time**

RunningTime.

**Returns** RunningTime (string)

**sales\_rank**

Sales Rank

**Returns** Sales Rank (integer).

**sku**

SKU.

**Returns** SKU (string)

**small\_image\_url**

Small Image URL.

**Returns** Small image url (string)

**studio**

Studio.

**Returns** Studio (string)

**tiny\_image\_url**

Tiny Image URL.

**Returns** Tiny image url (string)

**title**

Title.

**Returns** Title (string)

**upc**

UPC.

**Returns** UPC (string)

**class** amazon.api.**AmazonSearch** (*api*, *aws\_associate\_tag*, *\*\*kwargs*)

Amazon Search.

A class providing an iterable over amazon search results.

**iterate\_pages()**

Iterate Pages.

A generator which iterates over all pages. Keep in mind that Amazon limits the number of pages it makes available.

**Returns** Yields lxml root elements.

**exception** `amazon.api.AsinNotFound`

ASIN Not Found Exception.

**exception** `amazon.api.BrowseNodeLookupException`

Browse Node Lookup Exception.

**exception** `amazon.api.CartException`

Cart related Exception

**exception** `amazon.api.CartInfoMismatchException`

HMAC, CartId and AssociateTag did not match

**exception** `amazon.api.LookupException`

Lookup Exception.

**exception** `amazon.api.NoMorePages`

No More Pages Exception.

**exception** `amazon.api.RequestThrottled`

Exception for when Amazon has throttled a request, per: <http://docs.aws.amazon.com/AWSECommerceService/latest/DG/ErrorNumbers.html>

**exception** `amazon.api.SearchException`

Search Exception.

**exception** `amazon.api.SimilarityLookupException`

Similarity Lookup Exception.



## CHAPTER 2

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