
mijnahlib Documentation

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Costas Tyfoxylos

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CHAPTER 1

mijnahlib

a library to interact with albert heijn's on line store

- Documentation: <http://mijnahlib.readthedocs.io/en/latest>

Features

- TODO

CHAPTER 2

Installation

At the command line:

```
$ pip install mijnahlib
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv mijnahlib  
$ pip install mijnahlib
```


CHAPTER 3

Usage

To use `mijnahlib` in a project:

```
from mijnahlib import Server as AH
ah=AH(AH_USERNAME, AH_PASSWORD)

# add items to shopping cart by id
ah.shopping_cart.add_item_by_id('wi382975')

# add items to shopping cart by description
ah.shopping_cart.add_item_by_description('milk')

# show shopping cart contents.
print(ah.shopping_cart.contents)

# There are two types of items. Products and UnspecifiedProducts.
# UnspecifiedProducts have much less attributes exposed since they are
# generic. If accessed, those attributes return None and log a warning so
# they can be used like the Product items.
# show internal attributes of items in the cart
for item in ah.shopping_cart.contents:
    print(item.description)
    print(item.measurement_unit)
    print(item.price)
    print(item.quantity)
    print(item.has_discount)
    print(item.brand)
    print(item.category)
    print(item.price_previously)
    print(item.id)

# get a list of items with discount
discounted_items = ah.shopping_cart.get_items_with_discount()

# get info over the stores
for store in ah.stores:
```

```
print(store.address)
print(store.telephone)
print(store.id)
print(store.latitude)
print(store.longitude)
print(store.opening_times_today)
print(store.opens_sunday)
print(store.opens_evenings)
```

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

Submit Feedback

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.

Get Started!

Ready to contribute? Here's how to set up *mijnahlib* for local development.

1. Clone your fork locally:

```
$ git clone https://github.com/costastf/mijnahlib.git
```

2. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your clone for local development:

```
$ mkvirtualenv mijnahlib  
$ cd mijnahlib/  
$ python setup.py develop
```

3. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

4. Commit your changes and push your branch to the server:

```
$ git add .  
$ git commit -m "Your detailed description of your changes."  
$ git push origin name-of-your-bugfix-or-feature
```

5. Submit a merge request

mijnahlib package

Submodules

mijnahlib.mijnahlib module

Main module file

Put your classes here

```
class mijnahlib.mijnahlib.Item (ah_instance, info)
```

Bases: object

Generic class of the products objects

Handles all the common parts

quantity

The quantity of the items in the shopping cart

Returns The quantity of the items

url

The url of the item

Returns The url of the item

```
class mijnahlib.mijnahlib.ItemFactory
```

Bases: object

A factory that instantiates the appropriate object based on type

```
class mijnahlib.mijnahlib.Product (ah_instance, info)
```

Bases: *mijnahlib.mijnahlib.Item*

An object to model the products.

brand

The brand of the product

category

The category of the product

description

The description of the object

has_discount

Whether the object is a discounted one

id

The internal id of the item

is_orderable

Whether the object is orderable on not

Returns A boolean of the state

measurement_unit

The measurement unit of the product according to AH

price

The price of the product

price_previously

The previous price of the product if on discount.

class `mijnahlib.mijnahlib.Server` (*username, password*)

Bases: `object`

Object modeling the server connection.

Handles the authentication and exposes all the internal parts as attributes.

stores

class `mijnahlib.mijnahlib.Service`

Bases: `object`

class `mijnahlib.mijnahlib.ShoppingCart` (*ah_instance*)

Bases: `object`

Object modeling the shopping cart.

It is able to add items to the cart, by id or description. It exposes item objects through the content attribute

add_item_by_description (*description, quantity=1*)

Adds items to the shopping cart by the internal id representation

Parameters

- **description** – The description of the item
- **quantity** – The quantity as an integer

Returns True on success False otherwise.

add_item_by_id (*item_id, quantity=1*)

Adds items to the shopping cart by the internal id representation

Parameters

- **item_id** – The internal representation of the item
- **quantity** – The quantity as an integer

Returns True on success False otherwise.

contents

The contents of the shopping cart

Returns A list of items according to their type

get_items_with_discount()

Get the items that are on discount on the shopping cart

Returns A list of product objects or empty.

class `mijnahlib.mijnahlib.Store` (*info*)

Bases: `object`

address

city

id

latitude

longtitude

opening_times_today

opens_evenings

opens_sunday

street

street_number

telephone

zip_code

class `mijnahlib.mijnahlib.UnspecifiedProduct` (*ah_instance, info*)

Bases: `mijnahlib.mijnahlib.Item`

An object to model the unspecified products

description

The description of the product

mijnahlib.mijnahlibexceptions module

Main module Exceptions file

Put your exception classes here

exception `mijnahlib.mijnahlibexceptions.InvalidCredentials`

Bases: `exceptions.Exception`

Username and password combination is invalid

exception `mijnahlib.mijnahlibexceptions.UnknownServerError`

Bases: `exceptions.Exception`

Server did not respond as expected

Module contents

mijnahlib package

Imports all parts from mijnahlib here

CHAPTER 6

Credits

Development Lead

- Costas Tyfoxylos <costas.tyf@gmail.com>

Contributors

None yet. Why not be the first?

CHAPTER 7

History

CHAPTER 8

0.1 (10-05-2017)

- First release

CHAPTER 9

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