iqoptionapi

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iqoptionapi

1.1 iqoptionapi package

1.1.1 Subpackages

1.1.1.1 iqoptionapi.http package

Submodules

iqoptionapi.http.appinit module

Module for IQ option appinit http resource.

class iqoptionapi.http.appinit.**Appinit**(*api*)

Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option login resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'appinit'

iqoptionapi.http.auth module

Module for IQ Option http auth resource.

class iqoptionapi.http.auth.**Auth**(*api*)

Bases: *iqoptionapi.http.resource.Resource*

Class for IQ Option http auth resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'auth'

iqoptionapi.http.billing module

Module for IQ option billing resource.

class iqoptionapi.http.billing.**Billing**(*api*)

Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option billing resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'billing'

iqoptionapi.http.buyback module

Module for IQ option buyback resource.

class iqoptionapi.http.buyback.**Buyback**(*api*)

Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option buyback resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'billing/buyback'

iqoptionapi.http.changebalance module

Module for IQ option changebalance resource.

class iqoptionapi.http.changebalance.**Changebalance**(*api*)

Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option changebalance resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'profile/changebalance'

iqoptionapi.http.getprofile module

Module for IQ Option http getprofile resource.

class iqoptionapi.http.getprofile.**Getprofile**(*api*)

Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option getprofile resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'getprofile'

iqoptionapi.http.getregdata module

Module for IQ Option http getregdata resource.

class iqoptionapi.http.getregdata.**Getprofile**(*api*)
Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option getregdata resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'register/getregdata'

iqoptionapi.http.login module

Module for IQ Option http login resource.

class iqoptionapi.http.login.**Login**(*api*)
Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option login resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'login'

iqoptionapi.http.loginv2 module

Module for IQ Option http loginv2 resource.

class iqoptionapi.http.loginv2.**Loginv2**(*api*)
Bases: *iqoptionapi.http.login.Login*

Class for IQ option loginv2 resource.

url = 'login/v2'

iqoptionapi.http.profile module

Module for IQ option profile resource.

class iqoptionapi.http.profile.**Profile**(*api*)
Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option profile resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'profile'

iqoptionapi.http.register module

Module for IQ option register resource.

class iqoptionapi.http.register.**Register**(*api*)
Bases: *iqoptionapi.http.resource.Resource*

Class for IQ option register resource.

Parameters **api** – The instance of *IQOptionAPI*.

url = 'register'

iqoptionapi.http.resource module

Module for base IQ Option http base resource.

class `iqoptionapi.http.resource.`**`Resource`**(*api*)
Bases: `object`

Class for base IQ Option API http resource.

Parameters **`api`** – The instance of *`IQOptionAPI`*.

`send_http_request`(*method*, *data=None*, *params=None*, *headers=None*)
Send http request to IQ Option API.

Parameters

- **`method`** (*`str`*) – The http request method.
- **`data`** (*`dict`*) – (optional) The http request data.
- **`params`** (*`dict`*) – (optional) The http request params.
- **`headers`** (*`dict`*) – (optional) The http request headers.

Returns The instance of `requests.Response`.

iqoptionapi.http.token module

Module for IQ Option http token resource.

class `iqoptionapi.http.token.`**`Token`**(*api*)
Bases: *`iqoptionapi.http.resource.Resource`*

Class for IQ Option http token resource.

`url = 'auth/token'`

Module contents

Module for IQ Option API http resources.

1.1.1.2 iqoptionapi.ws package

Subpackages

iqoptionapi.ws.chanels package

Submodules

iqoptionapi.ws.chanels.base module

Module for base IQ Option base websocket chanel.

class `iqoptionapi.ws.chanels.base.`**`Base`**(*api*)
Bases: `object`

Class for base IQ Option websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

send_websocket_request(*name*, *msg*)
Send request to IQ Option server websocket.

Parameters

- **name** (*str*) – The websocket chanel name.
- **msg** (*dict*) – The websocket chanel msg.

Returns The instance of `requests.Response`.

iqoptionapi.ws.chanels.buyback module

Module for IQ Option buyback websocket chanel.

class iqoptionapi.ws.chanels.buyback.**Buyback**(*api*)
Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option subscribe to buyback websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'buyback'

iqoptionapi.ws.chanels.buyv2 module

Module for IQ Option buyV2 websocket chanel.

class iqoptionapi.ws.chanels.buyv2.**Buyv2**(*api*)
Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option buy websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'buyV2'

iqoptionapi.ws.chanels.candles module

Module for IQ option candles websocket chanel.

class iqoptionapi.ws.chanels.candles.**GetCandles**(*api*)
Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option candles websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'candles'

iqoptionapi.ws.chanels.setactives module

Module for IQ option setactives websocket chanel.

class iqoptionapi.ws.chanels.setactives.**SetActives**(*api*)
Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option setactives websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'setActives'

iqoptionapi.ws.chanels.ssid module

Module for IQ option API ssid websocket chanel.

class iqoptionapi.ws.chanels.ssid.**Ssid**(*api*)

Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option API ssid websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'ssid'

iqoptionapi.ws.chanels.subscribe module

Module for IQ option subscribe websocket chanel.

class iqoptionapi.ws.chanels.subscribe.**Subscribe**(*api*)

Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option subscribe websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'subscribe'

iqoptionapi.ws.chanels.unsubscribe module

Module for IQ option unsubscribe websocket chanel.

class iqoptionapi.ws.chanels.unsubscribe.**Unsubscribe**(*api*)

Bases: *iqoptionapi.ws.chanels.base.Base*

Class for IQ option unsubscribe websocket chanel.

Parameters **api** – The instance of *IQOptionAPI*.

name = 'unSubscribe'

Module contents

Module for IQ Option API websocket chanels.

iqoptionapi.ws.objects package

Submodules

iqoptionapi.ws.objects.base module

Module for IQ Option Base websocket object.

class iqoptionapi.ws.objects.base.**Base**

Bases: object

Class for IQ Option Base websocket object.

name

Property to get websocket object name.

Returns The name of websocket object.

iqoptionapi.ws.objects.candles module

Module for IQ Option Candles websocket object.

class iqoptionapi.ws.objects.candles.**Candle**(*candle_data*)

Bases: object

Class for IQ Option candle.

Parameters **candle_data** – The list of candles data.

candle_close

Property to get candle close value.

Returns The candle close value.

candle_high

Property to get candle high value.

Returns The candle high value.

candle_low

Property to get candle low value.

Returns The candle low value.

candle_open

Property to get candle open value.

Returns The candle open value.

candle_time

Property to get candle time.

Returns The candle time.

candle_type

Property to get candle type value.

Returns The candle type value.

class iqoptionapi.ws.objects.candles.**Candles**

Bases: *iqoptionapi.ws.objects.base.Base*

Class for IQ Option Candles websocket object.

candles_data

Property to get candles data.

Returns The list of candles data.

current_candle

Method to get current candle.

Returns The instance of *Candle*.

first_candle
Method to get first candle.

Returns The instance of *Candle*.

second_candle
Method to get second candle.

Returns The instance of *Candle*.

iqoptionapi.ws.objects.profile module

Module for IQ Option Profile websocket object.

class iqoptionapi.ws.objects.profile.**Profile**
Bases: *iqoptionapi.ws.objects.base.Base*

Class for IQ Option Profile websocket object.

balance
Property to get balance value.

Returns The balance value.

skey
Property to get skey value.

Returns The skey value.

iqoptionapi.ws.objects.timesync module

Module for IQ Option TimeSync websocket object.

class iqoptionapi.ws.objects.timesync.**TimeSync**
Bases: *iqoptionapi.ws.objects.base.Base*

Class for IQ Option TimeSync websocket object.

expiration_datetime
Property to get expiration datetime.

Returns The expiration datetime.

expiration_time
Property to get expiration time.

Returns The expiration time.

expiration_timestamp
Property to get expiration timestamp.

Returns The expiration timestamp.

server_datetime
Property to get server datetime.

Returns The server datetime.

server_timestamp
Property to get server timestamp.

Returns The server timestamp.

Module contents

Module for IQ Option API websocket objects.

Submodules

iqoptionapi.ws.client module

Module for IQ option websocket.

class `iqoptionapi.ws.client.`**`WebsocketClient`**(*api*)

Bases: `object`

Class for work with IQ option websocket.

Parameters **`api`** – The instance of `IQOptionAPI`.

`static on_close`(*wss*)

Method to process websocket close.

`static on_error`(*wss*, *error*)

Method to process websocket errors.

`on_message`(*wss*, *message*)

Method to process websocket messages.

`static on_open`(*wss*)

Method to process websocket open.

Module contents

Module for IQ Option API websocket.

1.1.2 Submodules

1.1.3 iqoptionapi.api module

Module for IQ Option API.

class `iqoptionapi.api.`**`IQOptionAPI`**(*host*, *username*, *password*, *proxies=None*)

Bases: `object`

Class for communication with IQ Option API.

Parameters

- **`host`** (`str`) – The hostname or ip address of a IQ Option server.
- **`username`** (`str`) – The username of a IQ Option server.
- **`password`** (`str`) – The password of a IQ Option server.
- **`proxies`** (`dict`) – (optional) The http request proxies.

`appinit`

Property for get IQ Option http appinit resource.

Returns The instance of `Appinit`.

auth
Property for get IQ Option http auth resource.

Returns The instance of *Auth*.

billing
Property for get IQ Option http billing resource.

Returns The instance of *Billing*.

buy
Property for get IQ Option websocket buyv2 request.

Returns The instance of *Buyv2*.

buyback
Property for get IQ Option http buyback resource.

Returns The instance of *Buyback*.

candles = <iqoptionapi.ws.objects.candles.Candles object>

changebalance
Property for get IQ Option http changebalance resource.

Returns The instance of *Changebalance*.

connect()
Method for connection to IQ Option API.

getcandles
Property for get IQ Option websocket candles chanel.

Returns The instance of *GetCandles*.

getprofile
Property for get IQ Option http getprofile resource.

Returns The instance of *Login*.

listinfodata = <iqoptionapi.ws.objects.listinfodata.ListInfoData object>

login
Property for get IQ Option http login resource.

Returns The instance of *Login*.

loginv2
Property for get IQ Option http loginv2 resource.

Returns The instance of *Loginv2*.

prepare_http_url(*resource*)
Construct http url from resource url.

Parameters **resource** – The instance of *Resource*.

Returns The full url to IQ Option http resource.

profile = <iqoptionapi.ws.objects.profile.Profile object>

send_http_request(*resource*, *method*, *data=None*, *params=None*, *headers=None*)
Send http request to IQ Option server.

Parameters

- **resource** – The instance of *Resource*.

- **method** (*str*) – The http request method.
- **data** (*dict*) – (optional) The http request data.
- **params** (*dict*) – (optional) The http request params.
- **headers** (*dict*) – (optional) The http request headers.

Returns The instance of `Response`.

send_websocket_request (*name*, *msg*)
Send websocket request to IQ Option server.

Parameters

- **name** (*str*) – The websocket request name.
- **msg** (*dict*) – The websocket request msg.

set_session_cookies()
Method to set session cookies.

setactives
Property for get IQ Option websocket setactives chanel.

Returns The instance of *SetActives*.

ssid
Property for get IQ Option websocket ssid chanel.

Returns The instance of *Ssid*.

subscribe
Property for get IQ Option websocket subscribe chanel.

Returns The instance of *Subscribe*.

timesync = <iqoptionapi.ws.objects.timesync.TimeSync object>

token
Property for get IQ Option http token resource.

Returns The instance of `Token`.

unsubscribe
Property for get IQ Option websocket unsubscribe chanel.

Returns The instance of *Unsubscribe*.

websocket
Property to get websocket.

Returns The instance of `WebSocket`.

1.1.4 iqoptionapi.constants module

Module for IQ Option API constants.

1.1.5 Module contents

A python wrapper for IQ Option API.

CHAPTER 2

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