

instascape package

Submodules

instascape.hashtag module

class instascape.hashtag.Hashtag(*url*)

Bases: instascape.insta_scraper.StaticInstaScraper

Representation of an Instagram hashtag page.

url : str

Full URL to a Instagram hashtag

static_load(*session=requests.Session()*)

Makes request to URL, instantiates BeautifulSoup, finds JSON data, then parses JSON data.

classmethod **from_hashtag**(*hashtag: str*)

Factory method for convenience to create Hashtag instance given just a hashtag name instead of a full URL.

Parameters: **hashtag** (*str*) – Name of the Hashtag for scraping

Returns: **Hashtag**(*url*) – Instance of Hashtag with URL created from the given hashtag name

Return type: str)

Example

```
>>>Hashtag.from_hashtag('pythonprogramming')  
<https://www.instagram.com/tags/pythonprogramming/: Hashtag>
```

instascape.insta_scraper module

class instascape.insta_scraper.StaticInstaScraper(*url*)

Bases: `abc.ABC`

Abstract base class for the Profile, Post, and Hashtag subclasses that handles much of the routine scraping methods

url : str

Full URL to an Instagram page

static_load(*session=requests.Session()*)

Makes request to URL, instantiates BeautifulSoup, finds JSON data, then parses JSON data.

static_load(*session=<requests.sessions.Session object>*)

instascrape.jsontools module

class `instascrape.jsontools.HashtagJSON`(*json_data: dict, name: str = None*)

Bases: `instascrape.jsontools.JSONScraper`

parse_json()

Parse JSON object

class `instascrape.jsontools.JSONScraper`(*json_data: dict, name: str = None*)

Bases: `abc.ABC`

abstract parse_json()

Parse JSON object

property scraped_attr

Return list of names of scraped data points

class `instascrape.jsontools.PostJSON`(*json_data: dict, name: str = None*)

Bases: `instascrape.jsontools.JSONScraper`

get_tagged_users() → List[str]

Scrape the usernames of the tagged users

parse_json()

Parse JSON object

class instascape.jsontools.ProfileJSON(*json_data: dict, name: str = None*)

Bases: `instascape.jsontools.JSONScraper`

parse_json()

Parse JSON object

instascape.post module

class instascape.post.Post(*url: str*)

Bases: `instascape.insta_scraper.StaticInstaScraper`

Representation of a single Instagram post.

url : str

Full URL to an existing Instagram profile

static_load(*session=requests.Session()*)

Makes request to URL, instantiates BeautifulSoup, finds JSON data, then parses JSON data.

classmethod from_shortcode(*shortcode: str*) → instascape.post.Post

Factory method for convenience to create Post instance given just a shortcode instead of a full URL.

Parameters: *shortcode* (str) – Shortcode of the Post for scraping

Returns: Instance of Post with URL at the given shortcode

Return type: Post(url)

instascape.profile module

class instascape.profile.Profile(*url*)

Bases: `instascape.insta_scraper.StaticInstaScraper`

Representation of an Instagram profile page.

url : str

Full URL to an existing Instagram profile

static_load(*session=requests.Session()*)

Makes request to URL, instantiates BeautifulSoup, finds JSON data, then parses JSON data.

classmethod `from_username(username: str)`

Factory method for convenience to create Profile instance given just a username instead of a full URL.

Parameters: `username (str)` – Username of the Profile for scraping

Returns: Instance of Profile with URL at the given username

Return type: `Profile(url)`

Example

```
>>>Profile.from_username('gvanrossum') <https://www.instagram.com/gvanrossum/:  
Profile>
```

Module contents