

Package: hackeRnews (via r-universe)

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Title Wrapper for the 'Official Hacker News' API

Version 0.2.2

Maintainer Ryszard Szymanski <ryszard.szymanski@outlook.com>

Description Use the Official Hacker News API through R. Retrieve posts, articles and other items in form of convenient R objects.

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Encoding UTF-8

Suggests covr, testthat (>= 2.1.0), httptest2, knitr, rmarkdown, spelling, tibble

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

Imports utils, httr2

VignetteBuilder knitr

URL <https://github.com/szymanskir/hackeRnews>

BugReports <https://github.com/szymanskir/hackeRnews/issues>

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get_best_stories	<i>Hacker News best stories</i>
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Description

Retrieves best stories using Hacker News API

Usage

```
get_best_stories(max_items = NULL)
```

Arguments

max_items	Maximum number of items to retrieve. If max_items = NULL, returns all available
-----------	---

Value

list of best stories

Examples

```
# get the best story on Hacker News
best_story <- get_best_stories(max_items = 1)
best_story

# get top 20 best stories on Hacker News
best_20_stories <- get_best_stories(max_items = 20)
best_20_stories

# get all best stories on Hacker News
best_stories <- get_best_stories()
best_stories
```

get_best_stories_ids Hacker News best stories ids

Description

Retrieves best stories ids using Hacker News API

Usage

```
get_best_stories_ids()
```

Value

list of best stories ids

Examples

```
# get the ids of best stories on Hacker News
best_stories_ids <- get_best_stories_ids()
best_stories_ids
```

get_comments	<i>Hacker News nested comments</i>
--------------	------------------------------------

Description

Retrieves all comments under an item using Hacker News API

Usage

```
get_comments(item)
```

Arguments

item	item whose children (comments) will be retrieved
------	--

Value

dataframe of all comments under an item

Examples

```
story <- get_item_by_id(21499889)
comments <- get_comments(story)

# Convert to a tibble to improve formatting
# as comment content might long
tibble::as_tibble(comments)
```

get_item_by_id	<i>Get Hacker News by Id</i>
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Description

Retrieves the item corresponding to specified id using Hacker News API

Usage

```
get_item_by_id(id)
```

Arguments

id	id of the item that should be retrieved
----	---

Details

The API in some cases returns a null response. When this situation occurs it is assumed that the item does not exist and NA is returned.

Value

item corresponding to the specified id

Examples

```
# retrieve the id of the latest Hacker News item
last_item_id <- get_max_item_id()
last_item_id

# retrieve the latest Hacker News item
last_hn_item <- get_item_by_id(last_item_id)
last_hn_item
```

get_items_by_ids	<i>Get Hacker News by ids</i>
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Description

Retrieves items corresponding to specified list of ids using Hacker News API

Usage

```
get_items_by_ids(ids)
```

Arguments

ids	list of ids
-----	-------------

Value

list of hn_item objects

Examples

```
# retrieve the first two items on Hacker News
items <- get_items_by_ids(c(1,2))
items
```

```
get_latest_ask_stories
```

Hacker News latest ask stories

Description

Retrieves latest ask stories using Hacker News API

Usage

```
get_latest_ask_stories(max_items = NULL)
```

Arguments

<code>max_items</code>	Maximum number of items to retrieve. If <code>max_items = NULL</code> , returns all available
------------------------	---

Value

list of latest ask HN stories ids

Examples

```
# get the latest ask story on Hacker News
latest_ask_story <- get_latest_ask_stories(max_items = 1)
latest_ask_story

# get 10 latest ask stories on Hacker News
latest_10_ask_stories <- get_latest_ask_stories(max_items = 10)
latest_10_ask_stories

# get all latest ask stories on Hacker News
latest_ask_stories <- get_latest_ask_stories()
latest_ask_stories
```

```
get_latest_ask_stories_ids
```

Hacker News latest ask stories ids

Description

Retrieves latest ask stories ids using Hacker News API

Usage

```
get_latest_ask_stories_ids()
```

Value

list of latest ask Hacker News stories ids

Examples

```
# get ids of latest ask stories
ask_stories_ids <- get_latest_ask_stories_ids()
ask_stories_ids
```

`get_latest_job_stories`*Hacker News latest job stories*

Description

Retrieves latest job stories using Hacker News API

Usage

```
get_latest_job_stories(max_items = NULL)
```

Arguments

<code>max_items</code>	Maximum number of items to retrieve. If <code>max_items = NULL</code> , returns all available
------------------------	---

Value

list of latest job stories

Examples

```
# get the latest job story on Hacker News
latest_job_story <- get_latest_job_stories(max_items = 1)
latest_job_story

# get 10 latest job stories on Hacker News
latest_10_job_stories <- get_latest_job_stories(max_items = 10)
latest_10_job_stories

# get all latest job stories on Hacker News
latest_job_stories <- get_latest_job_stories()
latest_job_stories
```

```
get_latest_job_stories_ids
```

Hacker News latest job stories ids

Description

Retrieves latest job stories ids using Hacker News API

Usage

```
get_latest_job_stories_ids()
```

Value

list of latest job stories ids

Examples

```
# get ids of latest job stories
latest_job_stories_ids <- get_latest_job_stories_ids()
latest_job_stories_ids
```

```
get_latest_show_stories
```

Hacker News latest show stories

Description

Retrieves latest show stories using Hacker News API

Usage

```
get_latest_show_stories(max_items = NULL)
```

Arguments

<code>max_items</code>	Maximum number of items to retrieve. If <code>max_items = NULL</code> , returns all available
------------------------	---

Value

list of latest show HN stories

Examples

```
# get the latest show story on Hacker News
latest_show_story <- get_latest_show_stories(max_items = 1)
latest_show_story

# get 10 latest show stories on Hacker News
latest_10_show_stories <- get_latest_show_stories(max_items = 10)
latest_10_show_stories

# get all latest show stories on Hacker News
latest_show_stories <- get_latest_show_stories()
latest_show_stories
```

`get_latest_show_stories_ids`*Hacker News latest show stories ids*

Description

Retrieves latest show stories ids using Hacker News API

Usage

```
get_latest_show_stories_ids()
```

Value

list of latest show Hacker News stories ids

Examples

```
# get ids of latest show stories on Hacker News
show_stories_ids <- get_latest_show_stories_ids()
show_stories_ids
```

get_max_item_id	<i>Hacker News item largest id</i>
-----------------	------------------------------------

Description

Retrieves largest item id available via Hacker News API

Usage

```
get_max_item_id()
```

Value

current largest item id

Examples

```
# retrieve the id of the latest item
get_max_item_id()
```

get_new_stories	<i>Hacker News newest stories</i>
-----------------	-----------------------------------

Description

Retrieves newest stories using Hacker News API

Usage

```
get_new_stories(max_items = NULL)
```

Arguments

max_items	Maximum number of items to retrieve. If max_items = NULL, returns all available
-----------	---

Value

list of new stories

Examples

```
# get the newest story on Hacker News
newest_story <- get_new_stories(max_items = 1)
newest_story

# get all new stories on Hacker News
new_stories <- get_new_stories()
new_stories
```

<code>get_new_stories_ids</code>	<i>Hacker News newest stories ids</i>
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Description

Retrieves newest stories ids using Hacker News API

Usage

```
get_new_stories_ids()
```

Value

list of new stories ids

Examples

```
# get ids of new stories on Hacker News
new_stories_ids <- get_new_stories_ids()
new_stories_ids
```

<code>get_top_stories</code>	<i>Hacker News top stories</i>
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Description

Retrieves top stories using Hacker News API

Usage

```
get_top_stories(max_items = NULL)
```

Arguments

<code>max_items</code>	Maximum number of items to retrieve. If <code>max_items = NULL</code> , returns all available stories
------------------------	---

Value

List of top stories

Examples

```
# get the top story on Hacker News
top_story <- get_top_stories(max_items = 1)
top_story
```

```
# get all top stories on Hacker News
top_stories <- get_top_stories()
top_stories
```

<code>get_top_stories_ids</code>	<i>Hacker News top stories ids</i>
----------------------------------	------------------------------------

Description

Retrieves top stories ids using Hacker News API

Usage

```
get_top_stories_ids()
```

Value

list of top stories ids

Examples

```
# retrieve the ids of current top stories on Hacker News
top_stories_ids <- get_top_stories_ids()
top_stories_ids
```

get_updates	<i>Hacker News updated profiles</i>
-------------	-------------------------------------

Description

Retrieves changed item ids and changed profile usernames using Hacker News API

Usage

```
get_updates()
```

Value

list of changed item ids and list of changed profile usernames

Examples

```
# get ids/usernames of updated items/profiles
hn_updates <- get_updates()
hn_updates
```

get_user_by_username	<i>Get Hacker News user</i>
----------------------	-----------------------------

Description

Get user corresponding to the specified username

Usage

```
get_user_by_username(username)
```

Arguments

username of the user that should be retrieved

Value

user corresponding to the specified username

Examples

```
# Retrieve information about the jl user
get_user_by_username("jl")
```

print.hn_item	<i>Print for "hn_item" type objects</i>
---------------	---

Description

Print for "hn_item" type objects

Usage

```
## S3 method for class 'hn_item'  
print(x, ...)
```

Arguments

x	"hn_item" type list
...	further arguments passed to or from other methods

print.hn_user	<i>Print for "hn_user" type objects</i>
---------------	---

Description

Print for "hn_user" type objects

Usage

```
## S3 method for class 'hn_user'  
print(x, ...)
```

Arguments

x	"hn_user" type list
...	further arguments passed to or from other methods

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