

Package ‘hackeRnews’

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Title Wrapper for the 'Official Hacker News' API

Version 0.2.1

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

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Imports utils, httr2

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

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Contents

get_best_stories	2
get_best_stories_ids	3

get_comments	3
get_items_by_ids	4
get_item_by_id	5
get_latest_ask_stories	5
get_latest_ask_stories_ids	6
get_latest_job_stories	7
get_latest_job_stories_ids	7
get_latest_show_stories	8
get_latest_show_stories_ids	9
get_max_item_id	9
get_new_stories	10
get_new_stories_ids	10
get_top_stories	11
get_top_stories_ids	12
get_updates	12
get_user_by_username	13
print.hn_item	13
print.hn_user	14

Index **15**

get_best_stories *Hacker News best stories*

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 *Hacker News nested comments*

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_items_by_ids *Get Hacker News by ids*

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_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_latest_ask_stories	<i>Hacker News latest ask stories</i>
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Description

Retrieves latest ask stories using Hacker News API

Usage

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

Arguments

`max_items` Maximum number of items to retrieve. If `max_items = NULL`, 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

`max_items` Maximum number of items to retrieve. If `max_items = NULL`, 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

`max_items` Maximum number of items to retrieve. If `max_items = NULL`, 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
```

Hacker News item largest id

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 *Hacker News newest stories*

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
```

get_new_stories_ids *Hacker News newest stories ids*

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
```

get_top_stories	<i>Hacker News top stories</i>
-----------------	--------------------------------

Description

Retrieves top stories using Hacker News API

Usage

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

Arguments

max_items	Maximum number of items to retrieve. If max_items = NULL, 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
```

get_top_stories_ids *Hacker News top stories ids*

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 *Hacker News updated profiles*

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 *Get Hacker News user*

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 *Print for "hn_item" type objects*

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

Index

`get_best_stories`, 2
`get_best_stories_ids`, 3
`get_comments`, 3
`get_item_by_id`, 5
`get_items_by_ids`, 4
`get_latest_ask_stories`, 5
`get_latest_ask_stories_ids`, 6
`get_latest_job_stories`, 7
`get_latest_job_stories_ids`, 7
`get_latest_show_stories`, 8
`get_latest_show_stories_ids`, 9
`get_max_item_id`, 9
`get_new_stories`, 10
`get_new_stories_ids`, 10
`get_top_stories`, 11
`get_top_stories_ids`, 12
`get_updates`, 12
`get_user_by_username`, 13

`print.hn_item`, 13
`print.hn_user`, 14