Package 'ravelRy'

October 14, 2022

Title An Interface to the 'Ravelry' API

Version 0.1.0

Description Provides access to the 'Ravelry' API <https://www.ravelry.com/groups/ravelry-api>. An R wrapper for pulling data from 'Ravelry.com', an organizational tool for crocheters, knitters, spinners, and weavers. You can retrieve pattern, yarn, author, and shop information by search or by a given id.

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Encoding UTF-8

LazyData true

Suggests spelling, testthat

Language en-US

Imports httr, jsonlite, dplyr, tibble, purrr, tidyr

RoxygenNote 6.1.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

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get_designer   *Get details for a designer*

Description

This function retrieves details for a designer using their id.

Usage

```
get_designer(id)
```

Arguments

id   designer id

Value

tibble with name, notes, count of patterns, etc.

Examples

```
## Not run: get_designer(id = 1)
```

---

get_patterns   *Get pattern details for multiple patterns*

Description

This function retrieves details for one or multiple patterns using the pattern id.

Usage

```
get_patterns(ids)
```

Arguments

ids   one or more 'pattern_id's. Tested for vectors of up to 500 ids; 100 max recommended.

Value

tibble containing pattern details, like yardage, gauge, count of comments, ratings, etc.

Examples

```
## Not run: get_patterns(ids = c(600, 601))
```

---

get_pattern_categories
Get pattern categories

Description

This function retrieves pattern categories.

Usage

```
get_pattern_categories()
```

Value

nested tibble containing levels of categories and sub-categories for patterns.

Examples

```
## Not run:  get_pattern_categories()
```

---

get_shop
Get details for a shop

Description

This function retrieves details for a shop using its id.

Usage

```
get_shop(id)
```

Arguments

id   shop id

Value

tibble containing shop info including address, contact info, and other descriptive variables.

Examples

```
## Not run: get_shop(id = 1781)
```

---

get_yarns   *Get details for multiple yarns*

Description

This function retrieves details for one or multiple yarns using the yarn id.

Usage

```
get_yarns(ids)
```

Arguments

ids   one or more 'yarn_id's

Value

tibble containing yarn details like company, gauge, grams, texture, needle sizes, ratings, etc.

Examples

```
## Not run: get_yarns(ids = c(66124,54110))
```

---

get_yarn_attribute_groups
                                   Get yarn attribute groups

Description

This function retrieves yarn attribute groups.

Usage

```
get_yarn_attribute_groups()
```

Value

tibble containing current attribute groups for yarn.

Examples

```
## Not run: get_yarn_attribute_groups()
```

---

ravelry_auth *Get or set basic authentication credentials*

Description

The API wrapper functions in this package rely on basic authentication via username and password residing in the environment variables RAVELRY_USERNAME and RAVELRY_PASSWORD. The easiest way to accomplish this is to set it in the '.Renviron' file in your home directory. If you do not have these credentials, you can create them at https://www.ravelry.com/pro/developer.

Usage

```
ravelry_auth(key = "username", overwrite = FALSE)
```

Arguments

key   the variable to set - either username or password

overwrite   overwrite the existing variable in the current environment?

Value

atomic character vector containing the username or password credential

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ravelry_get *Basic API call*

Description

This function is the base GET call to the Ravelry API.

Usage

```
ravelry_get(path, query = NULL)
```

Arguments

path   the API method to call

query   call parameters in the form of a list()

Value

API object

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search_groups   *Search groups*

Description

This function retrieves groups based on search terms.

Usage

```
search_groups(query = NULL, page = NULL, page_size = NULL,
  sort = NULL, ...)
```

Arguments

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 50
sort	options: 'best', 'added', 'favorites'
...	pass any other filter parameters available via https://www.ravelry.com/groups/search (ex. creation, gc)

Value

tibble containing group information, like name, created_at, short_description, etc.

Examples

```
## Not run: search_groups(query = 'star wars')

# with site search parameters
## Not run: search_groups(query = 'star wars', gc = 'knitting')
```

---

search_patterns   *Search for patterns*

Description

This function retrieves a list of pattern ids and basic details based on search terms.

Usage

```
search_patterns(query = NULL, page = NULL, page_size = NULL, ...)
```

Arguments

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 100
...	pass any other filter parameters available via https://www.ravelry.com/patterns/search (ex. craft, availability, photo, pa, fit, weight, etc.)

Value

tibble containing basic pattern details, some nested

Examples

```
## Not run: search_patterns(query = 'cowl')

# with site search parameters
## Not run: search_patterns(query = 'hat', page_size = 10, availability = 'free', fit = 'baby')
```

---

search_shops	*Search shops*

Description

This function retrieves shops based on search terms.

Usage

```
search_shops(query = NULL, shop_type_id = NULL, lat = NULL,
  lng = NULL, radius = NULL, units = NULL, page = NULL,
  page_size = NULL, sort = NULL)
```

Arguments

query	search string
shop_type_id	set to 1 to restrict to local stores only (filter out chains and online stores)
lat	latitude for geographic search
lng	longitude for geographic search
radius	radius for geographic search
units	units for geographic search, 'miles' or 'km'
page	result page to retrieve; defaults to 1
page_size	number of results to retrieve; defaults to 100
sort	options: 'best', 'added', 'favorites'

Value

tibble with address, social media, and other descriptive features for shops

Examples

```
## Not run: search_shops(lat = 42.35, lng = -71.05, radius = 100)
```

---

search_yarn   *Search for yarn*

Description

This function retrieves a list of basic yarn details based on search terms.

Usage

```
search_yarn(query = NULL, page = NULL, page_size = NULL,
  sort = NULL, ...)
```

Arguments

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 100
sort	options: 'best', 'rating', 'projects'
...	pass any other filter parameters available via https://www.ravelry.com/yarns/search (ex. weight, needles, photo, fiberc, ya, ratings, origin)

Value

tibble containing basic pattern details, some nested

Examples

```
## Not run: search_yarn(query = 'cascade', page_size = 10)

# using site search parameters
## Not run: search_yarn(query = 'cascade', sort = 'best', weight = 'sport', needles = '3.75mm')
```

search_yarn_companies *Search yarn companies*

Description

This function retrieves yarn companies based on search terms.

Usage

```
search_yarn_companies(query = NULL, page = NULL, page_size = NULL,
  sort = NULL, ...)
```

Arguments

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 48
sort	options: 'best'
...	pass any other filter parameters available via https://www.ravelry.com/yarns/brands/search

Value

tibble containing company details

Examples

```
## Not run: search_yarn_companies(query = 'lion')
```

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