Package ‘ravelRy’
February 19, 2020

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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R topics documented:

get_designer ................................................................. 2
get_patterns ............................................................... 2
get_pattern_categories ............................................... 3
get_shop ................................................................. 3
get_yarns ................................................................ 4
get_yarn_attribute_groups ........................................ 4
ravelry_auth .............................................................. 5
ravelry_get ............................................................... 5
search_groups ............................................................. 6
search_patterns .......................................................... 6
get_patterns

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

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.
get_pattern_categories

Value

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

Examples

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

get_pattern_categories

Get pattern categories

Description

This function retrieves pattern categories.

Usage

```r
get_pattern_categories()
```

Value

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

Examples

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

get_shop

Get details for a shop

Description

This function retrieves details for a shop using its id.

Usage

```r
get_shop(id)
```

Arguments

```r
id shop id
```

Value

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

*Get details for multiple yarns*

#### Description

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

#### Usage

```r
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

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

### get_yarn_attribute_groups

*Get yarn attribute groups*

#### Description

This function retrieves yarn attribute groups.

#### Usage

```r
get_yarn_attribute_groups()
```

#### Value

tibble containing current attribute groups for yarn.

#### Examples

```r
## 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

<table>
<thead>
<tr>
<th>key</th>
<th>the variable to set - either username or password</th>
</tr>
</thead>
<tbody>
<tr>
<td>overwrite</td>
<td>overwrite the existing variable in the current environment?</td>
</tr>
</tbody>
</table>

Value

atomic character vector containing the username or password credential

ravelry_get

Basic API call

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

Usage

ravelry_get(path, query = NULL)

Arguments

<table>
<thead>
<tr>
<th>path</th>
<th>the API method to call</th>
</tr>
</thead>
<tbody>
<tr>
<td>query</td>
<td>call parameters in the form of a list()</td>
</tr>
</tbody>
</table>

Value

API object
search_groups  

**Description**

This function retrieves groups based on search terms.

**Usage**

```r
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](https://www.ravelry.com/groups/search) (ex. creation, gc)

**Value**

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

**Examples**

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

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

search_patterns  

**Description**

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

**Usage**

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

**Examples**

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

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

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'
Search for yarn

Description

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

Usage

```r
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
- `...`: pass any other filter parameters available via [https://www.ravelry.com/yarns/search](https://www.ravelry.com/yarns/search) (ex. weight, needles, photo, fiberc, ya, ratings, origin)

Value

tibble containing basic pattern details, some nested

Examples

```r
## 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

---

**Description**

This function retrieves yarn companies based on search terms.

**Usage**

```r
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**

```r
## Not run: search_yarn_companies(query = "Varlion")
```
Index

get_designer, 2
get_pattern_categories, 3
get_patterns, 2
get_shop, 3
get_yarn_attribute_groups, 4
get_yarns, 4
ravelry_auth, 5
ravelry_get, 5
search_groups, 6
search_patterns, 6
search_shops, 7
search_yarn, 8
search_yarn_companies, 9