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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get_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**

```r
## 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.
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_yarn_attribute_groups

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**

```r
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

---

**ravelry_get**

Basic API call

**Description**

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

**Usage**

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

**Arguments**

- `path` the API method to call
- `query` call parameters in the form of a list()

**Value**

API object
### search_groups  
*Search groups*

<table>
<thead>
<tr>
<th>Description</th>
<th>This function retrieves groups based on search terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usage</td>
<td>search_groups(query = NULL, page = NULL, page_size = NULL, sort = NULL, ...)</td>
</tr>
</tbody>
</table>
| 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    |  
## 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*

<table>
<thead>
<tr>
<th>Description</th>
<th>This function retrieves a list of pattern ids and basic details based on search terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usage</td>
<td>search_patterns(query = NULL, page = NULL, page_size = NULL, ...)</td>
</tr>
<tr>
<td>Value</td>
<td></td>
</tr>
</tbody>
</table>

---
### 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](https://www.ravelry.com/patterns/search) (ex. craft, availability, photo, pa, fit, weight, etc.)

**Value**

tibble containing basic pattern details, some nested

**Examples**

```r
## 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**

```r
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

```r
## 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

```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  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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