

Package ‘WufooR’

April 20, 2017

Type Package

Title R Wrapper for the 'Wufoo.com' - The Form Building Service

Description Allows form managers to download entries from their respondents using Wufoo JSON API (<<https://www.wufoo.com>>). Additionally, the Wufoo reports - when public - can be also acquired programmatically. Note that building new forms within this package is not supported.

Version 0.6.2

Date 2017-04-18

Maintainer John Malc <cincenko@outlook.com>

Depends R (>= 3.3.3)

Imports httr (>= 1.2.0), jsonlite (>= 1.4), dplyr (>= 0.5.0)

Suggests roxygen2 (>= 6.0.1), knitr (>= 1.15.0), testthat (>= 1.0.2)

VignetteBuilder knitr

License Apache License 2.0

URL <https://github.com/dmpe/wufoor>

BugReports <https://github.com/dmpe/wufoor/issues>

RoxygenNote 6.0.1

NeedsCompilation no

Author John Malc [aut, cre] (@dmpe),
Maksim Pecherskiy [ctb] (@MrMaksimize)

Repository CRAN

Date/Publication 2017-04-20 21:27:22 UTC

R topics documented:

auth_name	2
fields_info	3
form_entries	4

form_entriesCount	5
form_entriesFromCSV	6
form_info	7
reports_info	8
user_info	9
Index	10

auth_name	<i>Authentication</i>
-----------	-----------------------

Description

Method for setting your Wufoo Name and API Key. Your Wufoo name is the subdomain of your Wufoo URL displayed in "Account" tab. For example, for <http://johnmalc.wufoo.com> -> the Wufoo_Name = "johnmalc". This can be also actually the company's name, e.g. <http://google.wufoo.com>

Your API may be found by selecting "Share" for your Form, then "API Information" (or go to <https://yourName.wufoo.com/api/code/1/>).

Usage

auth_name(x)

auth_key(x)

Arguments

x - an empty parameter, e.g. NULL

Note

Wufoo currently restricts your API usage to 5000 requests per day.

Author(s)

The code for these methods has been developed by Scott Chamberlain <https://github.com/sckott> for his <https://github.com/ropensci/rnoaa> package. His copyright!

Examples

```
options(Wufoo_Name = "johnmalc", Wufoo_API = "F1QH-Q64B-BSBI-JASJ")
```

fields_info	<i>Return details about form's fields</i>
-------------	---

Description

The Fields API describes the hierarchy of your data. At the heart of this API is the listing of FieldId values. Each FieldId corresponds to a value in the Entries API.

Usage

```
fields_info(wufoo_name = auth_name(NULL), formIdentifier = NULL,
  showRequestURL = FALSE, debugConnection = 0L, domain = "wufoo.com")
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)

formIdentifier - this will give you information about just one form. The call without the "formIdentifier" will return all forms.

showRequestURL - use only for DEBUG purposes

debugConnection - samilar as above. Either "0L" (false; default) or "1L"

domain - for thatever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu

Value

Title - The title is the friendly name you gave the field when creating your form. For example, if you were building a table with the API, the Title would be a column header.

Type - The Type represents a Wufoo field type. A listing of the these types can be found in the Field Type section of this documentation.

ID - This is the unique reference ID for your field. There will be one corresponding ID for each Entry in return value of the the Entries API.

IsRequired - This value can be one or zero, representing whether or not the field has been marked required in the Form Builder.

OtherField - This value is true or false and is only set if the field has choices. Only Multiple-Choice fields have the option of an Other field. When a Multiple-Choice field is marked as HasOtherField, the last choice is the Other field.

Note

For developers: This function returns 2 data frames. One containing only default fields, another one containing subfields as described http://help.wufoo.com/articles/en_US/SurveyMonkeyArticleType/The-Fields-API#Fancypants. "These include name, shortname, checkbox, address, and likert."

Source

Idea borrowed from [http://www.exegetic.biz/blog/2014/06/concatenating-a-list-of-data-frames \(de-funct\)](http://www.exegetic.biz/blog/2014/06/concatenating-a-list-of-data-frames-(de-funct))

Examples

```
fields_info(formIdentifier = "z5kqx7h1gtvg4g", showRequestURL = TRUE)
fields_info(formIdentifier = "z5kqx7h1gtvg4g", debugConnection = 1L)
```

form_entries	<i>Return responses of your form</i>
--------------	--------------------------------------

Description

If you have 5 submissions to your form, you'll have 5 elements (rows) in the return.

Usage

```
form_entries(wufoo_name = auth_name(NULL), formIdentifier = NULL,
  systemFields = "true", sortID = NULL, sortDirection = NULL,
  columnNames = FALSE, showRequestURL = FALSE, debugConnection = 0L,
  domain = "wufoo.com", pageStart = 0, pageSize = 25)
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)

formIdentifier - must be replaced with your form's URL or hash.

systemFields - return system fields. Default: true

sortID - sort on a single ID, as retrieved from the [fields_info](#).

sortDirection - choose to sort your entries ASC (lowest to highest) or DESC (highest to lowest).

columnNames - a MUST: How should be column names be called. Either "Field1", "Field2" etc. or "First Name", "Last Name" (tries to make best guess). Default to the second option.

showRequestURL - use only for DEBUG purposes

debugConnection - samilar as above. Either "0L" (false; default) or "1L"

domain - for thatever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu

pageStart - the page number you'd like to start from. Defaults to 0.

pageSize - the number of entries returned in your page. Defaults to 25; Max = 100.

Value

EntryId - This value is the unique identifier for your entry.

DateCreated - The date that this entry was submitted.

Created By - The person who created the entry. If submitted through a form, the value here will be public. If the submission originated in the Entry Manager this value will be the user name of the submitting user.

DateUpdated - The date that this entry was edited through the Entry Manager. If the submission has never been updated, this value will be blank.

UpdatedBy - The user name of the person who updated the entry in the Entry Manager will appear in this element.

See Also

http://help.wufoo.com/articles/en_US/SurveyMonkeyArticleType/The-Entries-GET-API

Examples

```
form_entries(formIdentifier = "z5kqx7h1gtvg4g")
form_entries(formIdentifier = "z5kqx7h1gtvg4g", systemFields = "false", showRequestURL = TRUE)
```

form_entriesCount	<i>Return number of responses to your form</i>
-------------------	--

Description

Return number of responses to your form

Usage

```
form_entriesCount(wufoo_name = auth_name(NULL), formIdentifier = NULL,
  showRequestURL = FALSE, debugConnection = 0L, domain = "wufoo.com")
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)

formIdentifier - this will give you information about just one form. The call without the "formIdentifier" will return all forms.

showRequestURL - use only for DEBUG purposes

debugConnection - similar as above. Either "0L" (false; default) or "1L"

domain - for whatever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu

Value

EntryCount - number of entries

See Also

http://help.wufoo.com/articles/en_US/SurveyMonkeyArticleType/The-Entries-GET-API#entrycount

Examples

```
form_entriesCount(formIdentifier = "z5kqx7h1gtvg4g", showRequestURL = TRUE)
```

form_entriesFromCSV *Return responses of your form, from CSV format*

Description

This function imports your report csv file as a data frame from the report csv export url (example url below). The report must be public and not protected. To verify your report csv export url, browse to your report, select "Export" then hover over the "Commas (.csv)" option. Please note that the name of your report will be in lowercase with spaces replaced with hyphens. For example, the report titled "My Example Report" will be "my-example-report" in the URL as shown below. E.g. <https://YourName.wufoo.com/export/reports/manager/NameOfYourReport.csv>

Usage

```
form_entriesFromCSV(wufoo_name = auth_name(NULL), reportName = NULL,
  showRequestURL = FALSE, debugConnection = 0L, domain = "wufoo.com")
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)

reportName - the name of your report as displayed in the csv export URL (which is in lowercase with hyphens replacing spaces of your report name). Do not use the hash value for this argument. The report should be also public.

showRequestURL - use only for DEBUG purposes

debugConnection - similar as above. Either "0L" (false; default) or "1L"

domain - for whatever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu

Examples

```
## Not run:
options(Wufoo_Name = "johnmalc", Wufoo_API = "F1QH-Q64B-BSBI-JASJ")
df_csv <- form_entriesFromCSV(reportName = "untitled-report", showRequestURL = F)
View(df_csv)

## End(Not run)
```

form_info

Return details about the forms you have permission to access.

Description

This API can be used to create a list of all forms belonging to a user and dynamically generate a form embed snippet to use in your application.

Usage

```
form_info(wufoo_name = auth_name(NULL), formIdentifier = NULL,
  includeTodayCount = "false", showRequestURL = FALSE,
  debugConnection = 0L, domain = "wufoo.com")
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)

formIdentifier - this will give you information about just one form. The call without the "formIdentifier" will return all forms.

includeTodayCount - Will give you today's entry count for the form.

showRequestURL - use only for DEBUG purposes

debugConnection - similar as above. Either "0L" (false; default) or "1L"

domain - for that ever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu

Value

http://help.wufoo.com/articles/en_US/SurveyMonkeyArticleType/The-Forms-API

Examples

```
form_info()
```

 reports_info

Return details about the reports you have permission to view.

Description

Return details about the reports you have permission to view.

Usage

```
reports_info(wufoo_name = auth_name(NULL), domain = "wufoo.com",
  reportName = NULL, showRequestURL = FALSE, debugConnection = 0L)
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)

domain - for whatever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu

reportName - the name of your report as displayed in the csv export URL (which is in lowercase with hyphens replacing spaces of your report name). Do not use the hash value for this argument. The report should be also public.

showRequestURL - use only for DEBUG purposes

debugConnection - similar as above. Either "0L" (false; default) or "1L"

Value

Name - This is the friendly name you chose when creating this form.

IsPublic - Indicates whether or not the report is accessible through the Url by the general public. This value is binary (1 = true, 0 = false).

Url - This is the URL for your form. Beware using the URL for API or linking purposes because it changes with the report title.

Description - Your description of the report.

DateCreated - A timestamp of when the report was created.

DateUpdated - A timestamp of when the report was last edited in the Wufoo Report Builder.

Hash - An unchanging hashed value unique to this report on this user's account.

Examples

```
reports_info(showRequestURL = TRUE)
reports_info(reportName = "untitled-report")
```

user_info	<i>Return information about the user</i>
-----------	--

Description

Shows information about the user.

Usage

```
user_info(wufoo_name = auth_name(NULL), domain = "wufoo.com",  
          showRequestURL = FALSE, debugConnection = 0L)
```

Arguments

wufoo_name - User's Name. Default: [auth_name](#)
domain - for that ever reason domain's ccTLD may change. With this param you can change default wufoo.com to another one such as wufoo.eu
showRequestURL - use only for DEBUG purposes
debugConnection - similar as above. Either "0L" (false; default) or "1L"

Value

http://help.wufoo.com/articles/en_US/SurveyMonkeyArticleType/The-Users-API

References

wufoo_api - User's API Key. Default: [auth_key](#).

Examples

```
user_info(debugConnection = 1L, domain = "wufoo.eu")
```

Index

auth_key, [9](#)
auth_key (auth_name), [2](#)
auth_name, [2](#), [3-9](#)

fields_info, [3](#), [4](#)
form_entries, [4](#)
form_entriesCount, [5](#)
form_entriesFromCSV, [6](#)
form_info, [7](#)

reports_info, [8](#)

user_info, [9](#)