Package 'RColetum'

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Type Package

Title Access your Coletum's Data from API

Version 0.2.2

Maintainer André Smaniotto <smaniotto@geosapiens.com.br>

Description Get your data (forms, structures, answers) from Coletum
<https://coletum.com> to handle and analyse.

License LGPL-3

URL https://github.com/geo-sapiens/RColetum

BugReports https://github.com/geo-sapiens/RColetum/issues

Encoding UTF-8

Imports httr, jsonlite, dplyr, stats

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Suggests testthat

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Author André Smaniotto [aut, cre],
Marcelo Magnani [aut],
Rodrigo Sant'Ana [aut],
GeoSapiens [cph, fnd]

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R topics documented:

RColetum-package   *RColetum*

Description

An R package to get data from Coletum.

RColetum functions

The currents functions that are provide by **RColetum** are:

- `GetForms`: get the information about all forms.

- `GetFormStructure`: get the form structure of a form.

- `GetAnswers`: get the all the answers of a form or personalize with filters and take just what you need.

Author(s)

Maintainer: André Smaniotto <smaniotto@geosapiens.com.br>

Authors:

- Marcelo Magnani <marcelo@geosapiens.com.br>

- Rodrigo Sant'Ana <oc.rodrigosantana@gmail.com>

Other contributors:

- GeoSapiens [copyright holder, funder]

See Also

Useful links:

- https://github.com/geo-sapiens/RColetum

- Report bugs at https://github.com/geo-sapiens/RColetum/issues

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GetAnswers   *Get all the answers of a form.*

Description

Get all the currents answers of a specific form. This function makes a call to GetFormStructure and spent 2 quotas.

Usage

```
GetAnswers(token, idForm, nameForm = NULL, singleDataFrame = FALSE,
  source = NULL, createdAfter = NULL, createdBefore = NULL,
  createdDeviceAfter = NULL, createdDeviceBefore = NULL,
  updatedAfter = NULL, updatedBefore = NULL)
```

Arguments

token	String access token.
idForm	Numeric Id of the required form.
nameForm	String name of the required form. Just is used when an idForm is not supplied. When this parameter is used, are spent extra one access quota.
singleDataFrame	
	Boolean flag. Indicates the preference to create a single data frame with all the answers. In this case, is possible to have repeated values, according to the multiplicity of relationships.
source	Optional filter. Is the the source of the answer and can use "web_public", "web_private" or "mobile".
createdAfter	Optional filter. This parameter filters the answers that were answered after this date. Is acceptable in the ISO8601 format ("YYYY-MM-DD" or "YYYY-MM-DDThh:mm:ssTZD").
createdBefore	Optional filter. This parameter filters the answers that were answered before this date. Is acceptable in the ISO8601 format ("YYYY-MM-DD" or "YYYY-MM-DDThh:mm:ssTZD").
createdDeviceAfter	
	Optional filter. This parameter filters the answers that were answered after this date on device time. Is acceptable in the ISO8601 format ("YYYY-MM-DD" or "YYYY-MM-DDThh:mm:ssTZD").
createdDeviceBefore	
	Optional filter. This parameter filters the answers that were answered before this date on device time. Is acceptable in the ISO8601 format ("YYYY-MM-DD" or "YYYY-MM-DDThh:mm:ssTZD").
updatedAfter	Optional filter. This parameter filters the answers that were updated after this date. Is acceptable in the ISO8601 format ("YYYY-MM-DD" or "YYYY-MM-DDThh:mm:ssTZD").

updatedBefore   Optional filter. This parameter filters the answers that were updated before this
date. Is acceptable in the ISO8601 format ("YYYY-MM-DD" or "YYYY-MM-
DDThh:mm:ssTZD").

Details

To get more details about the fields provided by the result, please visit the [API documentation](#).

Value

A list, with one or more data frames.

Examples

```
GetAnswers("cizio7xeohwgc8k4g4koo008kkoocwg", 5705)
GetAnswers("cizio7xeohwgc8k4g4koo008kkoocwg", ,"RColetum Test - Iris", TRUE)
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           nameForm = "RColetum Test - Iris")
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           idForm = 5705,
           source = NULL,
           createdAfter = "2012-12-20",
           createdBefore = "2018-12-20"
           )
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           idForm = 5705,
           source = NULL,
           createdAfter = "2012-12-20",
           createdBefore = "2018-12-20T19:20:30+01:00"
           )
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           idForm = 5705,
           source = NULL,
           createdAfter = "2012-12-20T19:20:30Z",
           createdBefore = "2018-12-20T19:20:30+01:00"
           )
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           idForm = 5705,
           source = "web_public",
           createdAfter = "2012-12-20T19:20:30+01:00",
           createdBefore = "2018-12-20T19:20:30+01:00"
           )
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           idForm = 5705,
           singleDataFrame = TRUE,
           source = "web_private",
           createdAfter = "2012-12-20T19:20:30Z",
           createdBefore = "2018-12-20T19:20:30Z"
           )
GetAnswers(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
           idForm = 5705,
```

```
              singleDataFrame = TRUE,
              source = "web_private",
              createdAfter = "2012-12-20T19:20:30Z",
              createdBefore = "2018-12-20T19:20:30Z",
              createdDeviceAfter = "2012-12-20T19:20:30Z",
              createdDeviceBefore = "2018-12-20T19:20:30Z",
              updatedAfter = "2018-05-20T19:20:30Z",
              updatedBefore = "2018-06-20T19:20:30Z"
              )
```

GetForms   *Get info of all forms.*

Description

Get the principals info of all forms.

Usage

```
GetForms(token, status = NULL, publicAnswers = NULL,
  answerTracking = NULL)
```

Arguments

token	String access token.
status	Optional filter. That is the state of the form: accept "enabled" or "disabled".
publicAnswers	Optional filter. Indicates if the form is public or not, is possible to use "true" or "false".
answerTracking	Optional filter. Indicates if the form is saving the local of fill, is possible use "true" or "false".

Details

To get more details about the fields provided by the result, please visit the API documentation.

Value

A data frame.

Examples

```
GetForms("cizio7xeohwgc8k4g4koo008kkoocwg")
GetForms("cizio7xeohwgc8k4g4koo008kkoocwg","enabled","true","true")
GetForms(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
          status = "enabled",
          publicAnswers = "false",
          answerTracking = "true"
        )
```

GetFormStructure   *Get the form structure of a form.*

Description

Get the structure of the questions of a specific form in the shape a nested data frame, that contains all the needed information to request the answers of the form.

Usage

```
GetFormStructure(token, idForm, nameForm = NULL, componentId = NULL)
```

Arguments

token	A string access token.
idForm	Numeric Id of the required form.
nameForm	String name of the required form. Just is used when an idForm are not supplied. When this parameter is used, are spent extra one access quota.
componentId	Optional filter. That is the field identifier, it's possible use to filter to get a specific field.

Details

To get more details about the fields provided by the result, please visit the API documentation.

Value

A possible nested data frame.

Examples

```
GetFormStructure("cizio7xeohwgc8k4g4koo008kkoocwg", 5705)
GetFormStructure("cizio7xeohwgc8k4g4koo008kkoocwg", , "RColetum Test - Iris")
GetFormStructure(token = "cizio7xeohwgc8k4g4koo008kkoocwg",
                 nameForm = "RColetum Test - Iris")
```

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