Package ‘RColetum’

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Type Package
Title Access your Coletum’s Data from API
Version 0.2.2
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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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Repository CRAN
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R topics documented:

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Description

An R package to get data from Coletum.

RColetum functions

The currents functions that 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.

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See Also

Useful links:

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

Get all the answers of a form.

Description
Get all the current 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

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>token</td>
<td>String access token.</td>
</tr>
<tr>
<td>idForm</td>
<td>Numeric Id of the required form.</td>
</tr>
<tr>
<td>nameForm</td>
<td>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.</td>
</tr>
<tr>
<td>singleDataFrame</td>
<td>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.</td>
</tr>
<tr>
<td>source</td>
<td>Optional filter. Is the source of the answer and can use &quot;web_public&quot;, &quot;web_private&quot; or &quot;mobile&quot;.</td>
</tr>
<tr>
<td>createdAfter</td>
<td>Optional filter. This parameter filters the answers that were answered after this date. Is acceptable in the ISO8601 format (&quot;YYYY-MM-DD&quot; or &quot;YYYY-MM-DDThh:mm:ssTZD&quot;).</td>
</tr>
<tr>
<td>createdBefore</td>
<td>Optional filter. This parameter filters the answers that were answered before this date. Is acceptable in the ISO8601 format (&quot;YYYY-MM-DD&quot; or &quot;YYYY-MM-DDThh:mm:ssTZD&quot;).</td>
</tr>
<tr>
<td>createdDeviceAfter</td>
<td>Optional filter. This parameter filters the answers that were answered after this date on device time. Is acceptable in the ISO8601 format (&quot;YYYY-MM-DD&quot; or &quot;YYYY-MM-DDThh:mm:ssTZD&quot;).</td>
</tr>
<tr>
<td>createdDeviceBefore</td>
<td>Optional filter. This parameter filters the answers that were answered before this date on device time. Is acceptable in the ISO8601 format (&quot;YYYY-MM-DD&quot; or &quot;YYYY-MM-DDThh:mm:ssTZD&quot;).</td>
</tr>
<tr>
<td>updatedAfter</td>
<td>Optional filter. This parameter filters the answers that were updated after this date. Is acceptable in the ISO8601 format (&quot;YYYY-MM-DD&quot; or &quot;YYYY-MM-DDThh:mm:ssTZD&quot;).</td>
</tr>
</tbody>
</table>
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("cizio7xehwgc8k4g4koo008kkooocwg", 5705)
GetAnswers("cizio7xehwgc8k4g4koo008kkooocwg", "RColetum Test - Iris", TRUE)
GetAnswers(token = "cizio7xehwgc8k4g4koo008kkooocwg", nameForm = "RColetum Test - Iris")
GetAnswers(token = "cizio7xehwgc8k4g4koo008kkooocwg", idForm = 5705, source = NULL, createdAfter = "2012-12-20", createdBefore = "2018-12-20")
GetAnswers(token = "cizio7xehwgc8k4g4koo008kkooocwg", idForm = 5705, source = NULL, createdAfter = "2012-12-20", createdBefore = "2018-12-20T19:20:30+01:00")
GetAnswers(token = "cizio7xehwgc8k4g4koo008kkooocwg", idForm = 5705, source = "web_public", createdAfter = "2012-12-20T19:20:30+01:00", createdBefore = "2018-12-20T19:20:30+01:00")
GetAnswers(token = "cizio7xehwgc8k4g4koo008kkooocwg", idForm = 5705, singleDataFrame = TRUE, source = "web_private", createdAfter = "2012-12-20T19:20:30Z", createdBefore = "2018-12-20T19:20:30Z")
GetAnswers(token = "cizio7xehwgc8k4g4koo008kkooocwg", idForm = 5705,
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.
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("cizio7xeohwgc8k4g4koo008kkooocwg", 5705)
GetFormStructure("cizio7xeohwgc8k4g4koo008kkooocwg", "RColetum Test - Iris")
GetFormStructure(token = "cizio7xeohwgc8k4g4koo008kkooocwg", nameForm = "RColetum Test - Iris")
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