Package ‘captr’

October 12, 2022

Title    Client for the Captricity API
Version  0.3.0
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Description Get text from images of text using Captricity Optical Character Recognition (OCR) API. Captricity allows you to get text from handwritten forms --- think surveys --- and other structured paper documents. And it can output data in form a delimited file keeping field information intact. For more information, read <https://shreddr.captricity.com/developer/overview/>.

URL  http://github.com/soodoku/captR
BugReports http://github.com/soodoku/captR/issues
Depends  R (>= 3.2.0)
License  MIT + file LICENSE
LazyData  true
VignetteBuilder knitr
Imports  curl, jsonlite
Suggests  testthat, rmarkdown, knitr (>= 1.11)
RoxygenNote  6.0.1
NeedsCompilation  no
Author  Gaurav Sood [aut, cre]
Repository  CRAN
Date/Publication  2017-04-15 20:29:34 UTC

R topics documented:
captr-package .......................................................... 2
batch_price ............................................................ 2
captr_CHECKAUTH ..................................................... 3
captr_DELETE .......................................................... 3
captr_GET .............................................................. 4
captr_POST ............................................................. 4
batch_price

create_batch .......................................................... 5
delete_batch .......................................................... 5
delete_job ............................................................. 6
get_all ................................................................. 7
get_batch_details ..................................................... 7
get_instance_set ...................................................... 8
get_template_id ....................................................... 9
list_batches .......................................................... 9
list_batch_files ..................................................... 10
list_docs .............................................................. 11
list_instance_sets .................................................. 12
list_jobs ............................................................. 12
set_batch_template .................................................. 13
set_token ............................................................. 13
submit_batch ........................................................ 14
test_readiness ....................................................... 15
track_progress ....................................................... 15
upload_image ........................................................ 16
user_profile ........................................................ 16

Index

Description

OCR images and forms. See https://captricity.com/. Details about results of calls to the API can be found at https://shreddr.captricity.com/developer/.

Your need credentials to use this application. If you haven’t already, you can get this at https://shreddr.captricity.com/developer/.

Author(s)

Gaurav Sood

batch_price

Price of a Batch

Description

The price for processing the batch.

Usage

batch_price(batch_id = NULL, ...)
**captr_CHECKAUTH**

**Arguments**

- **batch_id**
  - ID for the batch; **Required**; **String**.
- ...
  - Additional arguments passed to `captr_GET`.

**Value**

named list

**References**

https://shreddr.captricity.com/developer/

**Examples**

```r
## Not run:
batch_price("batch_id")

## End(Not run)
```

---

**captr_CHECKAUTH**  
*Check if authentication information is there*

**Description**

Check if authentication information is there

**Usage**

```r
captr_CHECKAUTH()
```

---

**captr_DELETE**  
*DELETE*

**Description**

DELETE

**Usage**

```r
captr_DELETE(path = ", query = NULL, ...)
```

**Arguments**

- **path**
  - path to specific API request URL
- **query**
  - query list
- ...
  - Additional arguments passed to `curl_fetch_memory`. 
<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
<th>Usage</th>
<th>Arguments</th>
<th>Value</th>
</tr>
</thead>
</table>
| **GET** | GET | captr\_GET(path = ", query = NULL, ...)
| | | path | path to specific API request URL |
| | | query | query list |
| | | ... | Additional arguments passed to curl\_fetch\_memory. |
| **POST** | POST | captr\_POST(path = ", query = NULL, ...)
| | | path | path to specific API request URL |
| | | query | query list |
| | | ... | Additional arguments passed to curl\_fetch\_memory. |
create_batch

Create Batch

Description
Create a new batch.

Usage
create_batch(batch_name = NULL, ...)

Arguments
- batch_name: name of the batch; Required; character
- ...: Additional arguments passed to captr_POST.

Value
List of length 26. Includes information like created_by, user_id, etc.

References
https://shreddr.captricity.com/developer/api-reference/#v1-batch

Examples
## Not run:
create_batch(batch_name = "name_of_batch")
## End(Not run)

delete_batch
Delete a Batch

Description
Delete a Batch

Usage
delete_batch(batch_id = ",", ...)

Arguments
- batch_id: ID for the batch
- ...: Additional arguments passed to captr_DELETE.
References

https://shreddr.captricity.com/developer/api-reference/#v1-batches

Examples

```r
## Not run:
delete_job("job_id")
## End(Not run)
```

---

**delete_job**  
*Delete a Job*

**Description**

Delete a Job

**Usage**

```r
delete_job(job_id = "", ...)
```

**Arguments**

- **job_id**: ID for the job (which you get from related_job_id field of submit_batch)
- **...**: Additional arguments passed to `captr_DELETE`.

**References**

https://shreddr.captricity.com/developer/api-reference/#v1-batches

**Examples**

```r
## Not run:
delete_job("job_id")
## End(Not run)
```
**get_all**  
*Get All the Data For a Particular Job in a csv*

**Description**
Get all the data

**Usage**
```r
get_all(job_id = "", output_dir = "/")
```

**Arguments**
- **job_id**: ID for the job
- **output_dir**: output directory

**References**
[https://shreddr.captricity.com/developer/](https://shreddr.captricity.com/developer/)

**Examples**
```r
## Not run:
get_all(job_id = "job_id")
## End(Not run)
```

---

**get_batch_details**  
*Get Details of a particular batch*

**Description**
Get details such as who the batch was created by, user id of the creator, name of the batch, whether or not the batch has been submitted for processing, files in the batch, etc.

**Usage**
```r
get_batch_details(batch_id = "", ...)
```

**Arguments**
- **batch_id**: ID for the batch
- **...**: Additional arguments passed to `captr_GET`.

**Value**
- list of length 26.
References

https://shreddr.captricity.com/developer/api-reference/#v1-batch

Examples

```r
## Not run:
get_instance_set("instance_set_id")
## End(Not run)
```

---

get_instance_set | Get Instance Set

**Description**

If you are interested in getting data from one particular form, use this function.

**Usage**

```r
get_instance_set(instance_set_id = "", ...)  
```

**Arguments**

- `instance_set_id`
  - ID for the form (instance_set) (which you get from list_instance_sets)
- `...`
  - Additional arguments passed to `captr_GET`.

**References**

https://shreddr.captricity.com/developer/

**Examples**

```r
## Not run:
get_instance_set("instance_set_id")
## End(Not run)
```
### get_template_id

**Set Template ID**

**Description**

To digitize documents, create a template using the Captricity Web UI at [https://shreddr.captricity.com/job/](https://shreddr.captricity.com/job/) The template tells Captricity which data to get from where in the document.

**Usage**

```r
get_template_id(...)  
```

**Arguments**

```r
...  
```

Additional arguments passed to `captr_GET`.

**Details**

Get the template ids of all the documents

**Value**

named list

**References**

[https://shreddr.captricity.com/developer/](https://shreddr.captricity.com/developer/)

**Examples**

```r
## Not run:  
get_template_id()  
## End(Not run)
```

---

### list_batches

**List Batches**

**Description**

A list of batches owned by the calling account.

**Usage**

```r
list_batches(...)  
```
list_batch_files

Arguments

Additional arguments passed to captr_GET.

Value

named list. Prints number of batches by default. Named list has 15 items: total_batch_cost_in_fields, user_included_fields_per_page, can_be_priced, user_pay_go_fields_applied, page_count, total_user_cost_in_cents, user_subscription_fields_applied, user_subscription_fields_per_month, overage_field_count, total_user_cost_in_fields, batch_id, user_subscription_fields, user_pay_go_fields, user_fields_per_overage_field, user_fields_per_page

References

https://shreddr.captricity.com/developer/api-reference/#v1-batches

Examples

## Not run:
list_batches()

## End(Not run)

list_batch_files List all the files in a batch

Description

List all the files in a batch

Usage

list_batch_files(batch_id = "", ...)
list_docs

Examples

```r
## Not run:
list_batch_files("batch_id")

## End(Not run)
```

---

**list_docs**  
*List Documents*

---

**Description**

A list of document resources owned by the calling account.

**Usage**

`list_docs(...)`

**Arguments**

```r
...
```

Additional arguments passed to `captr_GET`.

**Value**

`data.frame` Prints total number of documents by default.

**References**


**Examples**

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

## End(Not run)
```
### list_instance_sets  
**List Instance Sets**

**Description**

List all the forms (instance sets) for a particular job. Use this to get ids of forms (instance sets) you want to download.

**Usage**

```r
gist_instance_sets(job_id = "", ...)```

**Arguments**

- `job_id` ID for the job (which you get from related_job_id field of submit_batch)
- `...` Additional arguments passed to `captr_GET`.

**References**

https://shreddr.captricity.com/developer/

**Examples**

```r
## Not run:
list_instance_sets(job_id = "job_id")

## End(Not run)
```

### list_jobs  
**List Jobs**

**Description**

A list of jobs owned by the calling account.

**Usage**

```r
gist_jobs(...)```

**Arguments**

- `...` Additional arguments passed to `captr_GET`.

**References**

https://shreddr.captricity.com/developer/api-reference/#v1-jobs
set_batch_template

Examples

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

## End(Not run)
```

set_batch_template Assign Template ID to a Batch

Description

To digitize documents, create a template using the Captricity Web UI at `https://shreddr.captricity.com/job/` The template tells Captricity which data to get from where in the document. Set the relevant document id using this function.

Usage

```r
set_batch_template(batch_id = "", template_id = "")
```

Arguments

- `batch_id` Batch ID
- `template_id` ID for the template

References

`https://shreddr.captricity.com/developer/`

Examples

```r
## Not run:
set_batch_template("batch_id", template_id)

## End(Not run)
```

set_token Sets Application Token

Description

Captricity requires an application token to use the API. Get the token from `https://shreddr.captricity.com/`. The function looks for `CaptricityToken` in the environment. If it doesn’t find it or if change is forced, it looks for arguments passed in the function. If it fails to find that, it asks for input.
submit_token

Usage
set_token(app_token = NULL, force = FALSE)

Arguments
app_token Application token. Get these from https://shreddr.captricity.com/developer/.
force Force change the CaptricityToken stored in the environment

Details
Run this function before anything else.

References
https://shreddr.captricity.com/developer/

Examples
## Not run:
set_token("app_token")
## End(Not run)

submit_batch
Submit the Batch for Processing

Description
Submit the Batch for Processing

Usage
submit_batch(batch_id = ",", ...)

Arguments
batch_id ID for the batch. Required. String.
... Additional arguments passed to captr_POST.

References
https://shreddr.captricity.com/developer/

Examples
## Not run:
submit_batch("batch_id")
## End(Not run)
test_readiness  

Test Readiness of a Batch

Description
Check if the batch is ready to be processed

Usage
test_readiness(batch_id = "", ...)

Arguments
batch_id  ID for the batch. Required. String.
...  Additional arguments passed to captr_GET.

References
https://shreddr.captricity.com/developer/

Examples

## Not run:
test_readiness("batch_id")

## End(Not run)

track_progress  

Track Progress of a Job

Description
Check what percentage of the job is digitized

Usage
track_progress(job_id = "")

Arguments
job_id  ID for the job (which you get from related_job_id field of submit_batch)

References
https://shreddr.captricity.com/developer/
### upload_image

*Upload Image*

**Description**

Upload an image to captricity.

**Usage**

```r
upload_image(batch_id = "", path_to_image = "", ...)  
```

**Arguments**

- **batch_id**: ID for the batch
- **path_to_image**: Path to the image you want OCRd
- **...**: Additional arguments passed to `captr_POST`.

**References**

[https://shreddr.captricity.com/developer/](https://shreddr.captricity.com/developer/)

**Examples**

```r
## Not run:  
upload_image("batch_id", "path_to_image")  
## End(Not run)
```

### user_profile

*User Profile*

**Description**

Provides account information for the provided API Token.

**Usage**

```r
user_profile(...)  
```
Arguments

... Additional arguments passed to `captr_GET`.

Value

named list with the following elements: `username`, `deny_batch_submission_for_digitization`, `account_balance`, `user_id`, `enrolled_subscription_is_annualized`, `enrolled_subscription`, `enrolled_subscription_is_trial`, `trial_eligible`, `remaining_quota`

References

https://shreddr.captricity.com/developer/api-reference/#v1-user_profile

Examples

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

## End(Not run)
```
Index

* Application
  set_token, 13
* Sets
  set_token, 13
* Token
  set_token, 13

batch_price, 2

captr (captr-package), 2
captr-package, 2
captr_CHECKAUTH, 3
captr_DELETE, 3, 5, 6
captr_GET, 3, 4, 7–12, 15, 17
captr_POST, 4, 5, 14, 16
create_batch, 5
curl_fetch_memory, 3, 4
delete_batch, 5
delete_job, 6

get_all, 7
get_batch_details, 7
get_instance_set, 8
get_template_id, 9

list_batch_files, 10
list_batches, 9
list_docs, 11
list_instance_sets, 12
list_jobs, 12

set_batch_template, 13
set_token, 13
submit_batch, 14

test_readiness, 15
track_progress, 15

upload_image, 16
user_profile, 16