Package ‘captr’

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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)
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LazyData true

VignetteBuilder knitr

Imports curl, jsonlite

Suggests testthat, rmarkdown, knitr (>= 1.11)

RoxygenNote 6.0.1

NeedsCompilation no

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Repository CRAN

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captr-package  captr: R Client for the Capticrity API

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)
```

capr CHECKAUTH  
**Check if authentication information is there**

Description

Check if authentication information is there

Usage

capr CHECKAUTH()

capr DELETE  
**DELETE**

Description

DELETE

Usage

capr DELETE(path = ", query = NULL, ...)

Arguments

- path: path to specific API request URL
- query: query list
  Additional arguments passed to curl_fetch_memory.
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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.
delete_job

References

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

Examples

```bash
## Not run:
delete_job("batch_id")

## End(Not run)
```

delete_job

Delete a Job

Description

Delete a Job

Usage

```bash
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

```bash
## 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
```python
get_all(job_id = "", output_dir = "/")
```

Arguments
- `job_id`                   ID for the job
- `output_dir`              output directory

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

Examples
```python
## 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
```python
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

## Not run:
get_batch_details("batch_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

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

## Not run:
get_instance_set("instance_set_id")

## End(Not run)
get_template_id

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.

Usage
get_template_id(...)

Arguments
... Additional arguments passed to captr GET.

Details
Get the template ids of all the documents

Value
named list

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

Examples
```
## Not run:
get_template_id()

## End(Not run)
```

list_batches

Description
A list of batches owned by the calling account.

Usage
list_batches(...)
Arguments

...  Additional arguments passed to \texttt{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, ... 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)

---

\textbf{list\_batch\_files}  \textit{List all the files in a batch}

\textbf{Description}

List all the files in a batch

\textbf{Usage}

\begin{verbatim}
list\_batch\_files(batch\_id = ",", ...)
\end{verbatim}

\textbf{Arguments}

\begin{itemize}
  \item \texttt{batch\_id}  ID for the batch; Required; String
  \item \texttt{...}  Additional arguments passed to \texttt{captr\_GET}.
\end{itemize}

\textbf{Value}

list. If no files in a batch, an empty list

\textbf{References}

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

\textbf{Examples}

## Not run:
list\_batch\_files("batch\_id")

## End(Not run)
list_docs  

**Description**

A list of document resources owned by the calling account.

**Usage**

```r
list_docs(...)
```

**Arguments**

```r
...
```

Additional arguments passed to `captr_GET`.

**Value**

```r
data.frame
```

Prints total number of documents by default.

**References**


**Examples**

```r
# Not run:
list_docs()

# End(Not run)
```

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
list_instance_sets(job_id = "", ...)
```

**Arguments**

```r
job_id
```

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

```r
...
```

Additional arguments passed to `captr_GET`.
List Jobs

Description
A list of jobs owned by the calling account.

Usage
```
list_jobs()
```

Arguments
```
...
```
Additional arguments passed to `captr_GET`.

References
https://shreddr.capricity.com/developer/api-reference/#v1-jobs

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

## End(Not run)
```
```
## 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
```python
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
```python
## 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 functions looks for CapricityToken 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.

Usage
```python
set_token(app_token = NULL, force = FALSE)
```

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

Details
Run this function before anything else.

References

https://shreddie capacitoricity.com/developer/

Examples

```r
## Not run:
set_token("app_token")
## End(Not run)
```

submit_batch

Submit the Batch for Processing

Description
Submit the Batch for Processing

Usage

```r
submit_batch(batch_id = ", ...
```

Arguments

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

References

https://shreddie capacitoricity.com/developer/

Examples

```r
## 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**

```python
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/](https://shreddr.captricity.com/developer/)

**Examples**

```python
## 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**

```python
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/](https://shreddr.captricity.com/developer/)
upload_image  
*Upload Image*

**Description**

Upload an image to captricity.

**Usage**

```python
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**

```python
# 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**

```python
user_profile(...)  
```
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, trial_eligible, remaining_quota

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

Examples
## Not run:
user_profile()

## End(Not run)
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