

Package ‘upwaver’

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Type Package

Title Access 'Upwave' API

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Description 'Upwave' <<https://www.upwave.io/>> is a task management app organising tasks on boards and cards. 'upwaver' is a wrapper around the 'Upwave' API <<https://upwavehq.github.io/api/>> that allows listing and updating those boards and cards.

Imports assertthat, httr, rjson, XLConnect, xlsx

License GPL-3

LazyData TRUE

RoxygenNote 6.0.1

Suggests testthat, knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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R topics documented:

aufwand	2
board2excel	2
board_details	3
content_as_list	4
create_card_from_excel	4
list_boards	5
list_cards	5
request	6

storypoints_and_status	7
storypoints_and_status_released	7

Index	9
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aufwand	<i>Calculates the effort of a given card (given by its description)</i>
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Description

aufwand() parses the description of a card for tags like "Aufwand: 10 AT" or "Aufwand: 10 SP".

Usage

aufwand(description)

Arguments

description A string extracted from an 'Upwave' card

Value

An integer

board2excel	<i>Save all information from a board to Excel</i>
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Description

Save all information from a board to Excel

Usage

board2excel(organisation, board_id, token, filename, path)

Arguments

organisation	A character
board_id	A character
token	A character
filename	A character
path	A character

Examples

```
## Not run:
organisation <- "4597"
board_id <- 14351
token_sqc <- "807a0c3451c04602b4dbfdc0338a65f7"
upwaver::board2excel(organisation, board_id, token_sqc, "test.xlsx", "C:/Temp/")

## End(Not run)
```

board_details	<i>Information about a specific board</i>
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Description

board_details() is a wrapper around "board_details" as specified in the 'Upwave' API <https://www.upwave.io/api/>. It returns detailed information about a specific board such as id, title, purpose, background image, creation time, creator, columns, rows and colors.

Usage

```
board_details(organisation, board_id, token)
```

Arguments

organisation	A character. The name of the organisation as specified in the URL: <a href="https://<organisation>.upwave.io">https://<organisation>.upwave.io
board_id	An integer. The number of the board you want to inspect as specified in the URL: <a href="https://<organisation>.upwave.io/board/<board_id>/view/">https://<organisation>.upwave.io/board/<board_id>/view/
token	A character. The API token to access boards on upwave.io. The token can be obtained by visiting your account settings. Click your profile image, select "Settings" and find your API-Key in the "Account" tab.

Value

A list

Examples

```
board_details("4597", 14351, "807a0c3451c04602b4dbfdc0338a65f7")
```

content_as_list	<i>Transform the answer of a 'Upwave' API request to a list</i>
-----------------	---

Description

content_as_list() is an internal function that extracts content from a request and coerces it to a list format

Usage

```
content_as_list(response)
```

Arguments

response	An object of class "response"; response of a GET request
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Value

A list

create_card_from_excel	<i>Create a new card on a specified 'Upwave' board</i>
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Description

create_card_from_excel() adds a new card in the most-left column of the given board. The Information of the card are taken from an excel file.

Usage

```
create_card_from_excel(excel_file, sheet, line_number, organisation, board_id,
  board_name, token)
```

Arguments

excel_file	A character. The path to an excel-file providing informations for user-stories; expected columns: US-ID, name, description
sheet	An integer or a character. The sheet of the excel-file providing informations for user-stories; expected columns: US-ID, name, description
line_number	An integer. The line number in the spreadsheet starting from 1
organisation	A character. The name of the organisation as specified in the URL: https://<organisation>.upwave.io
board_id	An integer. The board number, the card has to be created in
board_name	A character. The board name, the card has to be created in
token	A character. The API token to access boards on upwave.io. The token can be obtained by visiting your account settings. Click your profile image, select "Settings" and find your API-Key in the "Account" tab.

Examples

```
## Not run: create_card_from_excel(excel_file = "path_to_your_excel_file", sheet = (sheetno. or sheetname),  
line_number = linenr, organisation = "your_organisation", board_id = your_board_id,  
board_name = "your_board_name", "token = your_api_token")  
## End(Not run)
```

list_boards	<i>Information about your organisation's boards</i>
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Description

list_boards() is a wrapper around "List Boards" as specified in the 'Upwave' API <https://www.upwave.io/api/>. It returns information for your organisation's boards as id's, title's, time of creation and the users who created the boards.

Usage

```
list_boards(organisation, token)
```

Arguments

organisation	A character. The name of the organisation as specified in the URL: <a href="https://<organisation>.upwave.io">https://<organisation>.upwave.io
token	A character. The API token to access boards on upwave.io. The token can be obtained by visiting your account settings. Click your profile image, select "Settings" and find your API-Key in the "Account" tab.

Value

A list

Examples

```
list_boards("4597", "807a0c3451c04602b4dbfdc0338a65f7")
```

list_cards	<i>Information about the cards on a board</i>
------------	---

Description

list_cards() is wrapper around "List Cards" as specified in the 'Upwave' API <https://www.upwave.io/api/>. It returns detailed Information about each card of a specific board as card id, title, board id, description, due_dt, state, color, assigned, ...

Usage

```
list_cards(organisation, board_id, token)
```

Arguments

organisation	A character. The name of the organisation as specified in the URL: <code>https://<organisation>.upwave.io</code>
board_id	An integer. The number of the board you want to inspect as specified in the URL: <code>https://<organisation>.upwave.io/board/<board_id>/view/</code>
token	A character. The API token to access boards on upwave.io. The token can be obtained by visiting your account settings. Click your profile image, select "Settings" and find your API-Key in the "Account" tab.

Value

A list

Examples

```
list_cards("4597", 14351, "807a0c3451c04602b4dbfdc0338a65f7")
```

request

Create a correct request for the 'Upwave' API

Description

request() is an internal function that invokes a GET request with a token according to `https://www.upwave.io/api/`

Usage

```
request(url, token)
```

Arguments

url	an URL
token	an authentication token

Value

request

`storypoints_and_status`*Calculate storypoints and status of the Cards of a specific Board*

Description

Calculates storypoints (of active Cards, which are Cards that haven't been completed yet) and status in the backlog of an 'Upwave' board. Storypoints have to be specified in the description (directly beneath the title) of each card with a string of the form: "Aufwand: X SP" or "Aufwand: X AT". This is not part of the 'Upwave' API but an additional functionality.

Usage

```
storypoints_and_status(organisation, board_id, token)
```

Arguments

<code>organisation</code>	A character. The name of the organisation as specified in the URL: <a href="https://<organisation>.upwave.io">https://<organisation>.upwave.io
<code>board_id</code>	An integer. The number of the board you want to inspect as specified in the URL: <a href="https://<organisation>.upwave.io/board/<board_id>/view/">https://<organisation>.upwave.io/board/<board_id>/view/
<code>token</code>	A character. The API token to access boards on upwave.io. The token can be obtained by visiting your account settings. Click your profile image, select "Settings" and find your API-Key in the "Account" tab.

Value

A list containing a data.frame with all storypoints and the status per card and the numeric sum_storypoints.

Examples

```
upwaver::storypoints_and_status("4597", 14351, "807a0c3451c04602b4dbfdc0338a65f7")
```

`storypoints_and_status_released`*Calculate storypoints and status of the Cards of a specific Board*

Description

Calculates storypoints of released cards on a specific board

Usage

```
storypoints_and_status_released(organisation, board_id, token)
```

Arguments

organisation	A character. The name of the organisation as specified in the URL: <a href="https://<organisation>.upwave.io">https://<organisation>.upwave.io
board_id	An integer. The number of the board you want to inspect as specified in the URL: <a href="https://<organisation>.upwave.io/board/<board_id>/view/">https://<organisation>.upwave.io/board/<board_id>/view/
token	A character. The API token to access boards on upwave.io. The token can be obtained by visiting your account settings. Click your profile image, select "Settings" and find your API-Key in the "Account" tab.

Value

A list containing a data.frame with all storypoints and the status per card and the numeric sum_storypoints.

Examples

```
upwaver::storypoints_and_status_released(  
  "4597", 14351, "807a0c3451c04602b4dbfdc0338a65f7")
```


Index

aufwand, [2](#)

board2excel, [2](#)

board_details, [3](#)

content_as_list, [4](#)

create_card_from_excel, [4](#)

list_boards, [5](#)

list_cards, [5](#)

request, [6](#)

storypoints_and_status, [7](#)

storypoints_and_status_released, [7](#)