

Package ‘flexlsx’

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Type Package

Title Exporting 'flextable' to 'xlsx' Files

Version 1.0.0

Description Exports 'flextable' objects to 'xlsx' files,
utilizing functionalities provided by 'flextable' and 'openxlsx2'.

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Encoding UTF-8

Imports dplyr (>= 1.1.1), grDevices, openxlsx2 (>= 1.23), purrr, Rcpp,
rlang, stringi, tibble, tidyr (>= 1.0.0)

Suggests covr, gtsummary, flextable (>= 0.9.11), testthat (>= 3.0.0),
officer

Depends R (>= 4.1.0)

RoxygenNote 7.3.2

Config/testthat/edition 3

URL <https://github.com/pteridin/flexlsx>

BugReports <https://github.com/pteridin/flexlsx/issues>

LinkingTo Rcpp

NeedsCompilation yes

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Repository CRAN

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ftpart_to_style_tibble

Converts a flextable-part to a tibble styles

Description

[Experimental]

[Experimental]

Usage

```
ftpart_to_style_tibble(ft_part, part = c("header", "body", "footer"))
```

Arguments

ft_part	the part of the flextable to extract the style from
part	the name of the part

Value

a [tibble](#)

ft_to_style_tibble *Converts a flextable to a tibble with style information*

Description

[Experimental]

Usage

```
ft_to_style_tibble(  
  ft,  
  offset_rows = 0L,  
  offset_cols = 0L,  
  offset_caption_rows = 0L  
)
```

Arguments

ft a [flextable](#)
offset_rows offsets the start-row
offset_cols offsets the start-columns
offset_caption_rows number of rows to offset the caption by

Value

a [tibble](#)

ft_to_xlsx_border *Determines the border style*

Description

[Experimental]

Usage

```
ft_to_xlsx_border(border_color, border_width, border_style)
```

Arguments

border_color the color of the border
border_width a numeric vector determining the border-width
border_style the flextable style name of the border

Details

openxlsx2/Excel does handle borders differently than flextable. This function maps the flextable border styles to the Excel border styles.

Value

a factor of xlsx border styles

get_dim_colwise	<i>Groups each row with same style each column</i>
-----------------	--

Description

[Experimental]

Usage

```
get_dim_colwise(df_rows)
```

Arguments

df_rows [tibble](#) of row-wise aggregates style

Value

[tibble](#) of column-wise aggregates style

get_dim_ranges	<i>Retrieves dims of same style rows within same column</i>
----------------	---

Description

[Experimental]

Usage

```
get_dim_ranges(df_x)
```

Arguments

df_x styling information incl. col_id & row_id

Value

merged styles as a [tibble](#)

get_dim_rowwise	<i>Groups each column with same style each row</i>
-----------------	--

Description**[Experimental]****Usage**

```
get_dim_rowwise(df_x, df_style_hashed)
```

Arguments

df_x styling information incl. col_id & row_id
df_style_hashed [tibble](#) of hashed style information

Value

[tibble](#) of row-wise aggregates style information

handle_null_border	<i>Where there is no border return NULL</i>
--------------------	---

Description**[Experimental]****Usage**

```
handle_null_border(border_style)
```

Arguments

border_style the openxlsx2 style of the border

Value

border_style or NULL

merge_resolve_type *Determine problematic merges*

Description

Determine problematic merges

Usage

```
merge_resolve_type(df_to_merge)
```

Arguments

df_to_merge The data.frame containing information about the cells to merge

Value

df_to_merge is extended by is_encapsulated and is_need_resolve

prepare_color *Prepares the color for content style*

Description

Converts a color name to the hexadecimal RGB-value Removes "transparent" color

Usage

```
prepare_color(color_name)
```

Arguments

color_name The name of the color

Value

The hexadecimal RGB-value

style_to_hash	<i>Retrieves hashed style information</i>
---------------	---

Description**[Experimental]**

Converts each style to an individual integer hash for easy comparison and aggregation.

Usage

```
style_to_hash(df_x)
```

Arguments

df_x	styling information incl. col_id & row_id
------	---

Value

hashed style information as a [tibble](#)

wb_add_caption	<i>Adds a caption to an excel file</i>
----------------	--

Description**[Experimental]****Usage**

```
wb_add_caption(
  wb,
  sheet,
  ft,
  offset_rows = offset_rows,
  offset_cols = offset_cols
)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
offset_rows	zero-based row offset
offset_cols	zero-based column offset

wb_add_flextable	<i>Adds a flextable to an openxlsx2 workbook sheet</i>
------------------	--

Description

[Experimental]

Usage

```
wb_add_flextable(
  wb,
  sheet = openxlsx2::current_sheet(),
  ft,
  start_col = 1,
  start_row = 1,
  offset_caption_rows = 0L,
  dims = NULL
)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
start_col	a vector specifying the starting column to write to.
start_row	a vector specifying the starting row to write to.
offset_caption_rows	number of rows to offset the caption by
dims	Spreadsheet dimensions that will determine start_col and start_row: "A1", "A1:B2", "A:B"

Value

an openxlsx2 workbook

Examples

```
if (requireNamespace("flextable", quietly = TRUE)) {
  # Create a flextable
  ft <- flextable::as_flextable(table(mtcars[, c("am", "cyl")]))

  # Create a workbook
  wb <- openxlsx2::wb_workbook()$add_worksheet("mtcars")

  # Add flextable to workbook
  wb <- wb_add_flextable(wb, "mtcars", ft)
```

```
# Workbook can now be saved wb$save(),  
# opened wb$open() - or removed  
rm(wb)  
}
```

wb_apply_border *Applies the border styles*

Description

[Experimental]

Usage

```
wb_apply_border(wb, sheet, df_style)
```

Arguments

wb	the workbook
sheet	the sheet of the workbook
df_style	the styling tibble from ft_to_style_tibble

wb_apply_cell_styles *Applies the cell styles*

Description

[Experimental]

Usage

```
wb_apply_cell_styles(wb, sheet, df_style)
```

Arguments

wb	the workbook
sheet	the sheet of the workbook
df_style	the styling tibble from ft_to_style_tibble

wb_apply_content	<i>Applies the content</i>
------------------	----------------------------

Description**[Experimental]****Usage**

```
wb_apply_content(wb, sheet, df_style)
```

Arguments

wb	the workbook
sheet	the sheet of the workbook
df_style	the styling tibble from ft_to_style_tibble

wb_apply_merge	<i>Merges cells</i>
----------------	---------------------

Description**[Experimental]****Usage**

```
wb_apply_merge(wb, sheet, df_style)
```

Arguments

wb	the workbook
sheet	the sheet of the workbook
df_style	the styling tibble from ft_to_style_tibble

Value

df_style tibble

wb_apply_text_styles *Applies the text styles*

Description

[Experimental]

Usage

```
wb_apply_text_styles(wb, sheet, df_style)
```

Arguments

wb	the workbook
sheet	the sheet of the workbook
df_style	the styling tibble from ft_to_style_tibble

wb_change_cell_width *Changes the cell width*

Description

Changes the cell width

Usage

```
wb_change_cell_width(wb, sheet, ft, offset_cols)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
offset_cols	zero-based column offset

wb_change_row_height *Changes the row height*

Description

Changes the row height

Usage

```
wb_change_row_height(wb, sheet, df_style)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
df_style	the styling tibble from ft_to_style_tibble

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