Package: flexlsx (via r-universe)

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Type Package

Title Exporting 'flextable' to 'xlsx' Files

Version 1.1.1

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

Author Tobias Heidler [aut, cre, cph] (ORCID: <https://orcid.org/0000-0001-9193-0980>)

Maintainer Tobias Heidler <flexlsx@heidler.ovh>

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`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

`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

---

get_dim_colwise *Groups each row with same style each column*

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 *Retrieves dims of same style rows within same column*

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 *Groups each column with same style each row*

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 *Where there is no border return NULL*

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 *Retrieves hashed style information*

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 *Adds a caption to an excel file*

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` *Adds a flextable to an openxlsx2 workbook sheet*

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 *Applies the content*

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 *Merges cells*

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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