🦖 ReXLlenT

ReXLlenT is a typst package that helps you convert Excel **xlsx** tables to typst tables, powered by wasm. (Formerly eXMLlent.) The *R* in ReXLlenT stands for *Rust*, the language that wasm plugin is written in. *XL* stands for *Excel*, and *T* stands for the wonderful *Typst*.

Quick Start

Start by importing the package:

```
1  #import "@preview/rexllent:0.2.1": xlsx-parser
```

Then you can use `xlsx-parser` function to convert your xlsx Excel table to typst table.

Example & Usage

sheet-index

By passing `sheet-index` parameter, you can specify the sheet index to parse. The default value is `0`.

```
1  #xlsx-parser(read("test.xlsx", encoding: none), sheet-index: 0)
```

hello	hello		
hello	hello	hello	
			hello
hello	*hello*	hello	
hello	hello	hello	*hello*
hello		hello	hello
hello	hello	**hello**	
		hello	hello

Parameters to Customize Output Table

By toggling parameters below, you can customize the output table:

- `parse-table-style`: Parse table style(columns width, rows height), default is `false`.
- `parse-alignment`: Parse cell content alignment, default is `true`.
- `parse-stroke`: Parse cell stroke, default is `true`.
- `parse-fill`: Parse cell fill, default is `true`.
- `parse-font`: Parse font style, default is `true`.

Here is an example with all parameters set to `false`:

```
1 #xlsx-parser(
2   read("test.xlsx", encoding: none),
3   parse-table-style: false,
4   parse-alignment: false,
5   parse-stroke: false,
6   parse-fill: false,
7   parse-font: false,
8 )
```

hello	hello		
hello	hello	hello	hello
	hello	hello	hello
hello			hello
hello	hello	hello	
hello		hello	hello
hello	hello	hello	
		hello	hello

And examples with each parameter set to `false`:

1. `parse-table-style: true`

```
1 #xlsx-parser(
2   read("test.xlsx", encoding: none),
3   parse-table-style: true,
4 )
```

hello	hello		
hello	hello	hello	
			hello
hello	hello	hello	hello
	hello	hello	hello
hello	hello	hello	hello
hello	hello	hello	hello
		hello	hello

2. `parse-alignment: false`

```
1 #xlsx-parser(
2   read("test.xlsx", encoding: none),
3   parse-alignment: false,
4 )
```

hello	hello

hello	hello	hello	

hello

		hello	hello
hello			*hello*

hello	hello	hello	

hello		hello	hello

hello	hello	**hello**

hello	hello

3. `parse-stroke: false`

```
1 #xlsx-parser(
2   read("test.xlsx", encoding: none),
3   parse-stroke: false,
4 )
```

First grid of cells (each containing "hello" with varying colors/styles):

hello | hello | |
hello | hello | hello |
 | | hello | hello
hello | *hello* | hello | *hello*
hello | hello | hello | hello
hello | hello | hello
hello | hello | **hello**
 | | hello | hello

4. `parse-fill: false`

```
1  #xlsx-parser(
2    read("test.xlsx", encoding: none),
3    parse-fill: false,
4  )
```

Second grid of cells (each containing "hello" with varying colors/styles):

hello | hello | |
hello | hello | hello |
 | | hello | hello
hello | *hello* | hello
hello | hello | hello
hello | hello | **hello**
 | | hello | hello

5. `parse-font: false`
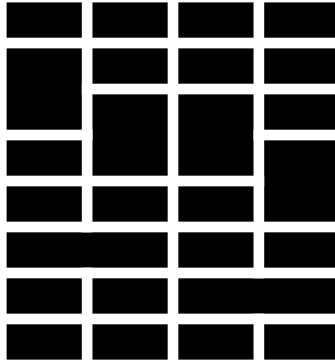
```
1  #xlsx-parser(
2    read("test.xlsx", encoding: none),
3    parse-font: false,
4  )
```

hello	hello		
hello	hello	hello	hello
			hello
hello	hello	hello	
	hello		
hello	hello	hello	
hello		hello	hello

hello   hello   hello

hello	hello

Extra Parameters

You can also customize the table style by passing arguments to the table. Here is an example:

```
1  #xlsx-parser(
2    read("test.xlsx", encoding: none),
3    parse-table-style: false,
4    parse-alignment: false,
5    parse-stroke: false,
6    parse-fill: false,
7    parse-font: false,
8    // args below will be passed to the table
9    fill: black,
10   stroke: 4pt + white,
11 )
```

Limitations

- Only supports xlsx format.
- Not yet implemented in-cell image parsing.
- Cannot detect special characters in typst, which may cause parsing errors.

Credits

- lublak/typst-spreet-package
- MathNya/umya-spreadsheet

License

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Have fun with ReXLlenT! 🎉