gatsby-transformer-excel

Parses Excel files into JSON arrays.

Install

```
npm install gatsby-transformer-excel
```

Note: You generally will use this plugin together with the <u>gatsby-source-filesystem</u> plugin. gatsby-source-filesystem reads in the files then this plugin *transforms* the files into data you can query.

How to use

If you put your Excel files in ./src/data:

This plugin allows you to pass any available options used by the underlying library's function. <u>Click here</u> to view the full list of options and the default values.

You can see an example project at https://github.com/gatsbyjs/gatsby/tree/master/examples/using-excel.

Parsing algorithm

The parsing is powered by the <u>SheetJS / js-xlsx</u> library. Each row of each worksheet is converted into a node whose keys are determined by the first row and whose type is determined by the name of the worksheet.

So if your project has a letters.xlsx with two worksheets:

```
----- Sheet1 -----
/| A | B |
-+----+
1| letter | value |
-+----+
2| a | 97 |
-+----+
3| b | 98 |
```

```
/| A | B |

-+----+

1| letter | value |

-+---+

2| A | 65 |

-+---+

3| B | 66 |
```

the following nodes would be created:

```
[
    { "letter": "a", "value": 97, "type": "LettersXlsxSheet1" },
    { "letter": "b", "value": 98, "type": "LettersXlsxSheet1" },
    { "letter": "A", "value": 65, "type": "LettersXlsxSheet2" },
    { "letter": "B", "value": 66, "type": "LettersXlsxSheet2" }
]
```

How to query

Using the same letters.xlsx example from above, you'd be able to query your letters like:

```
{
  allLettersXlsxSheet1 {
   edges {
     node {
     letter
     value
     }
  }
}
```

Which would return:

```
}
}
```

Troubleshooting

Default Values

If your spreadsheet contains column headers with only blank cells, the default behavior is to exclude this column in the GraphQL output as per the <u>documentation</u>

If defval is not specified, null and undefined values are skipped normally. If specified, all null and undefined points will be filled with defval.

This will make sure that any blank cells are assigned the defval value.

Field Type Conflicts

If your columns have different data types, e.g. numbers and strings, GraphQL will omit these values and provide you with a field type conflicts warning during build. To solve this, you can set the rawOutput option of the plugin to false. This will convert all values to strings.

This will make sure that all field types are converted to strings.

NOTE 1: A previous version of this library used the attribute name rawOutput. This name still works, but is an alias for the correct attribute raw. If both attributes are specified, the value for raw takes precedence.