

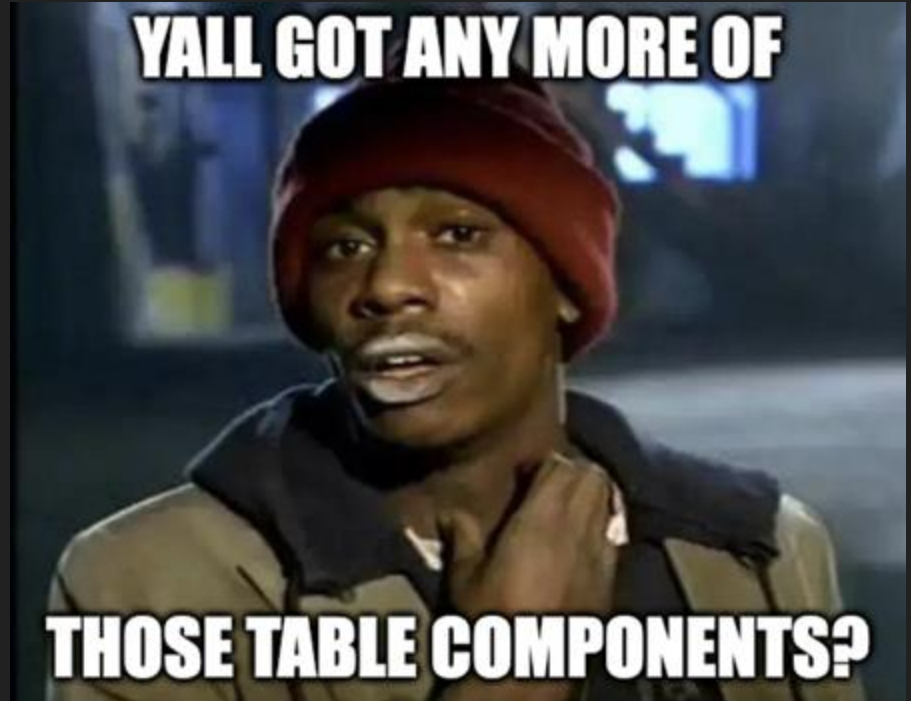
Wrapping your head around headless tables

Tanstack's table
library for React, Vue,
Svelte and Solid



Using a component library for a table

```
<TableContainer>
  <Table>
    <TableHead>
      <TableRow>
        <TableCell>
          <TableSortLabel />
        </TableCell>
        <TableCell />
        <TableCell />
      </TableRow>
    </TableHead>
    <TableBody>
      <TableRow>
        <TableCell />
        <TableCell />
        <TableCell />
      </TableRow>
    </TableBody>
    <TableFooter />
  </Table>
  <TablePagination />
</TableContainer>
```

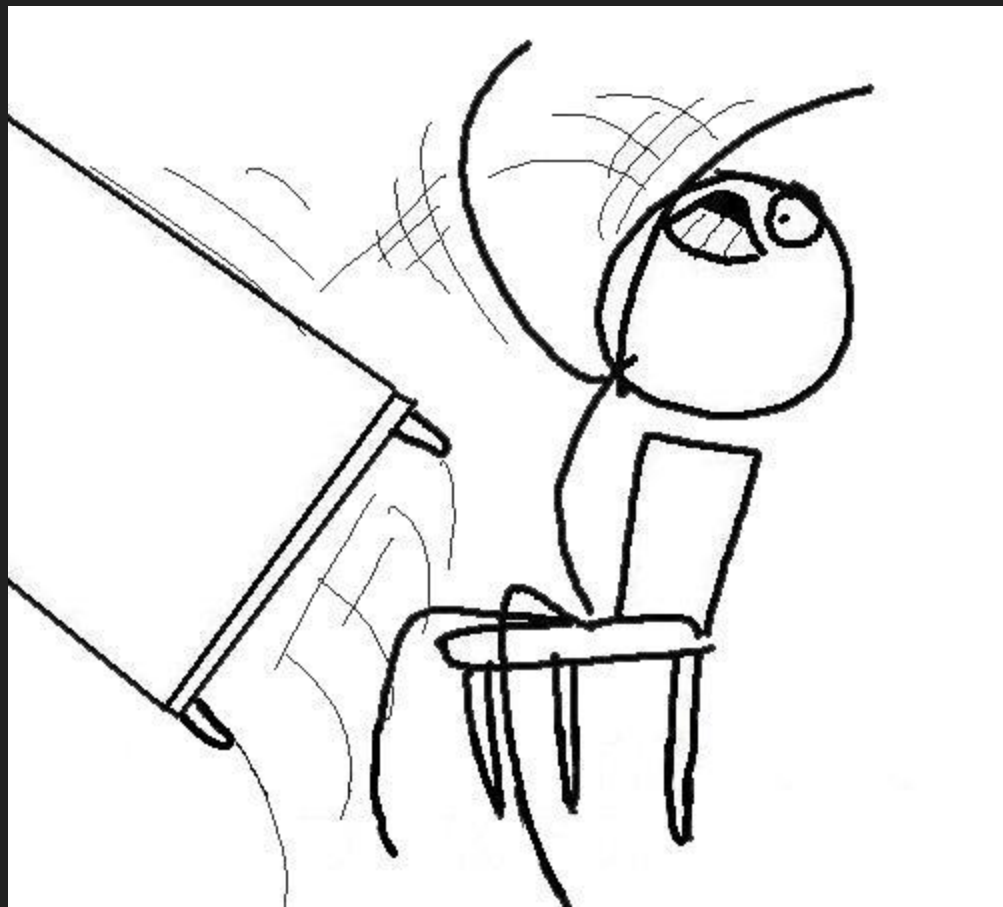


Disadvantages of component library

- Restyling
 - What about global styles?
 - Overriding CSS styles?
 - Creating a theme?
 - Injecting styles?
- No full control over the rendered HTML
- Tree shaking?



```
<Slider
  defaultValue={30}
  sx={{
    width: 300,
    color: 'success.main',
    '& .MuiSlider-thumb': {
      borderRadius: '1px',
    },
  }
/>
```



What is a headless table?

- Collection of libraries and utilities
- Provides you
 - Logic
 - State
 - Processing
 - API
- Doesn't provide you with
 - Markup
 - Styles
 - Pre-built implementations



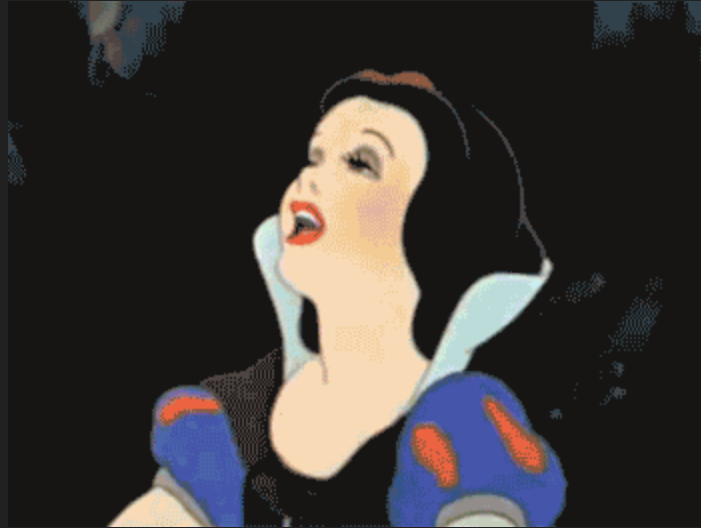
Features of Tanstack's headless table

- Lightweight (10 - 15kb)
- Tree-Shaking
- Headless
- Cell Formatters
- Auto-managed internal state
- Opt-in fully controlled state
- Sorting
- Multi Sort
- Global Filters
- Columns Filters
- Pagination
- Row Grouping
- Aggregation
- Row Selection
- Row Expansion
- Column Ordering
- Column Visibility
- Column Resizing
- Virtualizable
- Server-side/external Data
- Nested/Grouped Headers
- Footers

Some live code...



Is your mind blown?!



Resources

- <https://tanstack.com/table/v8>
- <https://github.com/TanStack/table>
- <https://google.com>
- <https://codesandbox.io/p/github/ElkeCodes/Tanstack-Table-Example/main?file=/src/main.tsx>
- <https://github.com/ElkeCodes/Tanstack-Table-Example>
- <https://mui.com/material-ui/customization/theme-components/#theme-style-overrides>
- <https://knowyourmeme.com/>
- <https://tanstack.com/table/v8/docs/examples/react/filters>
- <https://tanstack.com/table/v8/docs/examples/react/pagination>
- <https://tanstack.com/table/v8/docs/examples/react/sorting>