

In this document I will go through the material-table documentation to look at potential features or customizations that are addable to current table code to improve usability.

Each item will be ranked by Conrad and Alif in terms of Difficulty and Perceived Value

## Fixed Columns

material-table has fixed columns featuring both left and right.

Usage

To use fixed columns feature you should add `fixedColumns` object to options

(on a scale of 1-5) 5= most difficult/valuable	Conrad	Alif	Al
Difficulty:			
Perceived Value:			

<https://material-table.com/#/docs/features/fixed-columns>

**\*You can not use the fixed columns feature with detail panels, treedata or grouping for now.**

**Because we have a drop down option to add notes to token**

**Implementation:** This could be a good feature to add to our tables when viewing multiple time intervals, it would allow the table size to remain fixed while the additional data points are added to the table view

## Actions

You can add buttons to rows or toolbar by using `actions` prop. `Actions` prop takes array of actions.

(on a scale of 1-5) 5= most difficult/valuable	Conrad	Alif	Al
Difficulty:			
Perceived Value:			

<https://material-table.com/#/docs/features/actions>

Simple Action Example

A simple action added to table. It fires an alert with name of current user when clicked.

**Implementation:** Adding a simple action button to the row that allows the user the immediate option to directly copy the coin/token address.

## Editable

material-table has inline editing feature that lets users to add, remove, update new rows. Also you can use `cellEditable` feature to let users change only data of a cell.

(on a scale of 1-5) 5= most difficult/valuable	Conrad	Alif	AI
Difficulty:	1		
Perceived Value:	low		

<https://material-table.com/#/docs/features/editable>

Disable Field Editable Example

A simple editable implementation with a readonly name column

Implementation: Could be a good feature to add to the wallets table- allowing the name of the wallet to be quickly updated or changed within the table

## Detail Panel

You can add a detail panel to every row by using detailPanel feature.

Usages

One detail panel as a functions

If you need just one type of detail panel, you can just set a function that returns a React element.

(on a scale of 1-5) 5= most difficult/valuable	Conrad	Alif	AI
Difficulty:			
Perceived Value:			

Multiple Detail Panels Example

A table example that has multiple detail panels. Every panel renders different data about row.

Implementation: This could be a good alternative to viewing multiple data variables within the watchlists quickly: ie. there are 3 icons to the left of the coin/token name that each correspond to the "transaction" "price" and "volume" data points. OR this could be a good way to add additional data points to coins within the watchlist i.e.

- the website address to the corresponding coin/token.
- the all time high?
- the market cap or circulating supply

\*I am not sure if this functionality is compatible with variable data so it may be static or unchanging data points to use for this functionality which we will talk with AI about and get his feedback on the needed information if any.

## Grouping

material-table has grouping feature that lets users to group data by one or more columns.

### Usage

To make grouping available you must open grouping in options.

(on a scale of 1-5) 5= most difficult/valuable	Conrad	Alif	Al
Difficulty:			
Perceived Value:			

<https://material-table.com/#/docs/features/grouping>

Basic Grouping Example

To make grouping available options.grouping is being set as true

**Implementation:** Within the watchlist or token data viewing workspace we could add this functionality to allow the user to filter the data by maybe predefined variables set by the user to further filter their data? Ie: within the watchlists filtering the coins/tokens that are defined by certain levels of risk? Let's say Al has his watchlist that corresponds to the low-high risk/reward structure- but rather than the coins being separated by watchlists, within a new column, maybe they could be definable as they are added to the watchlist by one of the variables and then could be further sorted within the existing watchlist. This would allow the user to diversify the types of watchlists he/she keeps without creating too many watchlists.

Conditions for the predefined variables would be that they have to be Y/N answerable- ie. is this coin being defined by the user as Low-risk/reward, Medium-risk/reward, high-risk/reward? Other ways the user could create this predefined variable column is that they could apply their own verbage to the sorting process. Basically allowing the user to add their own form of organization to the watchlists but not in a way that would break the data incoming from uniswap. Like adding a tag to a coin within a watchlist that is unique to the users on our platform.

<https://material-ui.com/components/tables/#CollapsibleTable.tsx>