AdvTreeView

The AdvTreeView struct represents an interactive tree view with rows and columns. It is available starting from macOS 14.0 and iOS 17.0 and is designed to be used in SwiftUI applications for displaying and managing hierarchical data.

Example Code

```
public init(items: Binding<[Item]>,
            selectedItems: Binding<Set<Item>>,
            displayMode: DisplayMode,
            searchText: Binding<String> = .constant(""),
            isInEditState: Binding<Bool> = .constant(false),
            editView: ViewContext? = nil,
            viewModel: ViewModel,
            onLookup: ((_ items: [Item]) -> Void)? = nil,
            borderWidth: CGFloat = 0,
            rowHeight: CGFloat = AppManager.shared.defaultListRowHeight,
            hideToolbar: Bool = false,
            showButton: ShowDefaultButton = [.modifyViews, .update, .lookup],
            lookupViewContext: ViewContext? = nil,
            lookupOnSelected: Bool = true,
            isSubItemsViewModel: Bool = false,
            additionalToolbarItems: [NavigationItem] = [],
            showColoredBackground: Bool = true,
            showColumns: Bool = true,
            @ViewBuilder content: @escaping () -> Content)
```

Parameters:

- items: Binding to the data displayed in the tree view based on the ITreeViewDataSet interface.
- selectedItems: Binding to the data selected in the tree view.
- displayMode: Determines whether the data is displayed in a tree or table display.
- searchText: Binding specifying what can be searched for in the selected column.
- isInEditState: Binding determining whether the table is in edit mode.
- editView: Specifies which view should be used to edit a table row.
- viewModel: Determines which ViewModel the table is connected to.
- onLookup: Action taken when data is taken from a lookup table.
- borderWidth: Thickness of the border framing the table.
- rowHeight: Sets the row height.
- hideToolbar: Specifies whether the toolbar should be displayed.
- showButton: Determines which toolbar buttons are displayed.
- lookupViewContext: Determines which ViewContext is used for a LookupView.
- lookupOnSelected: Specifies whether the lookup button is only active when a table row has been selected.

- isSubItemsViewModel: Defines the ViewModel for the lookup table.
- additionalToolbarItems: An array of NavigationItems to extend the toolbar.
- showColoredBackground: Specifies whether the table background is displayed in alternating colors.
- showColumns: Determines whether the background displays the columns.
- content: Contains the table content in the form of AdvTableRows.

Example Usage

```
AdvTreeView(items: $items, selectedItems: $selectedItems,
displayMode: .tree(checkable: true), viewModel: vm, borderWidth: 1) {
   AdvTreeListColumn(header: "lblTableCategoryImage",
                     field: \ArticleCategory.image,
                     size: .fixed(40),

}
```

AdvTreeViewColumn

Overview

The AdvTreeViewColumn struct represents a column within an interactive tree view. It is available starting from macOS 14.0 and iOS 17.0 and is designed to be used in SwiftUI applications for displaying and managing data in tree view columns.

Example Code

```
public init(header: String, field: WritableKeyPath<T, D>,
            size: GridItem.Size = .flexible(minimum: 10, maximum: 200),
            hasFocus: Bool = false, isHidden: Bool = false,
            subType: SubDataType = .none)
```

Parameters:

- header: Text for the tree view heading.
- field: Data field of the tree view.
- size: Width of the tree view column.
- hasFocus: Determines whether this tree view column receives focus when switching to editing mode.
- isHidden: Determines whether a tree view column is hidden.
- subType: Sets the data type of the tree view column.

Example Usage

```
AdvTreeView(items: $items, selectedItems: $selectedItems,
displayMode: .tree(checkable: true), viewModel: vm, borderWidth: 1) {
    AdvTreeListColumn(header: "lblTableCategoryImage",
                      field: \ArticleCategory.image,
                      size: .fixed(40),
                      subType: .data(size: CGSize(width: 30, height: 30)))

    AdvTreeListColumn(header: "lblTableCategoryDescriptionShort",
                      field: \ArticleCategory.descriptionShort,
                      size: .flexible(minimum: 100, maximum: 200),
                      hasFocus: true)
    // Additional columns...
}

AdvTreeView(items: $items, selectedItems: $selectedItems,
displayMode: .tree(checkable: true), viewModel: vm, borderWidth: 1) {
    AdvTreeListColumn(header: "lblTableCategoryImage",
                      field: \ArticleCategory.image,
                      size: .fixed(40),
                      subType: .data(size: CGSize(width: 30, height: 30)))
```

```
    AdvTreeListColumn(header: "lblTableCategoryDescriptionShort",
                      field: \ArticleCategory.descriptionShort,
                      size: .flexible(minimum: 100, maximum: 200),
                      hasFocus: true)
    // Additional columns...
}
```