

Simple Use Case: YAHOO.widget.DataTable

Markup (container can be empty or pre-populated for progressive enhancement):

```
<div id="myContainer"><div>
```

Script:

```
var myColumnDefs = [{key:"col1", label:"Col 1"},
    {key:"col2", label:"Col 2"}, ...];
var myDS = new YAHOO.util.DataSource([...]);
var myDataTable = new YAHOO.widget.DataTable(
    "myContainer", myColumnDefs, myDS);
```

Constructor: YAHOO.widget.DataTable

```
YAHOO.widget.DataTable(str|HTMLElement el, array
    column defs, obj DataSource[, obj config]);
```

Arguments:

- (1) **el**: HTML ID or HTMLElement for a DataTable container. May be empty or already contain <table> markup.
- (2) **column defs**: An array of object literals defines Columns.
- (3) **DataSource**: DataSource instance.
- (4) **configuration object**: An optional object literal defines property values of a DataTable instance.

Constructor: YAHOO.widget.ScrollingDataTable

```
YAHOO.widget.ScrollingDataTable(str|HTMLElement
    el, array column defs, obj DataSource[, obj
    config]);
```

Arguments:

- (1) **el**: HTML ID or HTMLElement for a DataTable container. May be empty or already contain <table> markup.
- (2) **column defs**: An array of object literals defines Columns.
- (3) **DataSource**: DataSource instance.
- (4) **configuration object**: An optional object literal defines property values of a DataTable instance, including width and height of scrollable area.

Cell Editing

```
var myCE = new YAHOO.widget.TextboxCellEditor;
var myColumnDefs = [{key:"col1"}, {key:"col2",
    editor: myCE};
...
myDT.subscribe("cellClickEvent",
    myDT.onEventShowCellEditor)
```

Key Interesting Moments in DataTable

Not all event types are available for all elements and units. See online docs for full list of DataTable Events.

Event	oArgs Properties
<i>elementClickEvent</i> , <i>elementDbclickEvent</i> , <i>elementMouseDownEvent</i> , <i>elementMouseoutEvent</i> , <i>elementMouseoverEvent</i>	oArgs.event (HTMLElement) oArgs.target (el) An <i>element</i> is a DOM element, such as button, cell, row, theadCell, theadLabel, etc.
<i>unitHighlightEvent</i> , <i>unitSelectEvent</i> , <i>unitUnhighlightEvent</i> , <i>unitUnselectEvent</i> , <i>cellFormatEvent</i>	oArgs.el (el) oArgs.record (YAHOO.widget.Record) When <i>unit</i> is a cell: oArgs.key (string) A <i>unit</i> is a cell, row, or column.
<i>columnSortEvent</i>	oArgs.column (YAHOO.widget.Column) oArgs.dir (string) YAHOO.widget.DataTable.CLASS_ASC YAHOO.widget.DataTable.CLASS_DESC
<i>editorRevertEvent</i> , <i>editorSaveEvent</i>	oArgs.editor (object), oArgs.newData (object), oArgs.oldData (object)
<i>initEvent</i> , <i>renderEvent</i>	n/a
<i>rowAddEvent</i>	oArgs.record (YAHOO.widget.Record)
<i>rowDeleteEvent</i>	oArgs.oldData (object) oArgs.recordIndex (number) oArgs.trElIndex (number)
<i>rowUpdateEvent</i>	oArgs.record (YAHOO.widget.Record) oArgs.oldData (object)
All DataTable events are Custom Events (see Event Utility docs); subscribe to these events using "subscribe": (e.g. <code>myDataTable.subscribe("rowSelectEvent", fn);</code>).	

Key DataTable Attributes

Option (type)	Default	Description
<i>caption</i> (s)	null	String values for caption element and summary attribute.
<i>summary</i> (s)	null	
<i>draggableColumns</i> (b)	false	Enables Drag & Drop Column reordering.
<i>initialLoad</i> (b/o)	true	Enables or customizes data load at instantiation.
<i>initialRequest</i> (mixed)	null	Request value to send to DataSource at instantiation for data to populate the table, if initialLoad is set to true.
<i>paginator</i> (o)	null	Instance of YAHOO.widget.Paginator.
<i>renderLoopSize</i>	0	Number of rows to render into the DOM each timeout loop.
<i>scrollable</i> (b)	false	Enables scrolling.
<i>width</i> (s)/ <i>height</i> (s)	null	
<i>selectionMode</i> (s)	"standard"	Configures row or cell selection.
<i>sortedBy</i> (o)	null	Displays sorted Column UI.

Abstract Methods

Method	Description
<i>doBeforeLoadData</i>	Overridable method gives implementers a hook to access data before it gets added to RecordSet and rendered to the TBODY.
<i>doBeforeShowCellEditor</i>	Overridable abstract method to customize CellEditor before showing.
<i>doBeforeSortColumn</i>	Overridable method gives implementers a hook to show loading message before sorting Column.

YAHOO.widget.Column: Properties

abbr
children
className
editor
formatter
hidden
key
label
maxAutoWidth
minWidth
resizeable
selected
sortable
sortOptions.defaultDir
sortOptions.sortFunction
width

YAHOO.widget.ScrollingDataTable Key Attributes

COLOR_COLUMNFILLER
height
width

YAHOO.widget.BaseCellEditor Subclasses

CheckboxCellEditor
DateCellEditor
DropdownCellEditor
RadioCellEditor
TextareaCellEditor
TextboxCellEditor

Note: Refer to online documentation for a complete API reference.

Dependencies

DataTable requires the YAHOO Global Object, Event Utility, Dom Collection, Element Utility, and DataSource Utility.