

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
elementClickEvent, elementDbclickEvent, elementMouseDownEvent, elementMouseoutEvent, elementMouseoverEvent	oArgs.event (HTMLElement) oArgs.target (el) An <i>element</i> is a DOM element, such as button, cell, row, theadCell, theadLabel, etc.
unitHighlightEvent, unitSelectEvent, unitUnhighlightEvent, unitUnselectEvent, cellFormatEvent	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.
columnSortEvent	oArgs.column (YAHOO.widget.Column) oArgs.dir (string) YAHOO.widget.DataTable.CLASS_ASC YAHOO.widget.DataTable.CLASS_DESC
editorRevertEvent, editorSaveEvent	oArgs.editor (object), oArgs.newData (object), oArgs.oldData (object)
initEvent, renderEvent	n/a
rowAddEvent	oArgs.record (YAHOO.widget.Record)
rowDeleteEvent	oArgs.oldData (object) oArgs.recordIndex (number) oArgs.trElIndex (number)
rowUpdateEvent	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. `myDataTable.subscribe("rowSelectEvent", fn);`).

Key DataTable Attributes

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

Abstract Methods

Method	Description
doBeforeLoadData	Overridable method gives implementers a hook to access data before it gets added to RecordSet and rendered to the TBODY.
doBeforeShowCellEditor	Overridable abstract method to customize CellEditor before showing.
doBeforeSortColumn	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.