YUI Library: DataTable

Simple Use Case: YAHOO.widget.DataTable

Markup (table is optional, can be empty container):

```html
<div id="myContainer">
  <table>
    <thead><tr><th>…</th></tr></thead>
    <tbody><tr><td>…</td></tr></tbody>
  </table>
</div>
```

Script:

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

Creates a DataTable instance from scratch or existing markup.

id	date	quantity	amount	title
po-0297	12/12/1978	12	$1.25	This Book Was Meant to Be Read Aloud
po-0167	3/24/1980	1	$4.00	A Book About Nothing
po-0783	1/3/1983		$12.12	The Meaning of Life
po-1482	3/11/1985	6	$3.50	Read Me Twice

Constructor: YAHOO.util.DataSource

```
YAHOO.util.DataSource(str|array|obj|HTMLFunction
  |HTMLTable live data[, obj config]);
```

Arguments:
(1) **live data:** Pointer to a set of data.
(2) **configuration object:** An optional object literal defines property values of a DataSource instance.

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 emtpy 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.

Key Interesting Moments in DataTable

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

Event:	oArgs Properties:
*element*ClickEvent, *element*DblclickEvent, *element*MousedownEvent, *element*MouseoutEvent, *element*MouseoverEvent	oArgs.event (HTMLEvent) oArgs.target (el) An *element* is a DOM element, such as button, cell, row, headerCell, headerCellLabel,e tc.
*unit*FormatEvent, *unit*HighlightEvent, *unit*SelectEvent, *unit*UnhighlightEvent, *unit*UnselectEvent, cellFormatEvent	oArgs.el (el) oArgs.record (YAHOO.widget.Record) When *unit* is a cell: oArgs.key (string) A *unit* is a cell or a row.
columnSortEvent	oArgs.column (YAHOO.widget.Column) oArgs.dir (string) "asc" || "desc"
editorRevertEvent, editorSaveEvent	oArgs.editor (object) oArgs.newData (object) oArgs.oldData (object)
refreshEvent	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 Configuration Options

See online docs for complete list of DataTable configuration options.

Option (type)	Default	Description
caption (s) summary (s)	null	String values for caption element and summary attribute.
initialRequest (s)	""	Request value to send to DataSource at instantiation for data to populate the table.
paginated (b)	false	Whether or not the DataTable is paginated.
paginator (o)	see docs	Object literal of pagination values.
scrollable (b)	false	Whether or not the DataTable is scrollable.
selectionMode (s)	"standard"	A string value to define mode of row or cell selection.
sortedBy (o)	null	Object literal to define sorted columns.

DataTable options can be set in the constructor's second argument (e.g., `{paginated: true}`) or at runtime via set (e.g., `myTable.set("paginated", true);`).

YAHOO.widget.Column: Properties

abbr
children
className
editor
editorOptions
formatter
key
label
resizeable
sortable
sortOptions.defaultOrder
sortOptions.sortFunction
width

Note: Refer to online documentation for a full list of Column properties.

Dependencies

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