ColReorder example Server-side processing

Server-side processing can be exceptionally useful in DataTables when dealing with massive data sets, and ColReorder works with this as would be expected.

It is recommend that you use object based data with server-side processing and ColReorder, as this provides easily understandable mapping between the the columns and the data relation on the server, otherwise you need to work out array indexes on each call!

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| First name | Last name | Position | Office | Start date | Salary |
| First name | Last name | Position | Office | Start date | Salary |

* Javascript
* HTML
* CSS
* Ajax
* Server-side script

The Javascript shown below is used to initialise the table shown in this example:

$(document).ready(function() { $('#example').dataTable( { processing: true, serverSide: true, ajax: "../../../../examples/server\_side/scripts/objects.php", columns: [ { data: "first\_name" }, { data: "last\_name" }, { data: "position" }, { data: "office" }, { data: "start\_date" }, { data: "salary" } ], colReorder: true } ); } );

In addition to the above code, the following Javascript library files are loaded for use in this example:

* [//code.jquery.com/jquery-1.12.3.min.js](http://code.jquery.com/jquery-1.12.3.min.js)
* [../../../../media/js/jquery.dataTables.js](http://docs.google.com/media/js/jquery.dataTables.js)
* [../../js/dataTables.colReorder.js](http://docs.google.com/js/dataTables.colReorder.js)

The HTML shown below is the raw HTML table element, before it has been enhanced by DataTables:

This example uses a little bit of additional CSS beyond what is loaded from the library files (below), in order to correctly display the table. The additional CSS used is shown below:

The following CSS library files are loaded for use in this example to provide the styling of the table:

* [../../../../media/css/jquery.dataTables.css](http://docs.google.com/media/css/jquery.dataTables.css)
* [../../css/colReorder.dataTables.css](http://docs.google.com/css/colReorder.dataTables.css)

This table loads data by Ajax. The latest data that has been loaded is shown below. This data will update automatically as any additional data is loaded.

The script used to perform the server-side processing for this table is shown below. Please note that this is just an example script using PHP. Server-side processing scripts can be written in any language, using [the protocol described in the DataTables documentation](http://datatables.net/manual/server-side).

Other examples

[**Initialisation and options**](http://docs.google.com/initialisation/index.html)

* [Basic initialisation](http://docs.google.com/initialisation/simple.html)
* [Scrolling table](http://docs.google.com/initialisation/scrolling.html)
* [Predefined column ordering](http://docs.google.com/initialisation/predefined.html)
* [Realtime updating](http://docs.google.com/initialisation/realtime.html)
* [Individual column filtering](http://docs.google.com/initialisation/col_filter.html)
* [Initialisation using `new`](http://docs.google.com/initialisation/new_init.html)
* [Reset ordering API](http://docs.google.com/initialisation/reset.html)

[**Integration with other DataTables extensions**](http://docs.google.com/index.html)

* [Column visibility integration](http://docs.google.com/colvis.html)
* [FixedColumns integration](http://docs.google.com/fixedcolumns.html)
* [FixedHeader integration](http://docs.google.com/fixedheader.html)
* [Responsive integration](http://docs.google.com/responsive.html)
* [Server-side processing](http://docs.google.com/server_side.html)
* [State saving](http://docs.google.com/state_save.html)

[**Styling**](http://docs.google.com/styling/index.html)

* [Alternative insert styling](http://docs.google.com/styling/alt_insert.html)
* [Bootstrap styling](http://docs.google.com/styling/bootstrap.html)
* [Bootstrap 4 styling](http://docs.google.com/styling/bootstrap4.html)
* [Foundation styling](http://docs.google.com/styling/foundation.html)
* [Semantic UI styling](http://docs.google.com/styling/semanticui.html)
* [jQuery UI styling](http://docs.google.com/styling/jqueryui.html)

Please refer to the [DataTables documentation](http://www.datatables.net) for full information about its API properties and methods.

Additionally, there are a wide range of [extensions](http://www.datatables.net/extensions) and [plug-ins](http://www.datatables.net/plug-ins) which extend the capabilities of DataTables.

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