

# Tutorial - List Reorderer 0.5 Migration

This page will walk you through the process of upgrading your existing 0.4 List Reorderer implementation to the new 0.5 API. This tutorial assumes that

- you are already familiar with HTML, Javascript and CSS
- you are familiar with what the List Reorderer is and does
- you have an existing implementation of the List Reorderer that worked with the 0.4 Infusion release.

## Dependencies

If you use the `Fluid-all.js` file, you don't have to change this - this file still contains everything you need.

If, however, you are including independent files, you will need to add two files to your list: `FluidDOMUtilities.js` and `GeometricManager.js`. You also no longer need `ui.droppable.js`.

If you have...	You will need...
<pre>jquery/jquery-1.2.6.js jquery/jquery.keyboard-ally.js jquery/ui.core.js jquery/ui.draggable.js jquery/ui.droppable.js jquery/jARIA.js fluid/Fluid.js fluid/Reorderer.js</pre>	<pre>jquery/jquery-1.2.6.js jquery/jquery.keyboard-ally.js jquery/ui.core.js jquery/ui.draggable.js jquery/jARIA.js fluid/Fluid.js fluid/FluidDOMUtilities.js &lt;== new! fluid/GeometricManager.js &lt;== new! fluid/Reorderer.js</pre>

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### See Also

- [List Reorderer API](#)

### Still need help?

Join the [fluid-talk mailing list](#) and ask your questions there.

## Initialization

The signature of the call to `reorderList()` has been significantly simplified:

Old	New
-----	-----

```
fluid.reorderList(containerSelector,
  itemSelector,
  orderChangedCallback,
  options);
```

```
fluid.reorderList(container, options);
```

The specific changes are as follows:

- the `container` parameter can now be
  - a CSS-based [selector](#)
  - a single-element jQuery object, or
  - a DOM element
- the `itemSelector` and `orderChangeCallback` are now specified through the `options` parameter

## Item Selector

Instead of passing a selector identifying the orderable items as a parameter to `reorderList()`, selectors are specified using the `selectors` option.

If you used to have...	Now you would have...
<pre>fluid.reorderList("#myList", ".myItems");</pre>	<pre>var myOpts = {   selectors: {     movables: ".myItems"   } }; fluid.reorderList("#myList", myOpts);</pre>

If you were using the form of the `itemSelector` that included `movables`, `selectables`, etc., then all of these should be moved into the `selectors` option:

If you used to have...	Now you would have...
<pre>var findItems = {   movables: ".orderable",   selectables: "li",   dropTargets: "li" }; fluid.reorderList("#list2", findItems);</pre>	<pre>var opts = {   selectors: {     movables: ".orderable",     selectables: "li",     dropTargets: "li"   } }; fluid.reorderList("#list2", opts);</pre>

## Order-changed Callback

Instead of passing an order-changed callback function as a parameter to `reorderList()`, the callback is specified using the `events` option, in particular the `afterMove` event.

If you used to have...	Now you would have...
------------------------	-----------------------

```

var myCallback = function() {
  ...
};
fluid.reorderList(myElem, ".movable-item", myCallback);

```

```

var myCallback = function() {
  ...
};
var options = {
  selectors: {
    movables: ".movable-item"
  },
  events: {
    afterMove: myCallback
  }
};
fluid.reorderList(myElem, options);

```

## Options

Other changes have been made to the format of the `options` object:

### cssClassNames

The `cssClassNames` option has been renamed to `styles`:

**If you used to have...**

```

var myClasses = {
  defaultStyle: "plain",
  selected: "selected",
  dragging: "dragging"
};
var opts = {
  cssClassName: myClasses
};
fluid.reorderList(jQuery("body > ol:first"), opts);

```

**Now you would have...**

```

var myClasses = {
  defaultStyle: "plain",
  selected: "selected",
  dragging: "dragging"
};
var opts = {
  styles: myClasses
};
fluid.reorderList(jQuery("body > ol:first"), opts);

```