

How to sort html elements according to array values

Asked 7 years, 8 months ago Modified 7 years, 8 months ago Viewed 2k times

I am trying to sort html elements with jQuery based off the order of items in a data attribute on an input. "data-order"

2 See the code setup here, but I am stuck.

<http://jsbin.com/cixolonoge/1/edit?html,js,output>

HTML:

```
<div id="control">
  <input type="hidden" data-order="title,text,date">
</div>
<div id="parts">

  <p class="date part">20 January 2014</p>
  <h5 class="title part">Some Title</h5>
  <p class="text part">A line of Text</p>

</div>
```

jQuery:

```
var input = $('#control input');
var partsOrder = input.attr("data-order");

var parts = $('#parts');

parts.find('.part').each(function(i) {
  $(this).attr('data-index', 'index' + i);
});

//Make array from data-order attribute
var partsArray = partsOrder.split(',');

$.partsArray(json, function(i, val) {

  //modify html order

});
```

If data-order string changes, I want the html to re order accordingly.

title,text,date vs date,text,title

So far I have added a new data attribute with the original index onto the parts. And created an array from the data-order string so it can be looped through and modify the html.

But I am unable to get my head around it.

javascript jquery html arrays

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edited Nov 15, 2014 at 11:55

asked Nov 15, 2014 at 11:48

 Andy
23 ● 4

1 Could you click edit and post the code here, instead of the link. Questions ideally include it to survive link rot. – Paul Nov 15, 2014 at 11:51

Got it, I have updated the question. Thanks! – Andy Nov 15, 2014 at 11:55

2 Answers

Sorted by: Trending sort available ⓘ Highest score (default) ⚡

1 You can put the target index on the elements, get them in an array, sort the array on the index, and then rearrange the elements according to the array:

```
var partsOrder = $('#control input').attr("data-order").split(',');

var parts = $('#parts');

// set target index for elements
```



```
$.each(partsOrder, function(i, v){
  $('.' + v, parts).data('index', i);
});

// sort array on index
var items = parts.find('.part');
items.sort(function(a,b){ return $(a).data('index') - $(b).data('index'); });

// move elements into array order
parts.append(items);
```

Demo: <http://jsbin.com/fejegyoco/2/edit>

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answered Nov 15, 2014 at 12:05



Guffa

669k ● 106 ● 712 ● 988

How would I go about a hiding an html part if it is not listed in the data-order attr? – [Andy](#) Nov 15, 2014 at 15:59

@Andy: You could hide them all, then in the loop where you set the target index add `.show()` to show the ones that are in the list. – [Guffa](#) Nov 15, 2014 at 16:04

▲ This assumes that you are looping through and creating perhaps multiple sets of three within your div and does not require you to edit your HTML.

0



```
var input = $('#control input');
var partsOrder = input.attr("data-order");
var parts = $('#parts');
var partsArray = partsOrder.split(',');

var $part = parts.find('.part');

var groupNum = 0;
$part.each(function(k,v) {
  if (k === 0 || k % 3 === 0) {
    var $div = $(v).wrap('<div class="group" data-group="' + groupNum + '">
</div>');
    $(v).attr('data-group', groupNum);
    var $second = $($part.get(k+1)).attr('data-group', groupNum);
    var $third = $($part.get(k+2)).attr('data-group', groupNum);
    $second.remove();
    $third.remove();
    $div.append($second);
    $div.append($third);
    groupNum++;
  }
});

for (var i = 0; i < groupNum; i++) {
  var $group = $('.group[data-group="' + i + '"]');
  for (var j = 0; j < partsArray.length; j++) {
    var $thePart = $group.find('.' + partsArray[j]);
    $thePart.remove();
    $group.append($thePart);
  }
}

$('.group').unwrap();
```

[JSBin](#)

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edited Nov 15, 2014 at 12:45

answered Nov 15, 2014 at 12:23



Tomanow

7,065 ● 3 ● 23 ● 51

You can't wrap an element by using `before` and `after` to add starting and ending tags. The DOM consists of elements, not tags, so you can only add complete elements to it. – [Guffa](#) Nov 15, 2014 at 12:30
