



Traversing and Filtering

Vacation Packages

jQuery Travels

Hawaiian Vacation

Comments on this deal:

"Amazing Deal!"

"Can't wait to take this trip!"

GET PRICE

Orlando

Comments on this deal:

There aren't any comments on this deal yet.

GET PRICE

Visit Japan

Comments on this deal:

"Never been, but can't wait!"

GET PRICE

Call us at 555-2593 to make a reservation today!


How do we allow vacations to have different prices?

Tackling the HTML

index.html

```
<li class="vacation onsale" data-price='399.99'>
  <h3>Hawaiian Vacation</h3>
  <button>Get Price</button>
  <ul class='comments'>
    <li>Amazing deal!</li>
    <li>Want to go!</li>
  </ul>
</li>
```

All data attributes begin with 'data-'



```
$('.vacation').first().data('price');
"399.99"
```

jQuery Object Methods

`.data(<name>)`

`.data(<name>, <value>)`

3.4 Traversing & Filtering

Refactoring 'Get Price'

application.js


```
$(document).ready(function() {  
  $('button').on('click', function() {  
    var price = $('<p>From $399.99</p>');  
    $(this).closest('.vacation').append(price);  
    $(this).remove();  
  });  
});
```



Reads from the data-price attribute



```
var amount = $(this).closest('.vacation').data('price');  
var price = $('<p>From $'+amount+'</p>');
```



Joins two strings to create the price



3.4 Traversing & Filtering

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application.js

```
$(document).ready(function() {  
    $('button').on('click', function() {  
        var amount = $(this).closest('.vacation').data('price');  
        var price = $('<p>From $'+amount+'</p>');  
        $(this).closest('.vacation').append(price);  
        $(this).remove();  
    });  
});
```


Each vacation can have its own price




Reusing jQuery Objects

application.js

```
$(document).ready(function() {  
    $('button').on('click', function() {  
        var amount = $(this).closest('.vacation').data('price');  
        var price = $('<p>From $'+amount+'</p>');  
        $(this).closest('.vacation').append(price);  
        $(this).remove();  
    });  
});
```



```
var vacation = $(this).closest('.vacation');  
var amount = vacation.data('price');  
vacation.append(price);
```



3.4 Traversing & Filtering

Reusing jQuery Objects

application.js

```
$(document).ready(function() {  
    $('button').on('click', function() {  
        var vacation = $(this).closest('.vacation');  
        var amount = vacation.data('price');  
        var price = $('<p>From $'+amount+'</p>');  
        vacation.append(price);  
        $(this).remove();  
    });  
});
```



*We'll only query the DOM
once for this element*

Rendered HTML:

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On Sale Now

Expiring Soon

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Each vacation can have its dynamic own price now

On With a Selector

application.js

```
$(document).ready(function() {  
    $('button').on('click', function() {  
        ...  
    });  
});
```

If we add new buttons anywhere, they will trigger this click handler

```
$('.vacation button').on('click', function() {});
```

```
$('.vacation').on('click', 'button', function() {});
```

*Only target a 'button'
if it's inside a 'vacation'*

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We'll implement our new filters next

Filtering HTML

index.html

```
<div id='filters'>
  ...
  <button class='onsale-filter'>On Sale Now</button>
  <button class='expiring-filter'>Expiring</button>
  ...
</div>
```

We'll write 2 event handlers for our buttons

We'll highlight vacations with these traits

Filtering for Vacations On sale

application.js

```
$('#filters').on('click', '.onsale-filter',  
    function() {  
        // find all vacations that are on-sale  
        // add a class to these vacations  
    });
```

DOCUMENT

div id="filters"

button class="onsale-filter"

button class="expiring-filter"

Filtering for Vacations On sale

application.js

```
$('#filters').on('click', '.onsale-filter',  
    function() {  
        // find all vacations that are on-sale  
        // add a class to these vacations  
    });
```

`$('.vacation.onsale')`

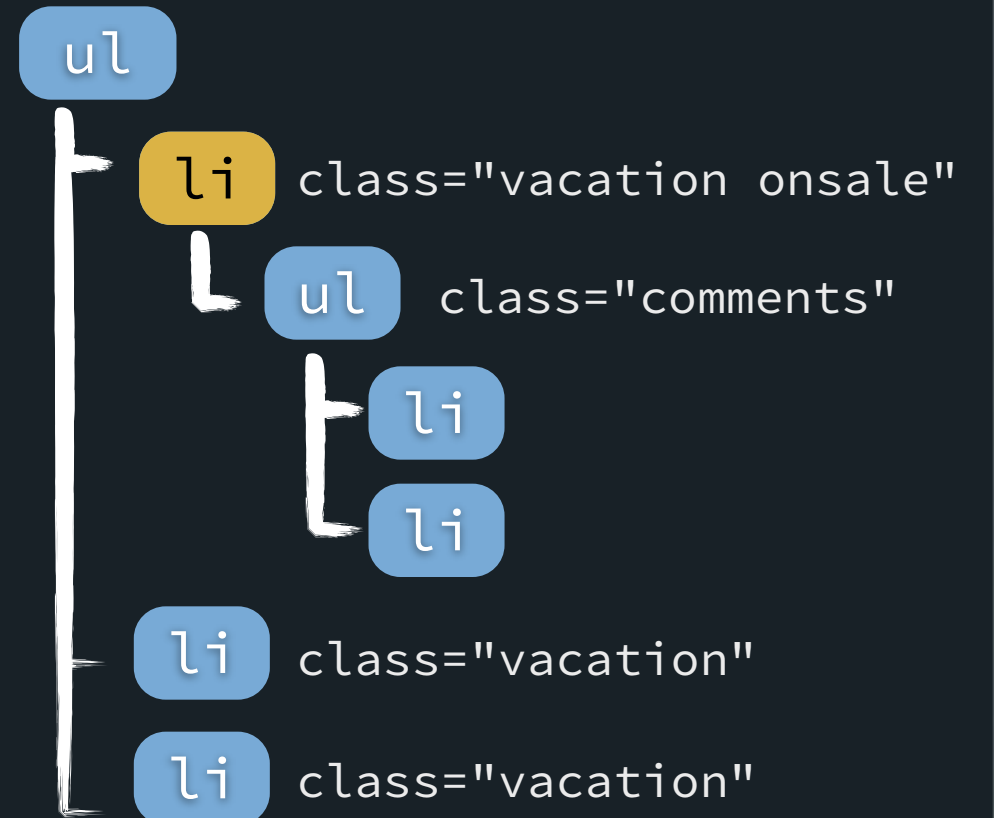


`$('.vacation').filter('.onsale')`



 Finds elements with a class of **.vacation** and **.onsale**

DOCUMENT



3.4 Traversing & Filtering

Filtering for Vacations On sale

application.js

```
$('#filters').on('click', '.onsale-filter',  
    function() {  
        $('.vacation').filter('.onsale')  
        // add a class to these vacations  
    });
```

Class Manipulation

.addClass(<class>)

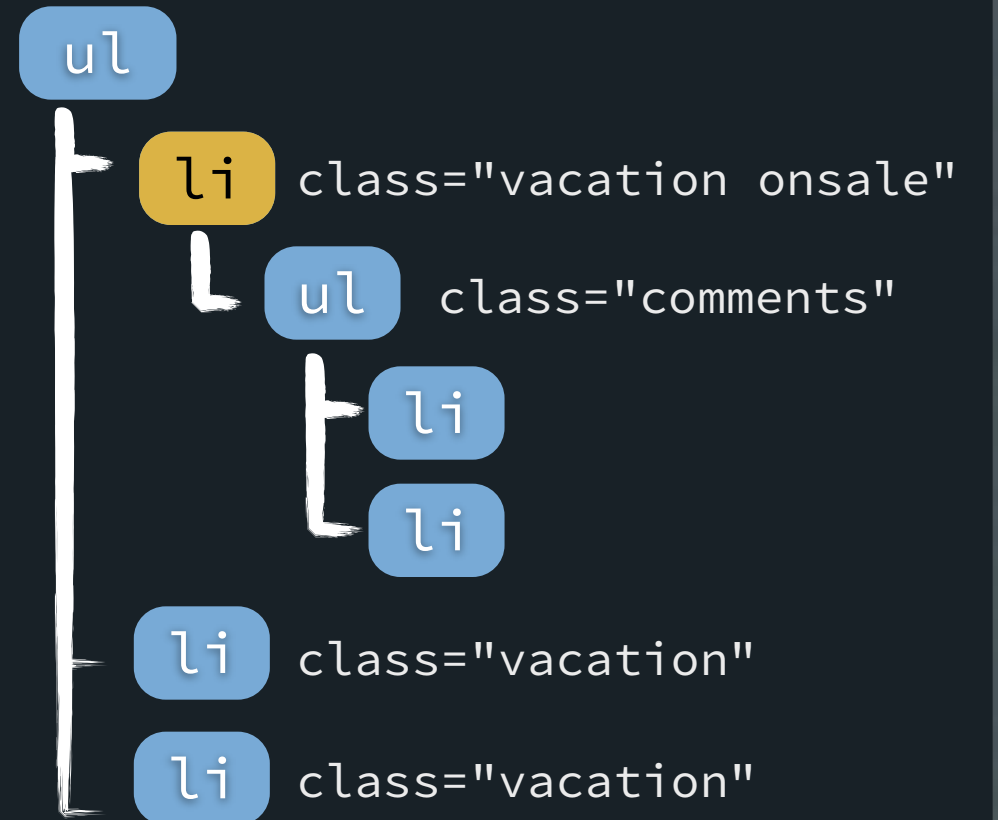


.removeClass(<class>)

```
$('.vacation').filter('.onsale').addClass('highlighted');
```




DOCUMENT



Filtering for Vacations On sale

application.js

```
$('#filters').on('click', '.onsale-filter', function() {  
    $('.vacation').filter('.onsale').addClass('highlighted');  
});
```



Finds only the right vacations

Adds a class of 'highlighted'

*The same can be done for our **expiring** filter*

```
$('#filters').on('click', '.expiring-filter', function() {  
    $('.vacation').filter('.expiring').addClass('highlighted');  
});
```



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How do we make sure not all vacations are highlighted?

Unhighlighting Vacations

application.js

```
$('#filters').on('click', '.onsale-filter', function() {  
    $('.highlighted').removeClass('highlighted');  
    $('.vacation').filter('.onsale').addClass('highlighted');  
});
```



*Remove the highlighted
class before adding it back*

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We clear the highlighted class on click, only highlighting the targeted vacations