



Taming CSS

Separation of Concerns

HTML
content

CSS
style

JavaScript
behavior

To style something based on user interaction, which would we use?



Changing our Style

jQuery Travels - Vacation Packages

Packages

Hawaiian Vacation

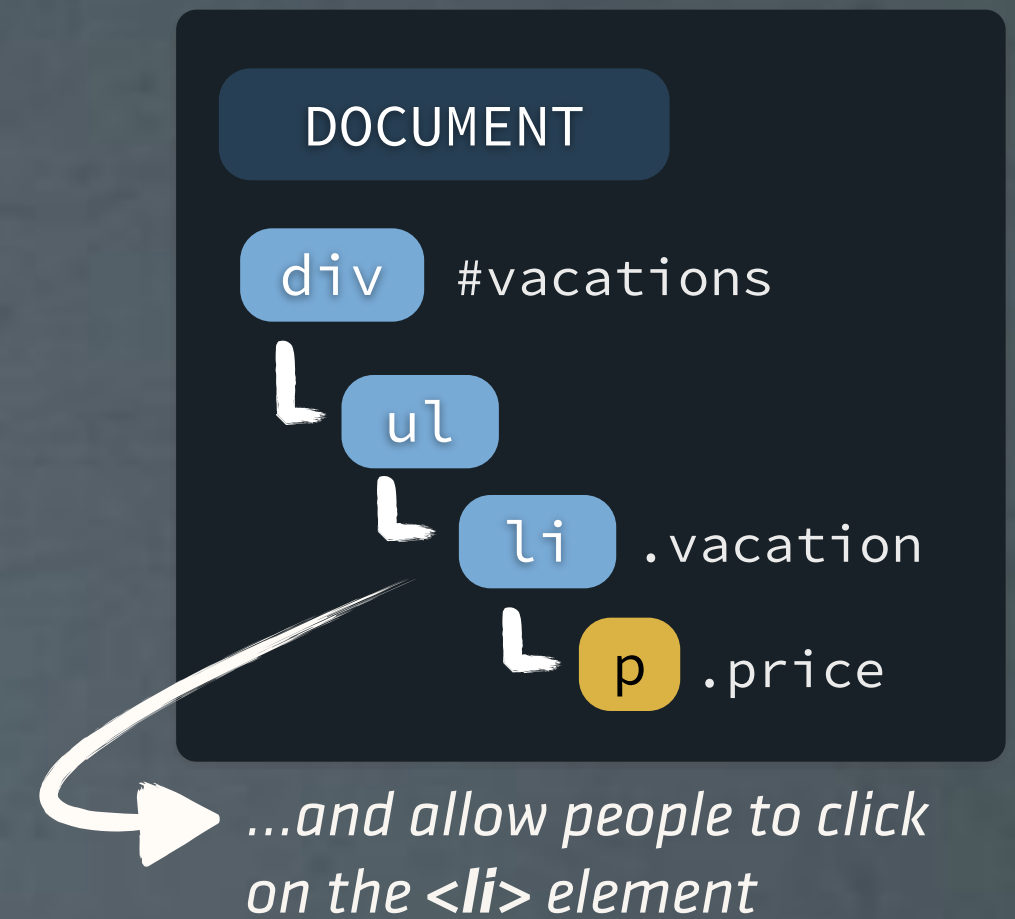
European Getaway

Visit Japan

Call us at 555-25937 to make a reservation today!

*Let's make all **.vacation** elements clickable...*

DOM representation



Changing the Style

application.js

```
$(document).ready(function() {  
    $('#vacations').on('click', '.vacation', function() {  
        $(this).css('background-color', '#252b30');  
        $(this).css('border-color', '1px solid #967');  
    });  
});
```

```
$(this).css('background-color', '#252b30')  
        .css('border-color', '1px solid #967');
```

```
$(this).css({ 'background-color': '#252b30',  
              'border-color': '1px solid #967' });
```

Passing in a JavaScript Object as an argument is a common jQuery pattern

DOM representation

DOCUMENT

div #vacations

ul

li .vacation

p .price

jQuery Object Methods

.css(<attr>, <value>)

.css(<attr>)

.css(<object>)

Showing the Price

application.js

```
$(document).ready(function() {  
  $('#vacations').on('click', '.vacation', function() {  
    $(this).css({'background-color': '#252b30',  
                 'border-color': '1px solid #967'});  
  });  
});
```

```
$(this).find('.price').css('display', 'block');
```



```
$(this).find('.price').show();
```



Same as CSS syntax, but easier to read and understand

DOM representation

DOCUMENT

div #vacations



ul



li

.vacation



p

.price

jQuery Object Methods

.show()

.hide()

Showing the Price

application.js

```
$(document).ready(function() {  
  $('#vacations').on('click', '.vacation', function() {  
    $(this).css({'background-color': '#252b30',  
                 'border-color': '1px solid #967'});  
    $(this).find('.price').show();  
  });  
});
```

Highlights the Vacation Package and shows the price

DOM representation

DOCUMENT

div #vacations

L

ul

L

li

.vacation

L

p

.price

jQuery Travels - Vacation Packages

Packages

Hawaiian Vacation

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*Our **.vacation** elements are highlighted when we click on them*

Moving Styles to External CSS

application.js

```
$(document).ready(function() {  
  $('#vacations').on('click', '.vacation', function() {  
    $(this).css({'background-color': '#563',  
                 'border-color': '1px solid #967'});  
    $(this).find('.price').show();  
  });  
});
```



DOM representation

DOCUMENT

div #vacations



ul



li

.vacation



p

.price

Can we move these to a CSS stylesheet?

application.css

```
.highlighted {  
  background-color: #563;  
  border-color: 1px solid #967;  
}  
.highlighted .price {  
  display: block;  
}
```



```
$(this).addClass('highlighted');
```



Moving Styles to External CSS

application.js

```
$(document).ready(function() {  
    $('#vacations').on('click', '.vacation', function() {  
        $(this).addClass('highlighted');  
    });  
});
```



It's now much easier to manipulate with external CSS styles

application.css

```
.highlighted {  
    background-color: #563;  
    border-color: 1px solid #967;  
}  
.highlighted .price {  
    display: block;  
}
```



DOM representation

DOCUMENT

div #vacations



ul



li

.vacation



p

.price

Moving Styles to External CSS

application.js

```
$(document).ready(function() {  
    $('#vacations').on('click', '.vacation', function() {  
        $(this).addClass('highlighted');  
    });  
});
```

We can only show price, but how would we hide price?

```
$(this).toggleClass('highlighted');
```

*Adds the class if **\$(this)** doesn't have it, removes it if **\$(this)** already has it*

DOM representation

DOCUMENT

div #vacations

L

ul

L

li

.vacation

L

p

.price

jQuery Object Methods

.toggleClass()

.addClass(<class>)

.removeClass(<class>)

jQuery Travels - Vacation Packages

Packages

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Our refactored page still works, and will be much easier to maintain