



Keyboard Events

jQuery Travels - Trip Planner

Packages

Hawaiian Vacation

\$399.99 per ticket

Tickets:



Total Price: \$399.99

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

Changing this “Tickets” input field should recalculate the total

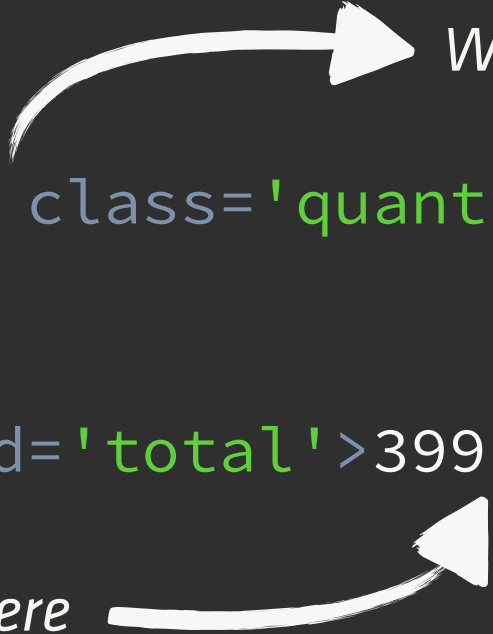
Trip Planner Page

index.html

```
<div class="vacation" data-price='399.99'>
  <h3>Hawaiian Vacation</h3>
  <p>$399.99 per ticket</p>
  <p>
    Tickets:
    <input type='number' class='quantity' value='1' />
  </p>
</div>
<p>Total Price: $<span id='total'>399.99</span></p>
```

When this updates...

...we'll update the calculated price here


A white curved arrow points from the 'quantity' input field in the HTML code to the text 'When this updates...'. Another white curved arrow points from the text '...we'll update the calculated price here' to the 'total' span in the HTML code.

4.3 Keyboard Events

Keyboard and Form Events

application.js

```
$(document).ready(function() {  
  $('<strong>.vacation</strong>').on('<strong>'?</strong>', '<strong>.quantity</strong>', function() {  
  });  
});
```



Which event should we use?

Keyboard Events

keypress

keydown

keyup



Form Events

blur

select

change

focus

submit

<http://api.jquery.com/category/events/keyboard-events/>

<http://api.jquery.com/category/events/form-events/>

4.3 Keyboard Events

Writing our Event Handler

application.js

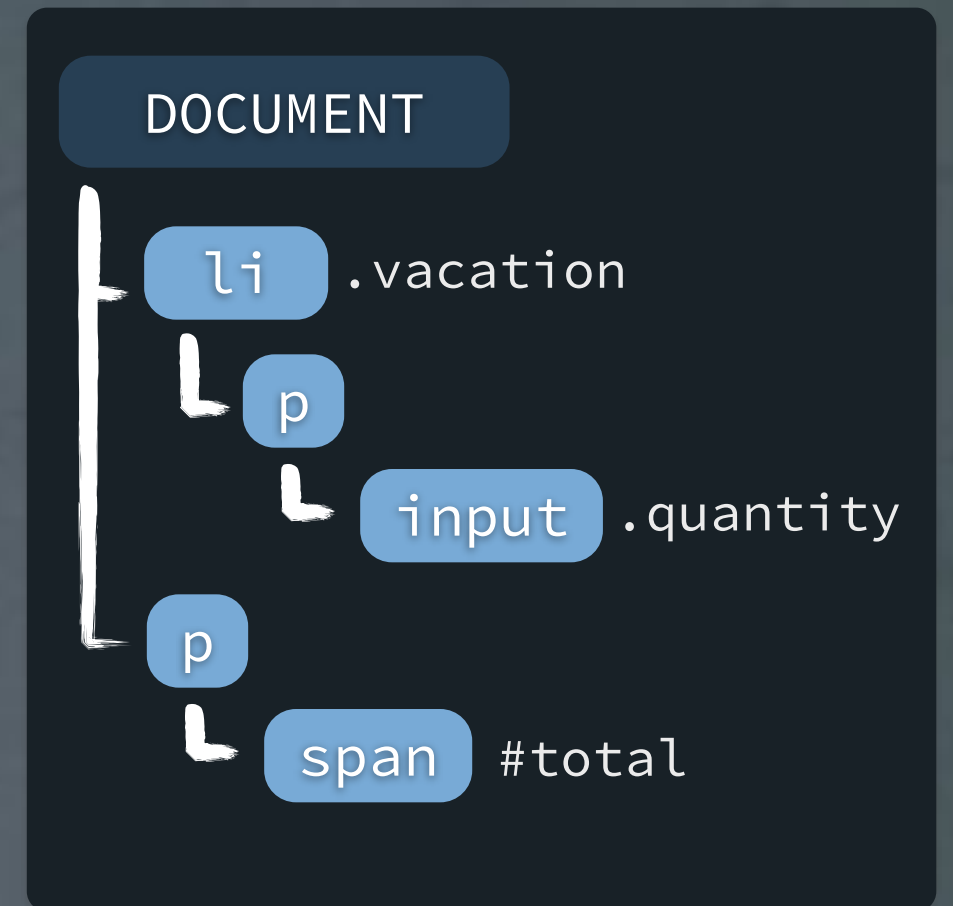
```
$(document).ready(function() {  
  $('.vacation').on('keyup', '.quantity', function() {  
    // Get the price for this vacation  
    // Get the quantity entered  
    // Set the total to price * quantity  
  });  
});
```

```
var price = $(this).closest('.vacation').data('price');  
↳ '399.99'
```

Returns price as a string

```
var price = +$(this).closest('.vacation').data('price');  
↳ 399.99
```

Use + to convert the string to a number



4.3 Keyboard Events

Getting the Quantity of Tickets

application.js

```
$(document).ready(function() {  
    $('.vacation').on('keyup', '.quantity', function() {  
        var price = +$(this).closest('.vacation').data('price');  
        // Get the quantity entered  
        // Set the total to price * quantity  
    });  
});
```

```
var quantity = this.val();
```



Errors - not a jQuery object

```
var quantity = $(this).val();  
    ↳ '2'
```



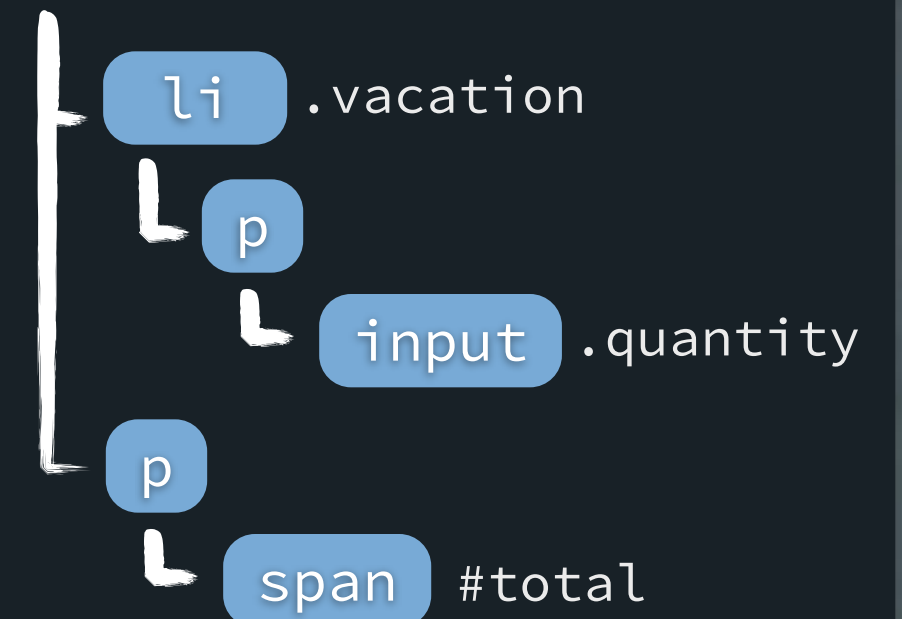
Sets quantity to a string

```
var quantity = +$(this).val();  
    ↳ 2
```



Sets quantity to a number

DOCUMENT



jQuery Object Methods

`.val(<new value>)`

`.val()`

Setting the Total Price

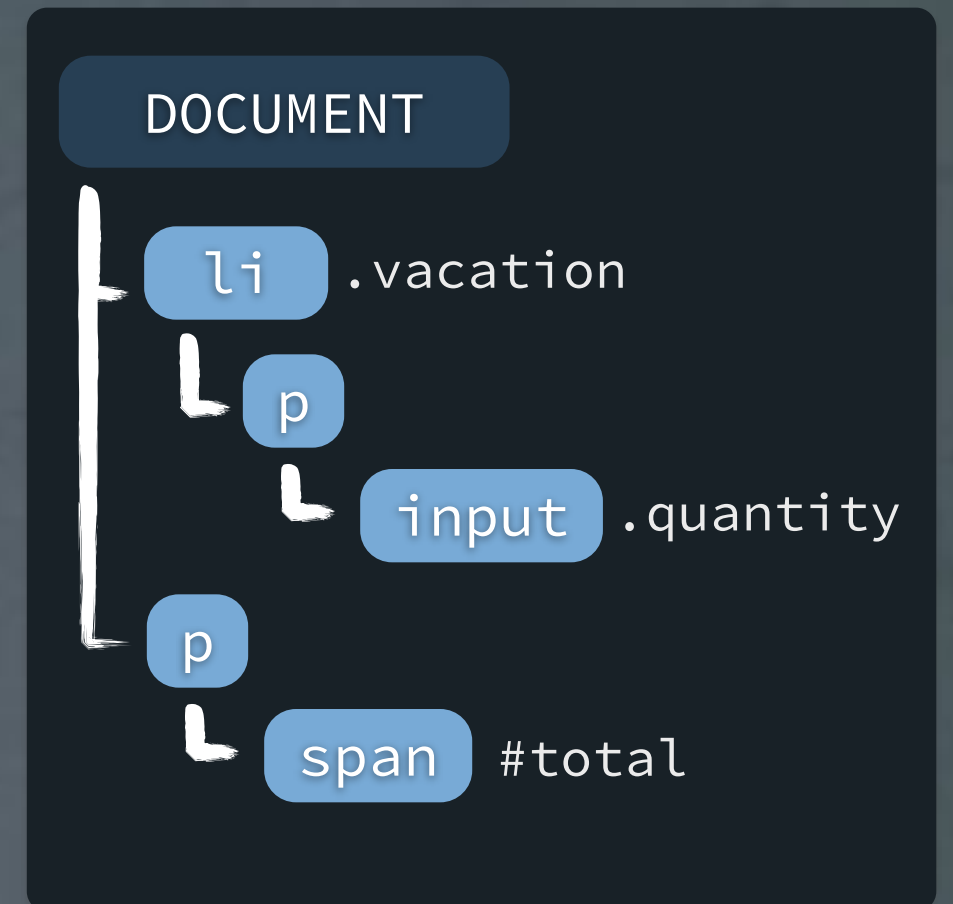
application.js

```
$(document).ready(function() {  
  $('.vacation').on('keyup', '.quantity', function() {  
    var price = +$(this).closest('.vacation').data('price');  
    var quantity = +$(this).val();  
    // Set the total to price * quantity  
  });  
});
```

```
$('#total').text(price * quantity);
```



You can pass a number or a string to the .text() method



4.3 Keyboard Events

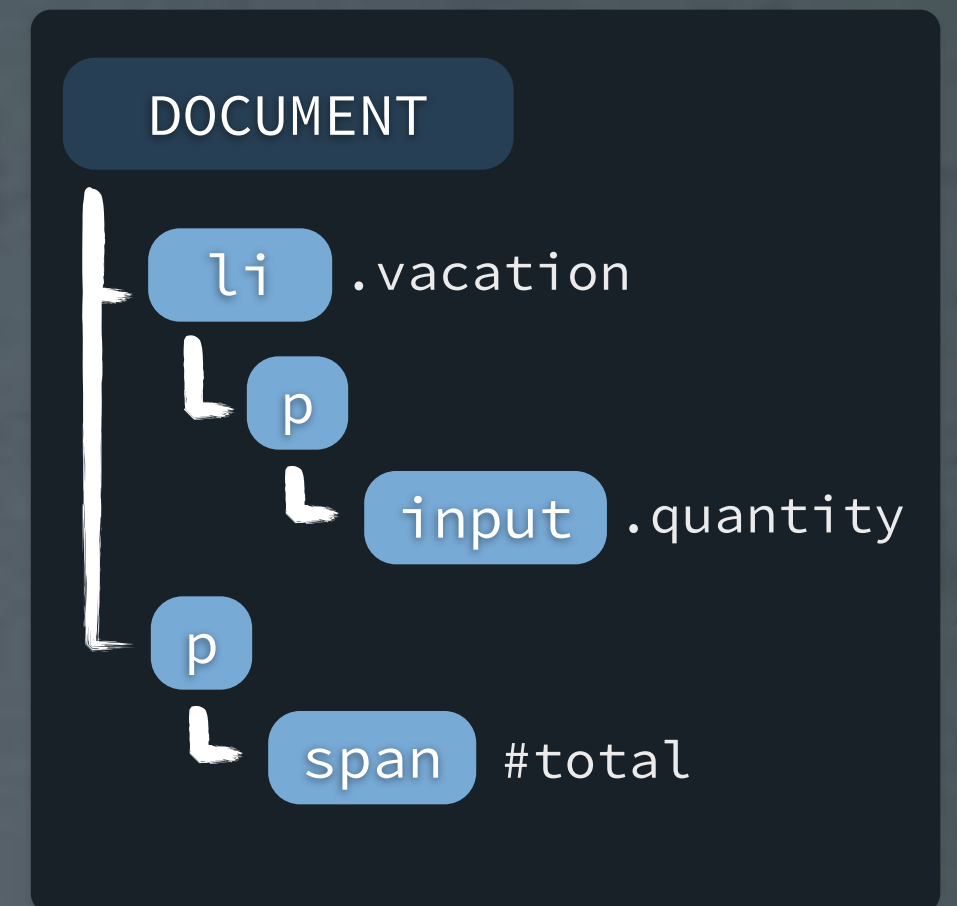
The Completed Event Handler

application.js

```
$(document).ready(function() {  
    $('.vacation').on('keyup', '.quantity', function() {  
        var price = +$(this).closest('.vacation').data('price');  
        var quantity = +$(this).val();  
        $('#total').text(price * quantity);  
    });  
});
```



Whenever the quantity is changed, the total will be updated



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Packages

Hawaiian Vacation

\$399.99 per ticket

Tickets:



Total Price: \$399.99

*The total changes
immediately as we wanted*

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