

Advanced Events

Managing Events

Both functions will be run when the button is clicked

```
function picture() { console.log('Show Plane'); }
function status() { console.log('In Service'); }

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

```
<button>Boeing 777</button>

click:picture

click:status
```

But what if later we wanted to turn off these click event handlers?

Removing event handlers

```
function picture() { console.log('Show Plane'); }
function status() { console.log('In Service'); }

$(document).ready(function() {
    $('button').on('click', picture);
    $('button').on('click', status);

    $('button').off('click');
});

Removes all of the callbacks
```

click:presure
click:status

<button>Boeing 777</putton>

jQuery Object Methods

```
off(<event name>) Stops watching for the given event
```

But what if we only want to turn off the status handler?

Namespacing Events

```
function picture() { console.log('Show Plane'); }
function status() { console.log('In Service'); }

$(document).ready(function() {
    $('button').on('click.image', picture);
    $('button').on('click.details', status);
    ...
$('button').off('click.image');
});

Would do the same thing
```

```
$('button').off('.image');
```

Removes all types of event handlers that end in .image

<button>Boeing 777</button>

click.imag::piiure

click.details:status

Only removes event handlers called click.image

Removing Namespaced Events

```
function picture() { console.log('Show Plane'); }
function status() { console.log('In Service'); }
function zoom() { console.log('Zoom Picture'); }

$(document).ready(function() {
   $('button').on('click.image', picture);
   $('button').on('click.details', status);
   $('button').on('mouseover.image', zoom);
   ...
   $('button').off('.image');
});
```

Removes all types of event

handlers that end in .image

<button>Boeing 777</button>

click.imag :picure

click.details:status

mouseover mag /oom

Triggering Events

```
function picture() { console.log('Show Plane'); }
function status() { console.log('In Service'); }
function zoom() { console.log('Zoom Picture'); }
$(document) ready(function() {
  $('button').on('click.image', picture);
  $('button').on('click.details', status);
  $('button').on('mouseover.image', zoom);
  $('button').trigger('click');
                    Similar to if the user clicked on the button
```

We can also trigger individual namespaced events

```
$('button').trigger('click.details');
```



Triggers the status function

jQuery Object Methods



trigger(<event name>)

Will trigger the given event on the target

click.image:picture

click.details:status

mouseover.image:zoom

jQuery Travels - Vacation Packages

Packages

Hawaiian Vacation
SHOW PRICE

European Getaway
SHOW PRICE

Visit Japan
SHOW PRICE

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

Implementing our vacation pricing

```
<h3>Hawaiian Vacation</h3>
 <button>Show Price/button>
Need Event Handlers
<h3>European Vacation</h3>
                                                  Hawaiian Vacation
 <button>Show Price
SHOW PRICE
<a href='#' class='show-prices'>Show All Prices</a>
First lets define the handler on the Show Price button
$('.vacation').on('click.price', 'button', showPrice)
```

We are namespacing the click event, since it is part of the price responsibility

Also using the proper delegation syntax, not

\$('.vacation button').on(...

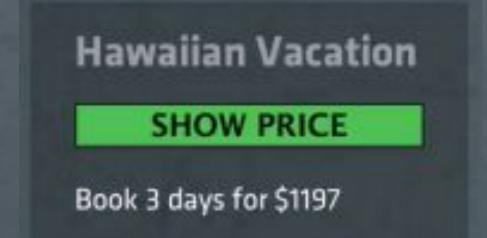


Implementing our showPrice method

```
  <h3>Hawaiian Vacation</h3>
  <button>Show Price</button>
```

```
$('.vacation').on('click.price', 'button', showPrice)

var showPrice = function() {
   var vacation = $(this).closest('.vacation');
   var price = vacation.data('price');
   var details = $('Book 3 days for $'+(3 * price)+'');
   vacation.append(details);
};
```



How do we implement show all prizes?

```
   <h3>Hawaiian Vacation</h3>
   <button>Show Price</button>

<a href='#' class='show-prices'>Show All Prices</a>
```

Show All Prices

We need to call showPrice on each of the vacation list items

```
var showPrice = function() {
   var vacation = $(this).closest('.vacation');
   var price = vacation.data('price');
   var details = $('Book 3 days for $'+(3 * price)+'');
   vacation.append(details);
};
```

We could create a custom event

```
<a href='#' class='show-prices'>Show All Prices</a>
```

Our typical event handler syntax

```
$(<dom element>).on("<event>.<namespace>", <method>)
```

The <event> can also be custom (instead of click, hover, etc)

```
$('.vacation').on('show.price', showPrice);
```

To trigger this event on all vacations

```
$('.vacation').trigger('show.price');
```

To trigger this event on a single vacation

```
$('.vacation:last').trigger('show.price');
```

Show All Prices

Our completed jQuery with custom events

```
<a href='#' class='show-prices'>Show All Prices</a>
```

```
var showPrice = function() { ... };

$('.vacation').on('click.price', 'button', showPrice)
$('.vacation').on('show.price', showPrice);

$('.show-prices').on('click', function() {
    event.preventDefault();
    $('.vacation').trigger('show.price');
};
```

jQuery Travels - Vacation Packages

Packages

Hawaiian Vacation

SHOW PRICE

European Getaway

SHOW PRICE

Show All Prices

Visit Japan

SHOW PRICE