

JQUERY

Effects and Animation

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Effects and Animation

jQuery makes it very easy to add simple visual effects to a web page

Custom animations

Styling elements

hiding and showing elements

Sequencing effects

Effects and Animation Styling elements

Change one or more CSS properties
over a specified period of time

jQuery automatically adds
transition **effects** over the
duration of this change

EXAMPLE 1

Css.html

Css.html

```
<div class="fontbox box">
    Hello!
</div>
<button id="smaller">Smaller</button>
<button id="bigger">Bigger</button>
```



Css.html

```
<div class="fontbox box">  
    Hello!  
</div>  
<button id="smaller">Smaller</button>  
<button id="bigger">Bigger</button>
```



The buttons make the text in
the box bigger or smaller

Css.html

```
<div class="fontbox box">  
    Hello!  
</div>  
<button id="smaller">Smaller</button>  
<button id="bigger">Bigger</button>
```



This is done by changing
the **font-size** CSS property
on the <div>

Css.html

```
$('#smaller').click(function() {
    var fontSizeText = $('.fontbox').css('font-size');
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));

    fontSize = Math.max(6, fontSize - 1);
    console.log('Changing font size to: ' + fontSize);

    $('.fontbox').css('font-size', fontSize + 'px');
});

$('#bigger').click(function() {
    var fontSizeText = $('.fontbox').css('font-size');
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));

    fontSize++;
    console.log('Changing font size to: ' + fontSize);

    $('.fontbox').css('font-size', fontSize + 'px');
});
```



Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

The `css()` method on the jQuery object can be used to get or set CSS properties

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Here we access the font-size
property of the <div> which
holds the text

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

It will be of the form “20px”

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Extract the integer from the text, all except the last 2 characters - this gives us the string “20”

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Use the Javascript function
parseInt() to convert the string
to an integer

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Decrement the integer, with a
lower bound of 6px

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Set the font-size property to
this new decremented value!

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Note that the `css()` function is used to get and set properties

Css.html

```
$('#smaller').click(function() {  
    var fontSizeText = $('.fontbox').css('font-size');  
    var fontSize = parseInt(fontSizeText.substring(0, fontSizeText.length - 2));  
  
    fontSize = Math.max(6, fontSize - 1);  
    console.log('Changing font size to: ' + fontSize);  
  
    $('.fontbox').css('font-size', fontSize + 'px');  
});
```

Making the font-size bigger
works exactly the same way

Css.html

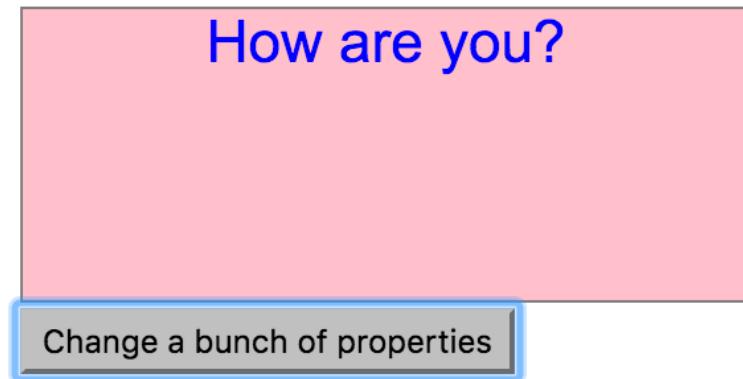
The `css()` function can also get and set **multiple** CSS properties at the same time

EXAMPLE 2

Css.html

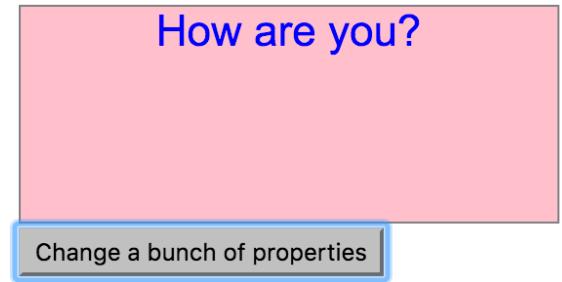
Css.html

```
<div class="propertiesbox box">  
    How are you?  
</div>  
<button id="manyProperties">Change a bunch of properties</button>
```



Css.html

```
<div class="propertiesbox box">  
    How are you?  
</div>  
<button id="manyProperties">Change a bunch of properties</button>
```



The button changes 3 CSS properties - color, background-color and font-family

Css.html

```
$('#manyProperties').click(function() {
  var colors = ['red', 'blue', 'green', 'yellow', 'grey', 'pink', 'brown', 'fuchsia'];
  var fonts = ['Arial', 'Times', 'Georgia', 'Verdana', 'Comic Sans'];

  var properties = $('.propertiesbox').css(['color', 'background-color', 'font-family']);
  console.log(properties);

  $('.propertiesbox').css({
    'color': colors[Math.floor(Math.random() * colors.length)],
    'background-color': colors[Math.floor(Math.random() * colors.length)],
    'font-family': fonts[Math.floor(Math.random() * fonts.length)]
  });
});
```

These are the fonts and colors
to cycle through at random

Css.html

```
$('#manyProperties').click(function() {
  var colors = ['red', 'blue', 'green', 'yellow', 'grey', 'pink', 'brown', 'fuchsia'];
  var fonts = ['Arial', 'Times', 'Georgia', 'Verdana', 'Comic Sans'];

  var properties = $('.propertiesbox').css(['color', 'background-color', 'font-family']);
  console.log(properties);

  $('.propertiesbox').css({
    'color': colors[Math.floor(Math.random() * colors.length)],
    'background-color': colors[Math.floor(Math.random() * colors.length)],
    'font-family': fonts[Math.floor(Math.random() * fonts.length)]
  });
});
```

Get multiple CSS properties
using the same css() function

Css.html

```
$('#manyProperties').click(function() {
  var colors = ['red', 'blue', 'green', 'yellow', 'grey', 'pink', 'brown', 'fuchsia'];
  var fonts = ['Arial', 'Times', 'Georgia', 'Verdana', 'Comic Sans'];

  var properties = $('.propertiesbox').css(['color', 'background-color', 'font-family']);
  console.log(properties);

  $('.propertiesbox').css({
    'color': colors[Math.floor(Math.random() * colors.length)],
    'background-color': colors[Math.floor(Math.random() * colors.length)],
    'font-family': fonts[Math.floor(Math.random() * fonts.length)]
  });
});
```

Specify the properties as an
array

Css.html

```
$('#manyProperties').click(function() {
  var colors = ['red', 'blue', 'green', 'yellow', 'grey', 'pink', 'brown', 'fuchsia'];
  var fonts = ['Arial', 'Times', 'Georgia', 'Verdana', 'Comic Sans'];

  var properties = $('.propertiesbox').css(['color', 'background-color', 'font-family']);
  console.log(properties);

  $('.propertiesbox').css({
    'color': colors[Math.floor(Math.random() * colors.length)],
    'background-color': colors[Math.floor(Math.random() * colors.length)],
    'font-family': fonts[Math.floor(Math.random() * fonts.length)]
  });
});
```

Log the original properties

► *Object {color: "rgb(0, 0, 0)", background-color: "rgba(0, 0, 0, 0)", font-family: "Times"}*

Css.html

```
$('#manyProperties').click(function() {
  var colors = ['red', 'blue', 'green', 'yellow', 'grey', 'pink', 'brown', 'fuchsia'];
  var fonts = ['Arial', 'Times', 'Georgia', 'Verdana', 'Comic Sans'];

  var properties = $('.propertiesbox').css(['color', 'background-color', 'font-family']);
  console.log(properties);

  $('.propertiesbox').css({
    'color': colors[Math.floor(Math.random() * colors.length)],
    'background-color': colors[Math.floor(Math.random() * colors.length)],
    'font-family': fonts[Math.floor(Math.random() * fonts.length)]
  });
});
```

Set new values for these properties
using the same css() function

Css.html

```
$('#manyProperties').click(function() {
  var colors = ['red', 'blue', 'green', 'yellow', 'grey', 'pink', 'brown', 'fuchsia'];
  var fonts = ['Arial', 'Times', 'Georgia', 'Verdana', 'Comic Sans'];

  var properties = $('.propertiesbox').css(['color', 'background-color', 'font-family']);
  console.log(properties);

  $('.propertiesbox').css({
    'color': colors[Math.floor(Math.random() * colors.length)],
    'background-color': colors[Math.floor(Math.random() * colors.length)],
    'font-family': fonts[Math.floor(Math.random() * fonts.length)]
  });
});
```

The properties should be in a Javascript object with the right property names

Effects and Animation

jQuery makes it very easy to add simple visual effects to a web page

Custom animations

Styling elements

hiding and showing elements

Sequencing effects

Effects and Animation hiding and showing elements

Elements can be hidden and displayed with a variety of effects

These are visually pleasing and add a flourish to your page

EXAMPLE 1

ShowAndHide.html

ShowAndHide.html

```
<div class="readmore link">  
    Read...  
</div>  
<div class="readless link">  
    Hide...  
</div>  
<br>  
<div class="readmoreslow link">  
    Read slow animation...  
</div>  
<div class="readlessslow link">  
    Hide slow animation...  
</div>  
<br>  
<div class="readmorefast link">  
    Read fast animation...  
</div>  
<div class="readlessfast link">  
    Hide fast animation...  
</div>  
<br>  
<div class="readmorecustom link">  
    Read custom animation...  
</div>  
<div class="readlesscustom link">  
    Hide custom animation...  
</div>  
<div class="article">  
    ...  
</div>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

Read...	Hide...
Read slow animation...	Hide slow animation...
Read fast animation...	Hide fast animation...
Read custom animation...	Hide custom animation...

ShowAndHide.html

```
<div class="readmore link">  
    Read...  
</div>  
<div class="readless link">  
    Hide...  
</div>  
<br>  
<div class="readmoreslow link">  
    Read slow animation...  
</div>  
<div class="readlessslow link">  
    Hide slow animation...  
</div>  
<br>  
<div class="readmorefast link">  
    Read fast animation...  
</div>  
<div class="readlessfast link">  
    Hide fast animation...  
</div>  
<br>  
<div class="readmorecustom link">  
    Read custom animation...  
</div>  
<div class="readlesscustom link">  
    Hide custom animation...  
</div>  
<div class="article">  
    ...  
</div>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

Read...	Hide...
Read slow animation...	Hide slow animation...
Read fast animation...	Hide fast animation...
Read custom animation...	Hide custom animation...

These buttons hide and show the article at different speeds

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});

$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});

$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});

$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});

$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

Every jQuery object has the hide() and show() functions

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});

$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});

$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});

$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});

$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

hide() sets the
display property
to “none”

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});
$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});
$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});
$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});
$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

The hidden content has zero width and height, and does not take up any space on the page

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});
$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});
$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});
$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});
$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

**show() restores
the property to
whatever it was
previously**

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});

$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});

$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});

$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});

$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

The transition duration can be controlled by specifying 'slow', 'normal' or 'fast' as the input argument

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});
$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});
$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});
$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});
$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

The default values
are **600ms** for
slow, **200ms** for
fast and **400ms**
for the normal
speed

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});
$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});
$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});
$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});
$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

You can redefine these
or set your own by
setting globals in this
namespace
jQuery.fx.speeds.*

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});
$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});
$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});
$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});
$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

jQuery.fx.speeds.fast = 150
jQuery.fx.speeds.superfast = 50
jQuery.fx.speeds.painfullyslow = 2000

ShowAndHide.html

```
$('.readmore').on('click', function() {
    $('.article').show();
});
$('.readless').on('click', function() {
    $('.article').hide();
});

$('.readmoreslow').on('click', function() {
    $('.article').show('slow');
});
$('.readlessslow').on('click', function() {
    $('.article').hide('slow');
});

$('.readmorefast').on('click', function() {
    $('.article').show('fast');
});
$('.readlessfast').on('click', function() {
    $('.article').hide('fast');
});

$('.readmorecustom').on('click', function() {
    $('.article').show(2000);
});
$('.readlesscustom').on('click', function() {
    $('.article').hide(2000);
});
```

Or just specify a
custom speed in ms
as the input
argument!

Effects and Animation

jQuery makes it very easy to add simple visual effects to a web page

Custom animations

Styling elements

Hiding and showing elements

Sequencing effects

Effects and Animation

Custom animations

Using the basic elements you can build up your own custom, complex animations

The basic animations serve as building blocks

EXAMPLE 1

FadeInAndFadeOut.html

FadeInAndFadeOut.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="readmore link">
    Read...
</div>
<div class="readless link">
    Hide...
</div>
<br>
<div class="readmoreslow link">
    Read slow animation...
</div>
<div class="readlessslow link">
    Hide slow animation...
</div>
<br>
<div class="readmorefast link">
    Read fast animation...
</div>
<div class="readlessfast link">
    Hide fast animation...
</div>
<br>
<div class="readmorecustom link">
    Read custom animation...
</div>
<div class="readlesscustom link">
    Hide custom animation...
</div>
<div class="article">
</div>
<br>
</body>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

Read...	Hide...
Read slow animation...	Hide slow animation...
Read fast animation...	Hide fast animation...
Read custom animation...	Hide custom animation...

FadeInAndFadeOut.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').fadeIn();
    });
    $('.readless').on('click', function() {
        $('.article').fadeOut();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').fadeIn('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').fadeOut('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').fadeIn('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').fadeOut('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').fadeIn(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').fadeOut(2000);
    });
});
```

The fadeIn() and
fadeOut() works
exactly like show()
and hide()

FadeInAndFadeOut.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').fadeIn();
    });
    $('.readless').on('click', function() {
        $('.article').fadeOut();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').fadeIn('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').fadeOut('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').fadeIn('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').fadeOut('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').fadeIn(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').fadeOut(2000);
    });
});
```

It uses the fade animation which rapidly changes the opacity of the content

FadeInAndFadeOut.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').fadeIn();
    });
    $('.readless').on('click', function() {
        $('.article').fadeOut();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').fadeIn('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').fadeOut('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').fadeIn('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').fadeOut('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').fadeIn(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').fadeOut(2000);
    });
});
```

The speeds can be
slow or fast

FadeInAndFadeOut.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').fadeIn();
    });
    $('.readless').on('click', function() {
        $('.article').fadeOut();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').fadeIn('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').fadeOut('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').fadeIn('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').fadeOut('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').fadeIn(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').fadeOut(2000);
    });
});
```

Or a custom speed

Effects and Animation

jQuery makes it very easy to add simple visual effects to a web page

Styling elements

Sequencing effects

Custom animations

hiding and showing elements

Effects and Animation

Sequencing effects

Animations can be played one after another in a sequence

This allows us to build up more complicated custom animations

EXAMPLE

SlideUpAndSlideDown.htm

SlideUpAndSlideDown.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="readmore link">
    Read...
</div>
<div class="readless link">
    Hide...
</div>
<br>
<div class="readmoreslow link">
    Read slow slide down...
</div>
<div class="readlessslow link">
    Hide slow slide up...
</div>
<br>
<div class="readmorefast link">
    Read fast slide down...
</div>
<div class="readlessfast link">
    Hide fast slide up...
</div>
<br>
<div class="readmorecustom link">
    Read custom slide down...
</div>
<div class="readlesscustom link">
    Hide custom slide up...
</div>
<div class="article">
...
</div>
<br>
</body>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

Read...	Hide...
Read slow slide down...	Hide slow slide up...
Read fast slide down...	Hide fast slide up...
Read custom slide down...	Hide custom slide up...

SlideUpAndSlideDown.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').slideDown();
    });
    $('.readless').on('click', function() {
        $('.article').slideUp();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').slideDown('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').slideUp('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').slideDown('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').slideUp('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').slideDown(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').slideUp(2000);
    });
});
```

Slide animations
are accomplished by
rapidly changing
the height property
of the CSS element

SlideUpAndSlideDown.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').slideDown();
    });
    $('.readless').on('click', function() {
        $('.article').slideUp();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').slideDown('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').slideUp('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').slideDown('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').slideUp('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').slideDown(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').slideUp(2000);
    });
});
```

The same arguments can be specified for the duration of the animation

SlideUpAndSlideDown.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmore').on('click', function() {
        $('.article').slideDown();
    });
    $('.readless').on('click', function() {
        $('.article').slideUp();
    });

    $('.readmoreslow').on('click', function() {
        $('.article').slideDown('slow');
    });
    $('.readlessslow').on('click', function() {
        $('.article').slideUp('slow');
    });

    $('.readmorefast').on('click', function() {
        $('.article').slideDown('fast');
    });
    $('.readlessfast').on('click', function() {
        $('.article').slideUp('fast');
    });

    $('.readmorecustom').on('click', function() {
        $('.article').slideDown(2000);
    });
    $('.readlesscustom').on('click', function() {
        $('.article').slideUp(2000);
    });
});
```

**slow, fast, normal,
or a custom number
in milliseconds**

EXAMPLE

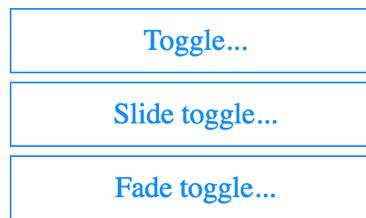
Toggle.html

Toggle.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="toggle link">
    Toggle...
</div>
<br>
<div class="slidetoggleslow link">
    Slide toggle...
</div>
<br>
<div class="fadetogglecustom link">
    Fade toggle...
</div>
<div class="article">
...
</div>
<br>
</body>
```

How India's digital economy can rediscover its mojo

Haresh Chawla



Toggle.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="toggle link">
    Toggle...
</div>
<br>
<div class="slidetoggleslow link">
    Slide toggle...
</div>
<br>
<div class="fadetogglecustom link">
    Fade toggle...
</div>
<div class="article">
...
</div>
<br>
</body>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

Toggle...

Slide toggle...

Fade toggle...

Toggle reduces the cognitive
overload for the user who
interacts with the webpage

Toggle.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="toggle link">
    Toggle...
</div>
<br>
<div class="slidetoggleslow link">
    Slide toggle...
</div>
<br>
<div class="fadetogglecustom link">
    Fade toggle...
</div>
<div class="article">
...
</div>
<br>
</body>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

Toggle...

Slide toggle...

Fade toggle...

jQuery internally tracks
the current state of the
element

Toggle.html

```
$(document).ready(function () {  
    $('.article').hide();  
  
    $('.toggle').on('click', function() {  
        $('.article').toggle();  
    });  
  
    $('.slidetoggleslow').on('click', function() {  
        $('.article').slideToggle('slow');  
    });  
  
    $('.fadetogglecustom').on('click', function() {  
        $('.article').fadeToggle(2000);  
    });  
});
```

jQuery internally tracks
the current state of the
element

Toggle.html

```
$(document).ready(function () {  
    $('.article').hide();  
  
    $('.toggle').on('click', function() {  
        $('.article').toggle();  
    });  
  
    $('.slidetoggleslow').on('click', function() {  
        $('.article').slideToggle('slow');  
    });  
  
    $('.fadetogglecustom').on('click', function() {  
        $('.article').fadeToggle(2000);  
    });  
});
```

It simply toggles the state
when we apply the effect

Toggle.html

```
$(document).ready(function () {  
    $('.article').hide();  
  
    $('.toggle').on('click', function() {  
        $('.article').toggle();  
    });  
  
    $('.slidetoggleslow').on('click', function() {  
        $('.article').slideToggle('slow');  
    });  
  
    $('.fadetogglecustom').on('click', function() {  
        $('.article').fadeToggle(2000);  
    });  
});
```

You can choose the effect you want on the toggle by calling the slideToggle() or fadeToggle() method

Toggle.html

```
$(document).ready(function () {  
    $('.article').hide();  
  
    $('.toggle').on('click', function() {  
        $('.article').toggle();  
    });  
  
    $('.slidetoggleslow').on('click', function() {  
        $('.article').slideToggle('slow');  
    });  
  
    $('.fadetogglecustom').on('click', function() {  
        $('.article').fadeToggle(2000);  
    });  
});
```

The animation duration
can be controlled exactly
like we've done so far

JQUERY

How do animations work?

How do animations work?

The use of animation functions in jQuery such as `hide()`, `fadeIn()`, `slideDown()` etc only kick off the animation

The changes to the CSS property is done in a `setInterval()` loop

How do animations work?

Consider the `fadeOut()` animation

This changes the **opacity** of the element to which it is applied

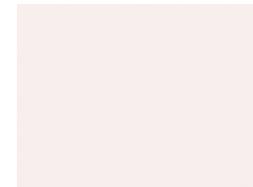
How do animations work?

Consider the `fadeOut()` animation

This changes the **opacity** of the
element to which it is applied



`opacity = 1`



`opacity = 0.1`

How do animations work?

Consider the `fadeOut()` animation



opacity = 1

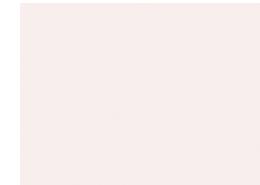


opacity = 0.1

Imagine that jQuery sets up a
function kind of like this

How do animations work?

Consider the `fadeOut()` animation



`opacity = 1`

`opacity = 0.1`

```
var currentOpacity = 1;
var finalOpacity = 0.1;
var id = setInterval(function() {
    $('.article').css('opacity', currentOpacity);
    currentOpacity = currentOpacity - 0.1;
    if (currentOpacity < finalOpacity) {
        clearInterval(id);
    }
}, 100);
```

How do animations work?



opacity = 1 opacity = 0.1

```
var currentOpacity = 1;  
var finalOpacity = 0.1;  
var id = setInterval(function() {  
    $('.article').css('opacity', currentOpacity);  
    currentOpacity = currentOpacity - 0.1;  
    if (currentOpacity < finalOpacity) {  
        clearInterval(id);  
    }  
}, 100);
```

, Set up the initial opacity and the final opacity of the animation

How do animations work?



opacity = 1 opacity = 0.1

```
var currentOpacity = 1;  
var finalOpacity = 0.1;  
var id = setInterval(function() {  
    $('.article').css('opacity', currentOpacity);  
    currentOpacity = currentOpacity - 0.1;  
    if (currentOpacity <= finalOpacity)  
        clearInterval(id);  
}, 100);
```

At intervals of 0.1 seconds
update the value of the opacity
property on the element

How do animations work?



opacity = 1 opacity = 0.1

```
var currentOpacity = 1;
var finalOpacity = 0.1;
var id = setInterval(function() {
    $('.article').css('opacity', currentOpacity);
    currentOpacity = currentOpacity - 0.1;
    if (currentOpacity < finalOpacity) {
        clearInterval(id);
    }
}, 100);
```

Get the current opacity and
slowly reduce it

How do animations work?



opacity = 1 opacity = 0.1

```
var currentOpacity = 1;
var finalOpacity = 0.1;
var id = setInterval(function() {
    $('.article').css('opacity', currentOpacity);
    currentOpacity = currentOpacity - 0.1;
    if (currentOpacity < finalOpacity) {
        clearInterval(id);
    }
}, 100);
```

Stop changing the opacity if
the final value has been reached

How do animations work?



opacity = 1 opacity = 0.1

```
var currentOpacity = 1;
var finalOpacity = 0.1;
var id = setInterval(function() {
    $('.article').css('opacity', currentOpacity);
    currentOpacity = currentOpacity - 0.1;
    if (currentOpacity < finalOpacity) {
        clearInterval(id);
    }
}, 100);
```

This setInterval() loop is what gives us the animation effects

EXAMPLE

ActionAfterAnimation.htm

ActionAfterAnimation.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="readmorewith link">
    Read (highlight in parallel)
</div>
<div class="readmoreafter link">
    Read (highlight after)
</div>
<div class="readless link">
    Hide
</div>
<div class="article">
...
</div>
<br>
</body>
```

How India's digital economy can rediscover its mojo

Haresh Chawla

[Read \(highlight in parallel\)](#)

[Read \(highlight after\)](#)

[Hide](#)

ActionAfterAnimation.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="readmorewith link">
    Read (highlight in parallel)
</div>
<div class="readmoreafter link">
    Read (highlight after)
</div>
<div class="readless link">
    Hide
</div>
<div class="article">
...
</div>
<br>
</body>
```

The paragraph is
highlighted almost as
soon as the
animation begins

ActionAfterAnimation.html

```
<body>
<h3>How India's digital economy can rediscover its mojo</h3>
<h4>Haresh Chawla</h4>
<div class="readmorewith link">
  Read (highlight in parallel)
</div>
<div class="readmoreafter link">
  Read (highlight after)
</div>
<div class="readless link">
  Hide
</div>
<div class="article">
...
</div>
<br>
</body>
```

The paragraph is
highlighted after the
animation is
complete

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });

    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });

    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

Notice that we called the **fadeIn()** and then the **addClass()** for the highlight

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });
    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });
    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

This just **kicks off the fadeIn()** - it does not wait for it to complete

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });
    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });
    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

The `addClass()` is called immediately after, not when the `fadeIn()` is complete

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });
    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });
    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

This is why for almost the entire duration of the fadeIn() the text is red in color

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });
    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });
    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

In order to add the highlight after
the animation is complete you need
to specify things a little differently

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });
    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });
    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

Pass in a function to the fadeIn()
method after the duration
argument

ActionAfterAnimation.html

```
$(document).ready(function () {
    $('.article').hide();

    $('.readmorewith').on('click', function() {
        $('.article').fadeIn(3000).addClass('highlight');
    });
    $('.readmoreafter').on('click', function() {
        $('.article').fadeIn(3000, function() {
            $(this).addClass('highlight');
        });
    });
    $('.readless').on('click', function() {
        $('.article').hide().removeClass('highlight');
    });
});
```

This function is called when the animation is complete!

EXAMPLE

Animate.html

Animate.html

The animate() function can be used to animate arbitrary CSS properties of an element

```
.animate(properties [, duration] [, easing] [, complete])
```

Animate.html

```
.animate(properties [, duration] [, easing] [, complete])
```

One or more properties can be
changed at the same time

Animate.html

`.animate(properties [, duration] [, easing] [, complete])`

A Javascript object which specifies
what the CSS property values should
be at the end of the animation

Animate.html

.animate(properties [, duration] [, easing] [, complete])

How long the animation should run

Animate.html

```
.animate(properties [, duration] [, easing] [, complete])
```

How the transition should progress
- at a linear rate, start slow and then speed up

Animate.html

.animate(properties [, duration] [, easing] [, complete])

A function to call once the
animation is complete

styles

Required. Specifies one or more CSS properties/values to animate.

Note: The property names must be camel-cased when used with the `animate()` method: You will need to write `paddingLeft` instead of `padding-left`, `marginRight` instead of `margin-right`, and so on.

Properties that can be animated:

- `backgroundPositionX`
- `backgroundPositionY`
- `borderWidth`
- `borderBottomWidth`
- `borderLeftWidth`
- `borderRightWidth`
- `borderTopWidth`
- `borderSpacing`
- `margin`
- `marginBottom`
- `marginLeft`
- `marginRight`
- `marginTop`
- `outlineWidth`
- `padding`
- `paddingBottom`
- `paddingLeft`
- `paddingRight`
- `paddingTop`
- `height`
- `width`
- `maxHeight`
- `maxWidth`
- `minHeight`
- `minWidth`
- `fontSize`
- `bottom`
- `left`
- `right`
- `top`
- `letterSpacing`
- `wordSpacing`
- `lineHeight`
- `textIndent`

Only numeric values can be animated (like "margin:30px"). String values cannot be animated (like "background-color:red"), except for the strings "show", "hide" and "toggle". These values allow hiding and showing the animated element.

speed

Optional. Specifies the speed of the animation. Default value is 400 milliseconds

Possible values:

- milliseconds (like 100, 1000, 5000, etc)
- "slow"
- "fast"

easing

Optional. Specifies the speed of the element in different points of the animation. Default value is "swing". Possible values:

- "swing" - moves slower at the beginning/end, but faster in the middle
- "linear" - moves in a constant speed

Tip: More easing functions are available in external plugins.

callback

Optional. A function to be executed after the animation completes.

Animate.html

```
<body>
<div class="small link">
    Small
</div>
<div class="medium link">
    Medium
</div>
<div class="big link">
    Big
</div>
<div class="text">
    Loonycorn rocks!
</div>
<br>
</body>
```

Small

Medium

Big

Loonycorn rocks!

Animate.html

```
$('document').ready(function () {
  $('small').click(function() {
    $('.text').animate({
      'font-size': '16px',
      'opacity': '0.25'
    },
    2000,
    function() {
      console.log('Make small done!');
    }
  });
  $('medium').click(function() {
    $('.text').animate({
      'font-size': '44px',
      'opacity': '0.6'
    },
    2000,
    function() {
      console.log('Make medium done!');
    }
  });
  $('big').click(function() {
    $('.text').animate({
      'font-size': '88px',
      'opacity': '1'
    },
    2000,
    function() {
      console.log('Make big done!');
    }
  });
});
```

Each button click calls animate() on the text and sets up some final CSS properties

Animate.html

```
$('document').ready(function () {
  $('.small').click(function() {
    $('.text').animate({
      'font-size': '16px',
      'opacity': '0.25'
    },
    2000,
    function() {
      console.log('Make small done!');
    }
  });
  $('.medium').click(function() {
    $('.text').animate({
      'font-size': '44px',
      'opacity': '0.6'
    },
    2000,
    function() {
      console.log('Make medium done!');
    }
  });
  $('.big').click(function() {
    $('.text').animate({
      'font-size': '88px',
      'opacity': '1'
    },
    2000,
    function() {
      console.log('Make big done!');
    }
  });
});
```

Notice the small,
medium and large
font sizes

Animate.html

```
$('document').ready(function () {
  $('.small').click(function() {
    $('.text').animate({
      'font-size': '16px',
      'opacity': '0.25'
    },
    2000,
    function() {
      console.log('Make small done!');
    }
  });
  $('.medium').click(function() {
    $('.text').animate({
      'font-size': '44px',
      'opacity': '0.6'
    },
    2000,
    function() {
      console.log('Make medium done!');
    }
  });
  $('.big').click(function() {
    $('.text').animate({
      'font-size': '88px',
      'opacity': '1'
    },
    2000,
    function() {
      console.log('Make big done!');
    }
  });
});
```

This is what the CSS properties of the text should be at the **end** of the animation

Animate.html

```
$('document').ready(function () {
  $('.small').click(function() {
    $('.text').animate({
      'font-size': '16px',
      'opacity': '0.25'
    },
    2000,
    function() {
      console.log('Make small done!');
    }
  });
  $('.medium').click(function() {
    $('.text').animate({
      'font-size': '44px',
      'opacity': '0.6'
    },
    2000,
    function() {
      console.log('Make medium done!');
    }
  });
  $('.big').click(function() {
    $('.text').animate({
      'font-size': '88px',
      'opacity': '1'
    },
    2000,
    function() {
      console.log('Make big done!');
    }
  });
});
```

We change the opacity along with the font size

Animate.html

```
$('document').ready(function () {
  $('.small').click(function() {
    $('.text').animate({
      'font-size': '16px',
      'opacity': '0.25'
    },
    2000,
    function() {
      console.log('Make small done!');
    }
  });
  $('.medium').click(function() {
    $('.text').animate({
      'font-size': '44px',
      'opacity': '0.6'
    },
    2000,
    function() {
      console.log('Make medium done!');
    }
  });
  $('.big').click(function() {
    $('.text').animate({
      'font-size': '88px',
      'opacity': '1'
    },
    2000,
    function() {
      console.log('Make big done!');
    }
  });
});
```

This is the duration
of the animation

Animate.html

```
$('document').ready(function () {
    $('.small').click(function() {
        $('.text').animate({
            'font-size': '16px',
            'opacity': '0.25'
        },
        2000,
        function() {
            console.log('Make small done!');
        }
    });
    $('.medium').click(function() {
        $('.text').animate({
            'font-size': '44px',
            'opacity': '0.6'
        },
        2000,
        function() {
            console.log('Make medium done!');
        }
    });
    $('.big').click(function() {
        $('.text').animate({
            'font-size': '88px',
            'opacity': '1'
        },
        2000,
        function() {
            console.log('Make big done!');
        }
    });
});
```

This is the function
called at the
completion of the
animation

Animate.html

```
$('document').ready(function () {
  $('.small').click(function() {
    $('.text').animate({
      'font-size': '16px',
      'opacity': '0.25'
    },
    2000,
    function() {
      console.log('Make small done!');
    }
  });
  $('.medium').click(function() {
    $('.text').animate({
      'font-size': '44px',
      'opacity': '0.6'
    },
    2000,
    function() {
      console.log('Make medium done!');
    }
  });
  $('.big').click(function() {
    $('.text').animate({
      'font-size': '88px',
      'opacity': '1'
    },
    2000,
    function() {
      console.log('Make big done!');
    }
  });
});
```

We've not specified
an easing for the
animation here -
the default is
swing

Animate.html

```
$('document').ready(function () {
    $('.small').click(function() {
        $('.text').animate({
            'font-size': '16px',
            'opacity': '0.25'
        },
        2000,
        function() {
            console.log('Make small done!');
        }
    });
    $('.medium').click(function() {
        $('.text').animate({
            'font-size': '44px',
            'opacity': '0.6'
        },
        2000,
        function() {
            console.log('Make medium done!');
        }
    });
    $('.big').click(function() {
        $('.text').animate({
            'font-size': '88px',
            'opacity': '1'
        },
        2000,
        function() {
            console.log('Make big done!');
        }
    });
});
```

Swing transitions
start slowly and
speed up towards
the end

EXAMPLE

MoreAnimate.html

MoreAnimate.html

```
<body>
<div class="left link">
    Left
</div>
<div class="right link">
    Right
</div>
<div class="up link">
    Up
</div>
<div class="down link">
    Down
</div>
<div class="text">
    Loonycorn rocks!
</div>
<br>
</body>
```

Left

Right

Up

Down

Loonycorn rocks!

MoreAnimate.html

```
$(document).ready(function () {
    $('.left').click(function() {
        $('.text').animate({
            'left': ['-=200', 'swing'],
            'opacity': ['-=0.1', 'swing']
        },
        2000,
        function() {
            console.log('Left and lighter!');
        }
    });
    $('.right').click(function() {
        $('.text').animate({
            'left': ['+=200', 'swing'],
            'opacity': ['+=0.1', 'linear']
        },
        2000,
        function() {
            console.log('Right and darker!');
        }
    });
    $('.up').click(function() {
        $('.text').animate({
            'top': ['-=200', 'swing']
        },
        2000,
        function() {
            console.log('Up!');
        }
    });
    $('.down').click(function() {
        $('.text').animate({
            'top': ['+=200', 'linear']
        },
        2000,
        function() {
            console.log('Down!');
        }
    });
});
```

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

The animate() method changes 2 properties of the text element

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

The left position and the opacity
of the text

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': [ '--200', 'swing'],
        'opacity': [ '--0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

Note that the changes to these properties are **relative** to the current values of these properties

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

The Left button **subtracts** 200px
from the current value of the left
property

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

This is what moves the text to the left - the origin is the top left of the screen

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

Moving left also reduces the opacity by 0.1

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

Each property can specify its own easing function, in this case **swing**

MoreAnimate.html

```
$('.left').click(function() {
    $('.text').animate({
        'left': ['-=200', 'swing'],
        'opacity': ['-=0.1', 'swing']
    },
    2000,
    function() {
        console.log('Left and lighter!');
    }
});
```

Duration and the function to call
when the animation is complete!

EXAMPLE

StopAnimate.html

StopAnimate.html

```
<body>
<div class="start link">
    Start animation!
</div>
<div class="stopone link">
    Stop one animation
</div>
<div class="stopall link">
    Stop all!
</div>
<div class="text">
    Loonycorn
</div>
<br>
</body>
```

Start animation!

Stop one animation

Stop all!

Loonycorn

StopAnimate.html

```
$(document).ready(function () {
    var randomProperties = [
        {
            'left': '-=800',
            'opacity': '-=0.1'
        },
        {
            'left': '+=800',
            'opacity': '+=0.1'
        },
        {
            'top': '-=800',
            'opacity': '-=0.1'
        },
        {
            'top': '+=800',
            'opacity': '+=0.1'
        }
    ];

    $('.start').click(function() {
        $('.text').each(function() {
            $(this).animate(
                randomProperties[Math.floor(Math.random() * randomProperties.length)],
                16000
            );
        });
    });

    $('.stopone').click(function() {
        $('.text').filter(':animated').first().stop();
    });

    $('.stopall').click(function() {
        $('.text').filter(':animated').stop();
    });
});
```

Apply animations at
random to the
Loonycorn text

StopAnimate.html

```
$(document).ready(function () {  
    var randomProperties = [  
        {  
            'left': '-=800',  
            'opacity': '-=0.1'  
        },  
        {  
            'left': '+=800',  
            'opacity': '+=0.1'  
        },  
        {  
            'top': '-=800',  
            'opacity': '-=0.1'  
        },  
        {  
            'top': '+=800',  
            'opacity': '+=0.1'  
        }  
    ];  
  
    $('.start').click(function() {  
        $('.text').each(function() {  
            $(this).animate(  
                randomProperties[Math.floor(Math.random() * randomProperties.length)],  
                16000  
            );  
        });  
    });  
    $('.stopone').click(function() {  
        $('.text').stop(true);  
    });  
});
```

These are 4 objects
which change CSS
properties of an
element

StopAnimate.html

```
$(document).ready(function () {
  var randomProperties = [
    {
      'left': '-=800',
      'opacity': '-=0.1'
    },
    {
      'left': '+=800',
      'opacity': '+=0.1'
    },
    {
      'top': '-=800',
      'opacity': '-=0.1'
    },
    {
      'top': '+=800',
      'opacity': '+=0.1'
    }
  ];

  $('.start').click(function() {
    $('.text').each(function() {
      $(this).animate(
        randomProperties[Math.floor(Math.random() * randomProperties.length)],
        16000
      );
    });
  });

  $('.stopone').click(function() {
    // Stop the first element's animation
  });
});
```

This moves the element to the left and reduces the opacity

StopAnimate.html

```
$(document).ready(function () {
  var randomProperties = [
    {
      'left': '-=800',
      'opacity': '--=0.1'
    },
    {
      'left': '+=800',
      'opacity': '+=0.1'
    },
    {
      'top': '-=800',
      'opacity': '--=0.1'
    },
    {
      'top': '+=800',
      'opacity': '+=0.1'
    }
  ];

  $('.start').click(function() {
    $('.text').each(function() {
      $(this).animate(
        randomProperties[Math.floor(Math.random() * randomProperties.length)],
        16000
      );
    });
  });

  $('.stopone').click(function() {
    // Stop the animation
  });
});
```

This moves the element down and increases the opacity

```
        'top': '-=500',
        'opacity': '+=0.1'
    });
};

$('.start').click(function() {
    $('.text').each(function() {
        $(this).animate(
            randomProperties[Math.floor(Math.random() * randomProperties.length)],
            16000
        );
    });
});
$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

StopAnimate.html

Clicking the start button kick starts the animations on the Loonycorn text

StopAnimate.html

```
        'top': '-=500',
        'opacity': '+=0.1'
    });
};

$('.start').click(function() {
    $('.text').each(function() {
        $(this).animate(
            randomProperties[Math.floor(Math.random() * randomProperties.length)],
            16000
        );
    });
});
$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

The **.each()** function is a way to iterate over all selected jQuery objects

```
        'top': '-=500',
        'opacity': '+=0.1'
    });
};

$('.start').click(function() {
    $('.text').each(function() {
        $(this).animate(
            randomProperties[Math.floor(Math.random() * randomProperties.length)],
            16000
        );
    });
});

$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

StopAnimate.html

The function is applied to every selected element

StopAnimate.html

```
        'top': '-=500',
        'opacity': '+=0.1'
    });
};

$('.start').click(function() {
    $('.text').each(function() {
        $(this).animate(
            randomProperties[Math.floor(Math.random() * randomProperties.length)],
            16000
        );
    });
});

$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

Within the function we kick start an animation

StopAnimate.html

```
        'top': '-=50',
        'opacity': '+=0.1'
    });
};

$('.start').click(function() {
    $('.text').each(function() {
        $(this).animate(
            randomProperties[Math.floor(Math.random() * randomProperties.length)],
            16000
        );
    });
});
$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

Each selected element has a random animation applied to it

StopAnimate.html

```
        'top': '-=500',
        'opacity': '+=0.1'
    });
};

$('.start').click(function() {
    $('.text').each(function() {
        $(this).animate(
            randomProperties[Math.floor(Math.random() * randomProperties.length)],
            16000
        );
    });
});
$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

The animation runs for 16 seconds
(gives us a chance to stop it)

StopAnimate.html

```
$('.stopone').click(function() {
    $('.text').filter(':animated').first().stop();
});
$('.stopall').click(function() {
    $('.text').filter(':animated').stop();
});
});
```

This button stops just one of the
animations in progress on this page

StopAnimate.html

```
});  
});  
});  
$('.stopone').click(function() {  
    $('.text').filter(':animated').first().stop();  
});  
$('.stopall').click(function() {  
    $('.text').filter(':animated').stop();  
});  
});
```

The `filter(':animated')` method
selects all animated objects (which
have the “text” class applied)

StopAnimate.html

```
});  
});  
});  
$('.stopone').click(function() {  
    $('.text').filter(':animated').first().stop();  
});  
$('.stopall').click(function() {  
    $('.text').filter(':animated').stop();  
});  
});
```

The animations have to be in
progress

StopAnimate.html

```
});  
});  
$('.stopone').click(function() {  
    $('.text').filter(':animated').first().stop();  
});  
$('.stopall').click(function() {  
    $('.text').filter(':animated').stop();  
});  
});
```

Find the first one

StopAnimate.html

And stop it!

StopAnimate.html

```
$(document).ready(function() {  
    $('#text').text('I am  
an  
example  
of  
text  
that  
will  
be  
animated  
when  
you  
click  
the  
button  
below  
me');  
  
    $('#text').animate({  
        opacity: 0.5  
    }, 10000);  
  
    $('.stopone').click(function() {  
        $('.text').filter(':animated').first().stop();  
    });  
    $('.stopall').click(function() {  
        $('.text').filter(':animated').stop();  
    });  
});
```

You can stop all animations in one go as well

StopAnimate.html

```
});  
});  
});  
$('.stopone').click(function() {  
    $('.text').filter(':animated').first().stop();  
});  
$('.stopall').click(function() {  
    $('.text').filter(':animated').stop();  
});  
});
```

Call the **stop()** function with all
animated elements selected

EXAMPLE

DelayAnimate.html

DelayAnimate.html

```
<body>
<div class="start link">
    Start
</div>
<div class="text delay">
    Loonycorn
</div>
<div class="text nodelay">
    Loonycorn
</div>
<br>
</body>
```

Start

Loonycorn

DelayAnimate.html

```
<body>
<div class="start link">
    Start
</div>
<div class="text delay">
    Loonycorn
</div>
<div class="text nodelay">
    Loonycorn
</div>
<br>
</body>
```



Loonycorn

This starts off the animation on
both the Loonycorn elements

DelayAnimate.html

```
<body>
<div class="start link">
    Start
</div>
<div class="text delay">
    Loonycorn
</div>
<div class="text nodelay">
    Loonycorn
</div>
<br>
</body>
```



Loonycorn

They start off in the same position, they are overlapping

DelayAnimate.html

```
<body>
<div class="start link">
    Start
</div>
<div class="text delay">
    Loonycorn
</div>
<div class="text nodelay">
    Loonycorn
</div>
<br>
</body>
```

Start

Loonycorn

The same animation apply to both
but the first one has a **delay**
between each animation

DelayAnimate.html

```
$(document).ready(function () {
    var randomProperties = [
        {
            'left': '-=100',
            'opacity': '-=0.1'
        },
        {
            'left': '+=200',
            'opacity': '+=0.1'
        },
        {
            'top': '-=50',
            'opacity': '-=0.1'
        },
        {
            'top': '+=300',
            'opacity': '+=0.1'
        }
    ];
    $('.start').click(function() {
        $('.nodelay').animate(
            randomProperties[0],
            1000
        ).animate(
            randomProperties[1],
            1000
        ).animate(
            randomProperties[2],
            1000
        ).animate(
            randomProperties[3],
            1000
        );
        $('.delay').animate(
            randomProperties[0],
            1000
        ).delay(1500).animate(
            randomProperties[1],
            1000
        ).delay(1500).animate(
            randomProperties[2],
            1000
        ).delay(1500).animate(
            randomProperties[3],
            1000
        );
    });
});
```

DelayAnimate.html

```
$document).ready(function () {  
    var randomProperties = [  
        {  
            'left': '-=100',  
            'opacity': '--=0.1'  
        },  
        {  
            'left': '+=200',  
            'opacity': '+=0.1'  
        },  
        {  
            'top': '--=50',  
            'opacity': '--=0.1'  
        },  
        {  
            'top': '+=300',  
            'opacity': '+=0.1'  
        }  
    ];  
  
    $('.start').click(function() {  
        $('.nodeelay').animate(  
            randomProperties[0],  
            1000  
        ).animate(  
            randomProperties[1],  
            1000  
        ).animate(  
            randomProperties[2],  
            1000  
        ).animate(  
            randomProperties[3],  
            1000  
        );  
    });  
});
```

A bunch of animation objects which change the position and the opacity

DelayAnimate.html

```
$(document).ready(function() {  
    $('.start').click(function() {  
        $('.nodelay').animate(  
            randomProperties[0],  
            1000  
        ).animate(  
            randomProperties[1],  
            1000  
        ).animate(  
            randomProperties[2],  
            1000  
        ).animate(  
            randomProperties[3],  
            1000  
        );  
  
        $('.delay').animate(  
            randomProperties[0],  
            1000  
        ).delay(1500).animate(  
            randomProperties[1],  
            1000  
        ).delay(1500).animate(  
            randomProperties[2],  
            1000  
        ).delay(1500).animate(  
            randomProperties[3],  
            1000  
        );  
    });  
});
```

Apply a bunch of
animations one
after another on
one element

DelayAnimate.html

```
$(document).ready(function() {  
    $('.start').click(function() {  
        $('.nodelay').animate(  
            randomProperties[0],  
            1000  
        ).animate(  
            randomProperties[1],  
            1000  
        ).animate(  
            randomProperties[2],  
            1000  
        ).animate(  
            randomProperties[3],  
            1000  
        );  
  
        $('.delay').animate(  
            randomProperties[0],  
            1000  
        ).delay(1500).animate(  
            randomProperties[1],  
            1000  
        ).delay(1500).animate(  
            randomProperties[2],  
            1000  
        ).delay(1500).animate(  
            randomProperties[3],  
            1000  
        );  
    });  
});
```

Apply the same
animations to the
other element but
with a **delay**
between each
animation

DelayAnimate.html

```
});  
});  
  
$('.start').click(function() {  
    $('.nodelay').animate(  
        randomProperties[0],  
        1000  
    ).animate(  
        randomProperties[1],  
        1000  
    ).animate(  
        randomProperties[2],  
        1000  
    ).animate(  
        randomProperties[3],  
        1000  
    );  
  
    $('.delay').animate(  
        randomProperties[0],  
        1000  
    ).delay(1500).animate(  
        randomProperties[1],  
        1000  
    ).delay(1500).animate(  
        randomProperties[2],  
        1000  
    ).delay(1500).animate(  
        randomProperties[3],  
        1000  
    );  
});  
});
```

The delay here is
1.5 seconds

EXAMPLE

ChainingAndQueueing.html

ChainingAndQueueing.html

```
<body>
  <div class="start link">
    Start
  </div>
  <div class="text noqueue">
    Loonycorn
  </div>
  <div class="text queue">
    Loonycorn
  </div>
  <div class="text queueagain">
    Loonycorn
  </div>
  <br>
</body>
```



Loonycorn

Loonycorn

Loonycorn

ChainingAndQueueing.html

```
<body>
<div class="start link">
    Start
</div>
<div class="text noqueue">
    Loonycorn
</div>
<div class="text queue">
    Loonycorn
</div>
<div class="text queueagain">
    Loonycorn
</div>
<br>
</body>
```

Start

Loonycorn

Loonycorn

Loonycorn

ChainingAndQueueing.html

```
$(document).ready(function () {
  $('.start').click(function() {
    $('.noqueue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .addClass('highlight')
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .queue(function() {
        $(this).addClass('highlight');
        $(this).dequeue();
      })
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queueagain')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .queue(function(next) {
        $(this).addClass('highlight');
        next();
      })
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);
  });
});
```

We set up chained
animations on
each Loonycorn
element

ChainingAndQueueing.html

```
$('document').ready(function () {  
    $('').  
        $('.noqueue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .addClass('highlight')  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        queue()  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .queue(function() {  
                $(this).addClass('highlight');  
                $(this).dequeue();  
            })  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
    $('.queueagain')  
});
```

All these
animations are
chained together

ChainingAndQueueing.html

```
$document.ready(function () {  
    $('#start').click(function() {  
        $('.noqueue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .addClass('highlight')  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .queue(function() {  
                $(this).addClass('highlight');  
                $(this).dequeue();  
            })  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queueagain')  
    });  
});
```

The next
animation begins
when the
previous one ends

ChainingAndQueueing.html

```
$document.ready(function () {
  $('.start').click(function() {
    $('.noqueue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .addClass('highlight').hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .queue(function() {
        $(this).addClass('highlight');
        $(this).dequeue();
      })
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queueagain')
  });
});
```

Except for this
one - the
addClass() is not
queued up

ChainingAndQueueing.html

```
$document.ready(function () {
  $('.start').click(function() {
    $('.noqueue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .addClass('highlight').hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .queue(function() {
        $(this).addClass('highlight');
        $(this).dequeue();
      })
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queueagain')
  });
});
```

Instead it is
kicked off at the
start of the
animation chain

ChainingAndQueueing.html

```
$document.ready(function () {
  $('.start').click(function() {
    $('.noqueue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .addClass('highlight').hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .queue(function() {
        $(this).addClass('highlight');
        $(this).dequeue();
      })
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queueagain')
  });
});
```

So the Loonycorn element is highlighted right away

ChainingAndQueueing.html

```
$document.ready(function () {
  $('.start').click(function() {
    $('.noqueue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .addClass('highlight').hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queue')
      .slideUp(2000)
      .fadeIn(2000)
      .hide(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000)
      .queue(function() {
        $(this).addClass('highlight');
        $(this).dequeue();
      })
      .hide(2000)
      .fadeIn(2000)
      .slideDown(2000)
      .fadeOut(2000)
      .show(2000);

    $('.queueagain')
  });
});
```

And the remaining
animations progress
in the order they are
set up

ChainingAndQueueing.html

```
$document.ready(function () {  
    $('.start').click(function() {  
        $('.noqueue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .addClass('highlight')  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .queue(function() {  
                $(this).addClass('highlight');  
                $(this).dequeue();  
            })  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queueagain')  
    });  
});
```

All animations
except the
addClass() are
implicitly queued

ChainingAndQueueing.html

```
$document.ready(function () {  
    $('.start').click(function() {  
        $('.noqueue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .addClass('highlight')  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .queue(function() {  
                $this.addClass('highlight');  
                $this.dequeue();  
            })  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queueagain')  
    });  
});
```

All these
animations are
queued into the
default queue
called fx

Except, of course, the `addClass()`

ChainingAndQueueing.html

```
$document.ready(function () {  
    $('.start').click(function() {  
        $('.noqueue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .addClass('highlight')  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queue')  
            .slideUp(2000)  
            .fadeIn(2000)  
            .hide(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000)  
            .queue(function() {  
                $(this).addClass('highlight');  
                $(this).dequeue();  
            })  
            .hide(2000)  
            .fadeIn(2000)  
            .slideDown(2000)  
            .fadeOut(2000)  
            .show(2000);  
  
        $('.queueagain')  
    });  
});
```

There is a way to
explicitly add
animations to the
queue as well

ChainingAndQueueing.html

```
$(document).ready(function () {
    $('.start').click(function() {
        $('.noqueue')
            .slideUp(2000)
            .fadeIn(2000)
            .hide(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000)
            .addClass('highlight')
            .hide(2000)
            .fadeIn(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000);

        $('.queue')
            .slideUp(2000)
            .fadeIn(2000)
            .hide(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000)
            .queue(function() {
                $(this).addClass('highlight');
                $(this).dequeue();
            })
            .hide(2000)
            .fadeIn(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000);

        $('.queueagain')
            .slideUp(2000)
            .fadeIn(2000)
            .hide(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000)
            .queue(function(next) {
                $(this).addClass('highlight');
                next();
            })
            .hide(2000)
            .fadeIn(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000);
    });
});
```

```
.slideDown(2000)
.fadeOut(2000)
.show(2000)
.addClass('highlight')
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000);
```

```
$('.queue')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function() {
    $(this).addClass('highlight');
    $(this).dequeue();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
```

ChainingAndQueueing.html

Use the `.queue()` method to have the `addClass()` operation be performed as a part of this implicit queue

```
.slideDown(2000)
.fadeOut(2000)
.show(2000)
.addClass('highlight')
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000)

$('.queue')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function() {
    $(this).addClass('highlight');
    $(this).dequeue();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
```

ChainingAndQueueing.html

Add the highlight
within the queue()
function

```
.slideDown(2000)
.fadeOut(2000)
.show(2000)
.addClass('highlight')
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000)

$('.queue')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function() {
    $(this).addClass('highlight');
    $(this).dequeue();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
```

ChainingAndQueueing.html

Call the **dequeue()** method so the execution moves to the next animation in the queue

```
.slideDown(2000)
.fadeOut(2000)
.show(2000)
.addClass('highlight')
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000)

$('.queue')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function() {
    $(this).addClass('highlight');
    $(this).dequeue();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
```

ChainingAndQueueing.html

Without this method, the execution will stop right here

ChainingAndQueueing.html

```
$(document).ready(function () {
    $('.start').click(function() {
        $('.noqueue')
            .slideUp(2000)
            .fadeIn(2000)
            .hide(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000)
            .addClass('highlight')
            .hide(2000)
            .fadeIn(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000);

        $('.queue')
            .slideUp(2000)
            .fadeIn(2000)
            .hide(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000)
            .queue(function() {
                $(this).addClass('highlight');
                $(this).dequeue();
            })
            .hide(2000)
            .fadeIn(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000);

        $('.queueagain')
            .slideUp(2000)
            .fadeIn(2000)
            .hide(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000)
            .queue(function(next) {
                $(this).addClass('highlight');
                next();
            })
            .hide(2000)
            .fadeIn(2000)
            .slideDown(2000)
            .fadeOut(2000)
            .show(2000);
    });
});
```

ChainingAndQueueing.html

```
.fadeOut(2000)
.show(2000)
.queue(function() {
  $(this).addClass('highlight');
  $(this).dequeue();
})
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);
});
```

The `.queue()` function can be implemented a little differently as well

```
.fadeOut(2000)
.show(2000)
.queue(function() {
  $(this).addClass('highlight');
  $(this).dequeue();
})
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);
});
```

ChainingAndQueueing.html

It accepts an input argument - a function which calls **\$(this).dequeue()** for you

```
.fadeOut(2000)
.show(2000)
.queue(function() {
  $(this).addClass('highlight');
  $(this).dequeue();
})
.hide(2000)
.fadeIn(2000)
.slideDown(2000)
.fadeOut(2000)
.show(2000);

$('.queueagain')
  .slideUp(2000)
  .fadeIn(2000)
  .hide(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000)
  .queue(function(next) {
    $(this).addClass('highlight');
    next();
  })
  .hide(2000)
  .fadeIn(2000)
  .slideDown(2000)
  .fadeOut(2000)
  .show(2000);
});
```

ChainingAndQueueing.html

Just call this function after performing all the operations within this function

EXAMPLE

CustomQueues.html

CustomQueues.html

```
<body>
<div class="fontsize link">
    Font Size
</div>
<div class="motion link">
    Motion
</div>
<div class="text">
    Loonycorn
</div>
<br>
</body>
```

Font Size

Motion

Loonycorn

CustomQueues.html

```
<body>
<div class="fontsize link">
    Font Size
</div>
<div class="motion link">
    Motion
</div>
<div class="text">
    Loonycorn
</div>
<br>
</body>
```

Font Size

Motion

Loonycorn

There are 2 sets of animations:

One which changes the font size

One which moves the element

CustomQueues.html

```
<body>
<div class="fontsize link">
    Font Size
</div>
<div class="motion link">
    Motion
</div>
<div class="text">
    Loonycorn
</div>
<br>
</body>
```

Font Size

Motion

Loonycorn

Each of the animations
are added to different
queues

CustomQueues.html

```
<body>
<div class="fontsize link">
    Font Size
</div>
<div class="motion link">
    Motion
</div>
<div class="text">
    Loonycorn
</div>
<br>
</body>
```

Font Size

Motion

Loonycorn

None of the animations
are in the default fx queue

CustomQueues.html

```
$($.document).ready(function () {
  $('.text').queue('fontsize', function(next) {
    $(this).animate({'font-size': '22px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '+=250'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '66px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '+=100'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '88px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '-=200'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '55px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '-=80'}, 1000);
    next();
  });
});

$('.fontsize').click(function() {
  $('.text').dequeue('fontsize');
});
$('.motion').click(function() {
  $('.text').dequeue('motion');
});
});
```

One queue for fonts
and one queue for motion

CustomQueues.html

```
$(document).ready(function() {
  $('.text').queue('fontsize', function(next) {
    $(this).animate({'font-size': '22px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '+=250'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '66px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '+=100'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '88px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '-=200'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '55px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '-=80'}, 1000);
    next();
  });
});

$('.fontsize').click(function() {
  $('.text').dequeue('fontsize');
```

Add a font-size animation

CustomQueues.html

```
$(document).ready(function() {
  $('.text').queue('fontsize', function(next) {
    $(this).animate({'font-size': '22px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '+=250'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '66px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '+=100'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '88px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '-=200'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '55px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '-=80'}, 1000);
    next();
  });
});

$('.fontsize').click(function() {
  $('.text').dequeue('fontsize');
```

On the **fontsize** queue

CustomQueues.html

```
$document.ready(function () {  
    $('.text').queue('fontsize', function(next) {  
        $this.animate({'font-size': '22px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $this.animate({'left': '+=250'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $this.animate({'font-size': '66px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $this.animate({'top': '+=100'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $this.animate({'font-size': '88px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $this.animate({'left': '-=200'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $this.animate({'font-size': '55px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $this.animate({'top': '-=80'}, 1000);  
        next();  
    });  
  
    $('.fontsize').click(function() {  
        $('.text').dequeue('fontsize');
```

The next animation moves the elements and is added to the motion queue

CustomQueues.html

```
$(document).ready(function () {
  $('.text').queue('fontsize', function(next) {
    $(this).animate({'font-size': '22px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '+=250'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '66px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '+=100'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '88px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '-=200'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '55px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '-=80'}, 1000);
    next();
  });
});

$('.fontsize').click(function() {
  $('.text').dequeue('fontsize');
```

Animations are added to one queue or the other at random

CustomQueues.html

```
$($.document).ready(function () {  
    $('.text').queue('fontsize', function(next) {  
        $(this).animate({'font-size': '22px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'left': '+=250'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '66px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'top': '+=100'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '88px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'left': '-=200'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '55px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'top': '-=80'}, 1000);  
        next();  
    });  
  
    $('.fontsize').click(function() {  
        $('.text').dequeue('fontsize');  
    });  
    $('.motion').click(function() {  
        $('.text').dequeue('motion');  
    });  
});
```

It's possible to just
dequeue all
animations which
belong to either
queue individually

```
    ...
}).queue('fontsize', function(next) {
  $(this).animate({'font-size': '88px'}, 1000);
  next();
});
.queue('motion', function(next) {
  $(this).animate({'left': '-=200'}, 1000);
  next();
});
.queue('fontsize', function(next) {
  $(this).animate({'font-size': '55px'}, 1000);
  next();
});
.queue('motion', function(next) {
  $(this).animate({'top': '-=80'}, 1000);
  next();
});

$( '.fontsize' ).click(function() {
  $('.text').dequeue('fontsize');
});
$('.motion').click(function() {
  $('.text').dequeue('motion');
});
});
```

CustomQueues.html

This applies **only**
those animations
added to the
fontsize queue

CustomQueues.html

```
});  
    ).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '88px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'left': '-=200'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '55px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'top': '-=80'}, 1000);  
        next();  
    });  
  
$('.fontsize').click(function() {  
    $('.text').dequeue('fontsize');  
});  
$('.motion').click(function() {  
    $('.text').dequeue('motion');  
});  
});
```

And this dequeues
the animations on
the **motion** queue

CustomQueues.html

```
});  
}).queue('fontsize', function(next) {  
    $(this).animate({'font-size': '88px'}, 1000);  
    next();  
}).queue('motion', function(next) {  
    $(this).animate({'left': '-=200'}, 1000);  
    next();  
}).queue('fontsize', function(next) {  
    $(this).animate({'font-size': '55px'}, 1000);  
    next();  
}).queue('motion', function(next) {  
    $(this).animate({'top': '-=80'}, 1000);  
    next();  
});  
  
$('.fontsize').click(function() {  
    $('.text').dequeue('fontsize');  
});  
$('.motion').click(function() {  
    $('.text').dequeue('motion');  
});  
});
```

Every queue other
than the default fx
queue has to be
kicked off
manually

CustomQueues.html

```
});  
    ).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '88px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'left': '-=200'}, 1000);  
        next();  
    }).queue('fontsize', function(next) {  
        $(this).animate({'font-size': '55px'}, 1000);  
        next();  
    }).queue('motion', function(next) {  
        $(this).animate({'top': '-=80'}, 1000);  
        next();  
    });  
  
$('.fontsize').click(function() {  
    $('.text').dequeue('fontsize');  
});  
$('.motion').click(function() {  
    $('.text').dequeue('motion');  
});  
});
```

The dequeue followed by the queue name is the manual kick off

CustomQueues.html

```
$($.document).ready(function () {
  $('.text').queue('fontsize', function(next) {
    $(this).animate({'font-size': '22px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '+=250'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '66px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '+=100'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '88px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'left': '-=200'}, 1000);
    next();
  }).queue('fontsize', function(next) {
    $(this).animate({'font-size': '55px'}, 1000);
    next();
  }).queue('motion', function(next) {
    $(this).animate({'top': '-=80'}, 1000);
    next();
  });
});

$('.fontsize').click(function() {
  $('.text').dequeue('fontsize');
});
$('.motion').click(function() {
  $('.text').dequeue('motion');
});
});
```

EXAMPLE

BypassingTheQueue.html

BypassingTheQueue.html

You have a chain of animations

They execute one after another in
a **sequence** i.e they are on a **queue**

BypassingTheQueue.html

You have a chain of animations

They execute one after another in
a sequence i.e they are on a queue

You might want one of them to cut
the queue and execute right away!

BypassingTheQueue.html

```
<body>
<div class="start link">
    Start
</div>
<div class="text">
    Loonycorn
</div>
<br>
</body>
```



Loonycorn

BypassingTheQueue.html

```
$(document).ready(function () {
  $('.start').click(function() {
    $('.text')
      .fadeTo(1500, '0.5')
      .slideUp()
      .slideDown()
      .queue(function(next) {
        $(this).animate({'left': '+=250'}, 1000);
        next();
      })
      .animate({
        'font-size': '99px'
      }, {
        'duration': 4000,
        'queue': false,
        'start': function() {console.log('Font size animation start');},
        'easing': 'linear'
      });
    });
  });
});
```

Here is a bunch of
animation we've
added on the
Loonycorn element

BypassingTheQueue.html

```
$('document').ready(function () {
  $('.start').click(function() {
    $('.text')
      .fadeTo(1500, '0.5')
      .slideUp()
      .slideDown()
      .queue(function(next) {
        $(this).animate({'left': '+=250'}, 1000);
        next();
      })
      .animate({
        'font-size': '99px'
      }, {
        'duration': 4000,
        'queue': false,
        'start': function() {console.log('Font size animation start');},
        'easing': 'linear'
      });
    });
  });
});
```

The first few
animations are on
the default queue

BypassingTheQueue.html

```
$('document').ready(function () {
  $('.start').click(function() {
    $('.text')
      .fadeTo(1500, '0.5')
      .slideUp()
      .slideDown()
      .queue(function(next) {
        $this.animate({'left': '+=250'}, 1000);
        next();
      })
      .animate({
        'font-size': '99px'
      }, {
        'duration': 4000,
        'queue': false,
        'start': function() {console.log('Font size animation start');},
        'easing': 'linear'
      });
  });
});
```

We don't want this last animation to execute at the end

BypassingTheQueue.html

This animation should bypass the queue!

```
$('document').ready(function () {
  $('.start').click(function() {
    $('.text')
      .fadeTo(1500, '0.5')
      .slideUp()
      .slideDown()
      .queue(function(next) {
        $this.animate({'left': '+=250'}, 1000);
        next();
      })
      .animate({
        'font-size': '99px'
      }, {
        'duration': 4000,
        'queue': false,
        'start': function() {console.log('Font size animation start');},
        'easing': 'linear'
      });
  });
});
```

BypassingTheQueue.html

Notice that the arguments to the animate() function is a little different

```
$('document').ready(function() {
    $('.start').click(function() {
        $('div').fadeToggle(2000);
        .slideUp()
        .slideDown()
        .queue(function(next) {
            $(this).animate({'left': '+=250'}, 1000);
            next();
        });
        .animate({
            'font-size': '99px'
        }, {
            'duration': 4000,
            'queue': false,
            'start': function() {console.log('Font size animation start')},
            'easing': 'linear'
        });
    });
});
```

BypassingTheQueue.html

An object with the CSS properties to change with effects

```
$document).ready(function() {
    $('.text').text('Hello world')
        .fadeTo(1500, 100)
        .slideUp()
        .slideDown()
        .queue(function(next) {
            $(this).animate({'left': '+=250'}, 1000);
            next();
        })
        .animate({
            'font-size': '99px'
        }, {
            'duration': 4000,
            'queue': false,
            'start': function() {console.log('Font size animation start');},
            'easing': 'linear'
        });
    });
});
```

BypassingTheQueue.html

An object with a bunch of options
which control the animation

```
$document).ready(function() {
  $('.start').click(function() {
    $('.text')
      .fadeTo(1500, 0.2)
      .slideUp(1000)
      .slideDown(1000)
      .queue(function(next) {
        $(this).animate({'left': '+=250'}, 1000);
        next();
      })
      .animate({
        'font-size': '99px'
      }, {
        'duration': 4000,
        'queue': false,
        'start': function() {console.log('Font size animation start');},
        'easing': 'linear'
      });
  });
});
```

BypassingTheQueue.html

```
$('document').ready(function () {
    $('.start').click(function() {
        $('.text')
            .fadeTo(500, 0.5)
            .slideUp()
            .slideDown()
            .queue(function(next) {
                $(this).animate({'left': '+=250'}, 1000);
                next();
            })
        .animate({
            'font-size': '99px'
        }, {
            'duration': 4000,
            'queue': false,
            'start': function() {console.log('Font size animation start');},
            'easing': 'linear'
        });
    });
});
```

The duration of the animation

BypassingTheQueue.html

queue = false indicates that
the animation should not be
part of the queue

```
$(document).ready(function() {
    $('.start').click(function(){
        $('.text')
            .fadeTo(1000, 0)
            .slideUp()
            .slideDown()
            .queue(function(next) {
                $(this).animate({fontSize: '22px'}, 1000);
                next();
            })
            .animate({
                'font-size': '99px'
            }, {
                'duration': 4000,
                'queue': false,
                'start': function() {console.log('Font size animation start');},
                'easing': 'linear'
            });
    });
});
```

BypassingTheQueue.html

The default value for queue is
true

```
$(document).ready(function() {
    $('.start').click(function() {
        $('.text')
            .fadeTo(1500, '0.5')
            .slideUp()
            .slideDown()
            .queue(function(next) {
                $(this).animate({'left': '+=250'}, 1000);
                next();
            })
            .animate({
                'font-size': '99px'
            }, {
                'duration': 4000,
                'queue': false,
                'start': function() {console.log('Font size animation start');},
                'easing': 'linear'
            });
    });
});
```

BypassingTheQueue.html

The function to call at the start of the animation

```
$(document).ready(function() {
    $('.start').click(function() {
        $('.text')
            .fadeTo(1500, '0.5')
            .slideUp()
            .slideDown()
            .queue(function(next) {
                $(this).animate({'left': '+=250'}, 1000);
                next();
            })
            .animate({
                'font-size': '99px'
            }, {
                'duration': 4000,
                'queue': false,
                'start': function() {console.log('Font size animation start');},
                'easing': 'linear'
            });
    });
});
```

BypassingTheQueue.html

The easing function

```
$('document').ready(function () {
    $('.start').click(function() {
        $('.text')
            .fadeTo(1500, '0.5')
            .slideUp()
            .slideDown()
            .queue(function(next) {
                $(this).animate({'left': '+=250'}, 1000);
                next();
            })
        .animate({
            'font-size': '99px'
        }, {
            'duration': 4000,
            'queue': false,
            'start': function() {console.log('Font size animation start')},
            'easing': 'linear'
        });
    });
});
```

Thank You