

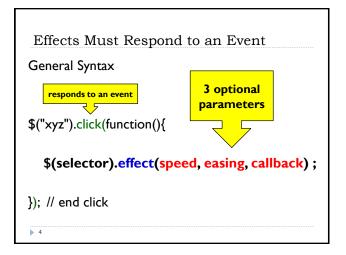
Effects

They take three optional parameters.

1. speed factor or time duration (milliseconds / value)
 - defaults to 400ms or "normal" if not specified

2. "easing" value ('swing' - default or 'linear')

3. "callback function" - runs when the effect is completed.



```
Example – showing / hiding

.hide("fast") - hides the selected element
.show("slow") - shows the selected element
.toggle(2000) - toggles between hide() and show()

Manipulates the CSS display property
```

```
$\(\text{"#link1"}\).click(function()\{\\
$\(\text{"#para1"}\).toggle(); // 400ms duration\\\
}\);

if no parameters specified...
speed = 400ms / "normal"
easing = "swing"

Click to toggle
This is a paragraph
This is a paragraph
This is a Click to toggle
This is a paragraph
This is a Click to toggle
This is a paragraph
This is a Click to toggle
This is a Click to toggle
```

```
.slideUp("fast") - slides up to hide
.slideDown("slow") - slides down to show
.slideToggle(2000) - toggles between the two

Manipulates the CSS height property (0 to actual)
```

```
Syntax
$("#link1").click(function(){

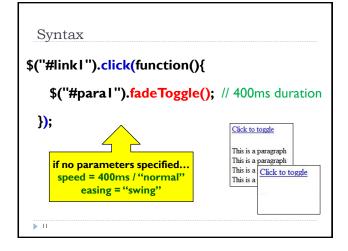
$("#para1").slideToggle(); // 400ms duration
});

if no parameters specified...
speed = 400ms / "normal"
easing = "swing"

Click to toggle
This is a paragraph
This is a paragraph
This is a Click to toggle
```

```
.fadeIn("fast") - faded into view
.fadeOut("slow") - fades out of view
.fadeToggle(2000) - toggles between the two

Manipulates the CSS opacity property (0 to 1)
```



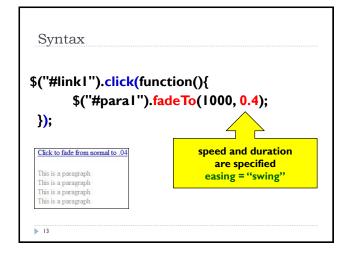
Fading – one way

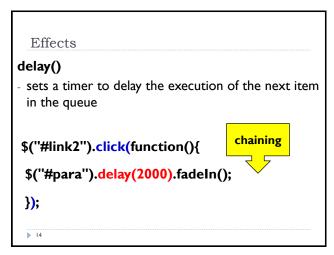
fadeTo()

fades the selection to a specific opacity - a number between 0.00 and 1.00

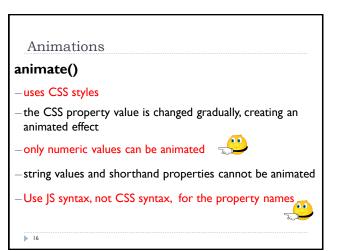
\$(selector).fadeTo(speed, opacity, easing, callback);

required parameter

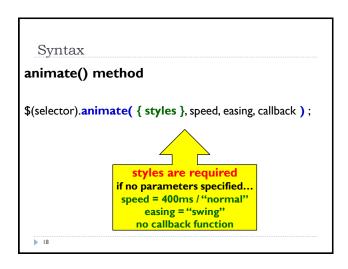




Animations animate() method performs a custom animation using a set of CSS properties does NOT need to be connected to an event can run when the page loads or within a function call



Syntax Properties use JS syntax not CSS syntax backgroundPositionX, backgroundPositionY borderWidth, borderBottomWidth, borderLeftWidth, borderRightWidth, borderTopWidth borderSpacing, margin, marginBottom, marginLeft, marginRight, marginTop padding, paddingBottom, paddingLeft, paddingRight, paddingTop height, width, outlineWidth maxHeight, maxWidth, minHeight, minWidth, fontSize bottom, left, right, top letterSpacing, wordSpacing, lineHeight, textIndent



```
Callback Function

$('hI').animate({fontSize: "I.5em"}, 3000,
     function(){

  $('hI').addClass('red') }

);
```

```
Delay Method

- delays an animation or effect

- requires a time duration

$('h1').delay(3000).animate({fontSize: "1.5em"}, 3000);

chaining
```

```
Delay Method

Chaining methods using white space

$('h1').delay(3000)
    .animate({fontSize: "1.5em"}, 3000)
    .delay(3000)
    .animate({fontSize: ".08em"}, 3000)
```

It is best to already have the CSS styles set

Before you animate them

So you have a baseline to return to

You must have opacity set to animate it

You must have a relative position set to move it

Stop Method - stop() - stops the animation for the selected element - commonly used with the "hover" or mouse / click events - clears the "queue" of any animations in the event that the user caused it to happen by fast mouse movements

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```
$("xyz").hover( function(){

$(this).stop(true).animate({ width: 100}, "fast");
},
function(){

$(this).stop(true).animate({ width: 200}, "fast");
}
);// end hover
```

```
setInterval Method

- setInterval()

- method of the window object

- runs a function at a specified time interval in milliseconds
```

```
Syntax

setInterval(functionName, 5000); named function

setInterval(function() {

// code here anonymous function

}, 5000);
```

```
Animate - using setInterval

function getSmall(){

    $('hI').animate({fontSize: "22pt"}, 1000);
    }

setInterval(function() {
    $('hI').animate({fontSize: "32pt"}, 1500, getSmall);
    }, 3000);

callback
function
```