

jQuery Animation(jQuery Effects)

jQuery includes methods which give special effects to the elements on hiding, showing, changing style properties, and fade-in or fade-out operation. These special effect methods can be useful in building an interactive user interface.

Query Methods for Special Effects	Description
animate()	Perform custom animation using element's style properties.
queue()	Show or manipulate the queue of functions to be executed on the specified element.
stop()	Stop currently running animations on the specified element(s).
fadeIn()	Display specified element(s) by fading them to opaque.
fadeOut()	Hides specified element(s) by fading them to transparent.
fadeTo()	Adjust the opacity of the specified element(s)
fadeToggle()	Display or hide the specified element(s) by animating their opacity.
hide()	Hide specified element(s).
show()	Display specified element(s).
toggle()	Display hidden element(s) or hide visible element(s).
slideUp()	Hide specified element(s) with sliding up motion.
slideDown()	Display specified element(s) with sliding down motion.
slideToggle()	Display or hide specified element(s) with sliding motion.

jQuery hide() and show()

With jQuery, you can hide and show HTML elements with the `hide()` and `show()` methods:

Syntax:

```
$(selector).hide(speed, callback);
```

```
$(selector).show(speed, callback);
```

Example

```
$("#hide").click(function(){  
    $("p").hide();  
});
```

```
$("#show").click(function(){  
    $("p").show();  
});
```

jQuery Effects - Fading

With jQuery you can fade elements in and out of visibility.

With jQuery you can fade an element in and out of visibility.

jQuery has the following fade methods:

Syntax:

```
$(selector).fadeIn(speed,callback);
```

```
$(selector). fadeOut (speed,callback);
```

```
$(selector). fadeToggle (speed,callback);
```

```
$(selector). fadeTo(speed,callback);
```

Example

```
$("#button").click(function(){  
    $("#div1").fadeIn();  
    $("#div2").fadeIn("slow");  
    $("#div3").fadeIn(3000);  
});
```

jQuery Effects - Sliding

The jQuery slide methods slide elements up and down.

Syntax:

```
$(selector).slideDown(speed, callback);
```

Example

```
$("#flip").click(function(){  
    $("#panel").slideDown();  
});
```

jQuery Animations - The animate() Method

The jQuery `animate()` method is used to create custom animations.

Syntax:

```
$(selector  
) .animate({params}, speed, callback);
```

Example - animate() -Single Property

```
$("#button").click(function(){  
    $("#div").animate({left: '250px'});  
});
```

Example - animate()- Multiple Properties

```
$("#button").click(function(){  
    $("#div").animate({  
        left: '250px',  
        opacity: '0.5',  
        height: '150px',  
        width: '150px'  
    });  
});
```

jQuery Stop Animations

The jQuery stop() method is used to stop animations or effects before it is finished.

Syntax:

```
$(selector).stop(stopAll,goToEnd);
```

Example

```
$("#stop").click(function(){  
    $("#panel").stop();  
});
```

jQuery Callback Functions

A callback function is executed after the current effect is 100% finished.

syntax:

```
$(selector).hide(speed,callback);
```

Example with Callback

```
$("#button").click(function(){  
    $("#p").hide("slow", function(){  
        alert("The paragraph is now hidden");  
    });  
});
```

Example without Callback

```
$("#button").click(function(){  
    $("#p").hide(1000);  
    alert("The paragraph is now hidden");  
});
```

jQuery – Chaining

Chaining allows us to run multiple jQuery methods (on the same element) within a single statement.

Example

```
$("#p1").css("color", "red").slideUp(2000).slideDown(2000);
```

Example

```
$("#p1").css("color", "red")
```

```
    .slideUp(2000)
```

```
    .slideDown(2000);
```