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.

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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() -Sinlge 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);