jQuery Effects – Fading Method in jQuery

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

jQuery has the following fade methods:

- fadeIn()

- fadeOut()

- fadeToggle()

- fadeTo()

jQuery fadeIn() Method

The jQuery fadeIn() method is used to fade in a hidden element.

Syntax:

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

The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the fading completes.

The following example demonstrates the fadeIn() method with different parameters:

Example

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

jQuery fadeOut() Method

The jQuery fadeOut() method is used to fade out a visible element.

Syntax:

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

The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the fading completes.

The following example demonstrates the fadeOut() method with different parameters:

Example

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

jQuery fadeToggle() Method

The jQuery fadeToggle() method toggles between the fadeIn() and fadeOut() methods.

If the elements are faded out, fadeToggle() will fade them in.

If the elements are faded in, fadeToggle() will fade them out.

 The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the fading completes.

The following example demonstrates the fadeToggle() method with different parameters:

Example

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

jQuery fadeTo() Method

The jQuery fadeTo() method allows fading to a given opacity (value between 0 and 1).

Syntax:

$(*selector*).fadeTo(*speed,opacity,callback*);

The required speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The required opacity parameter in the fadeTo() method specifies fading to a given opacity (value between 0 and 1).

The optional callback parameter is a function to be executed after the function completes.

The following example demonstrates the fadeTo() method with different parameters:

Example

```
$("button").click(function(){
  $("#div1").fadeTo("slow", 0.15);
  $("#div2").fadeTo("slow", 0.4);
  $("#div3").fadeTo("slow", 0.7);
});
```

Source Code:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Effect Fadding Method in jQuery</title>
    <style>
        .box {
            width: 300px;
            height: 300px;
        }

        #test1 {
            background-color: aqua;
            border: 2px solid black;
            overflow: auto;
            padding: 10px 10px;
        }


    </style>
    <script src="jquery-3.7.1.min.js"></script>
</head>

<body>

    <h1> Effect Fadding Method in jQuery</h1>
    <div class="box" id="test1">
        <h1>Box Dev</h1>
```

```html
        <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Esse quia
quasi expedita fssimus eum dolor. Iure adipisci voluptates esse cupiditate sunt
nostrum! .
        </p>

    </div>

    <button id="btnFadeOut">Fadeout</button>
    <button id="btnFadeIn">FadeIn</button>
    <button id="btnFadeToggle">FadeToggle</button>
    <button id="btnFadeTo">FadeTo</button>
    <script>
        $(document).ready(function() {
            $('#btnFadeOut').click(function() {
                $('#test1').fadeOut();
            })

            $('#btnFadeIn').click(function() {

                // callback function
                $('#test1').fadeIn(500,function(){
                    console.log("FadeIn using callback");
                });
            })
            $('#btnFadeToggle').click(function() {
                $('#test1').fadeToggle(3000);
            })

            $('#btnFadeTo').click(function() {
                $('#test1').fadeTo(2000,0.2,function(){
                    console.log("Fade to");
                });
            })


        });
    </script>
</body>

</html>
```

Thank You