

jQuery animations and effects

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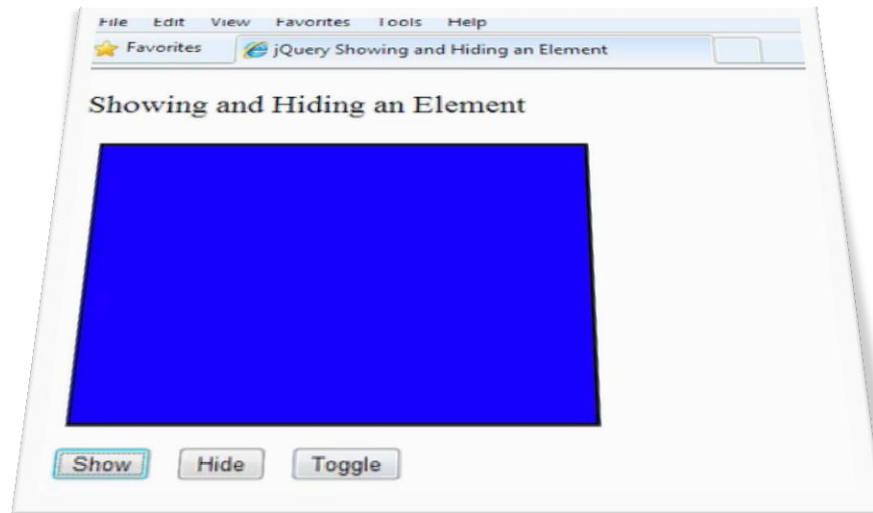
- jQuery library supplies basic animation and effects that perform common visual effects
 - Showing and hiding elements
 - Fading elements in and out
 - Moving elements around on the screen
- You can use the basic animation function to easily build your own animation effects

Showing and hiding page elements

- Showing/hiding elements is simple
- Elements can be shown or hidden immediately or over a specified duration of time

| FUNCTION | PURPOSE |
|--------------------------------------|--|
| <code>show()</code> | Displays each of the set of matched elements, if they are hidden |
| <code>show(speed, callback)</code> | Shows all matched elements using a graceful animation. Fires an optional callback after completion |
| <code>hide()</code> | Hides each of the set of matched elements if they are shown |
| <code>hide(speed, callback)</code> | Hides all matched elements using graceful animation. Fires an optional callback after completion |
| <code>toggle()</code> | Toggles displaying each of the set of matched elements |
| <code>toggle(switch)</code> | Toggles displaying each of the set of matched elements based upon the switch (true shows all elements, false hides all elements) |
| <code>toggle(speed, callback)</code> | Toggles displaying each of the set of matched elements using a graceful animation and firing an optional callback after completion |

DEMO

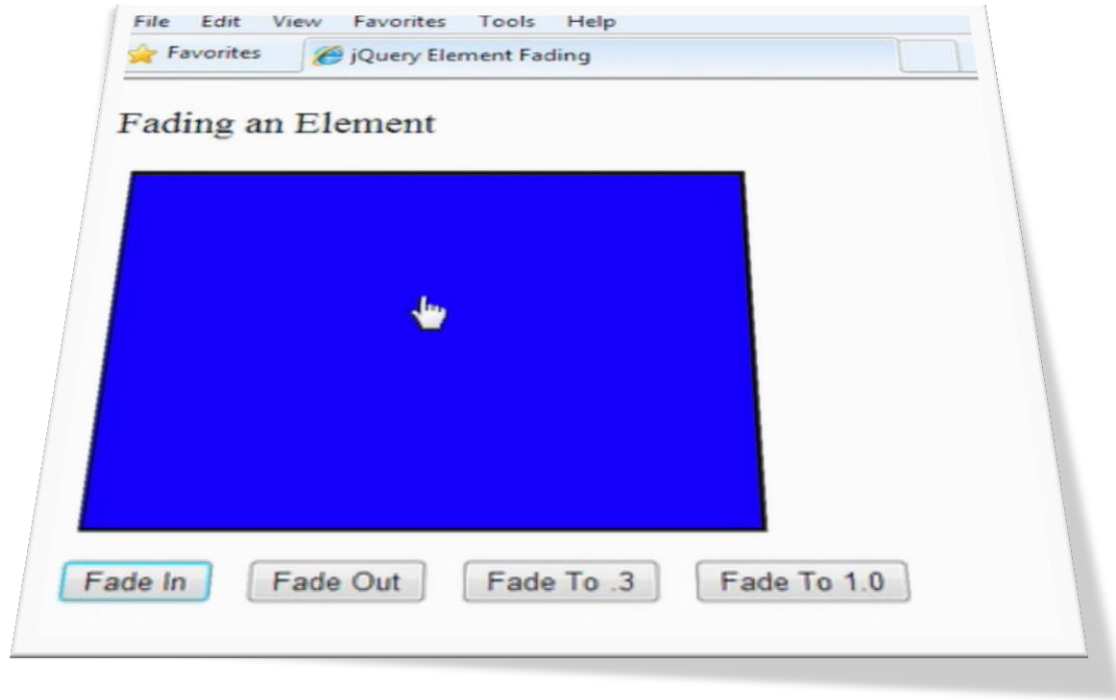


Fading elements in and out

- Elements can be faded in or out completely or to a predetermined opacity level
- The speed of the fade can be specified as either a string (“slow”, “normal”, or “fast”) or a millisecond duration

| FUNCTION | PURPOSE |
|---|--|
| <code>fadeIn(speed, callback)</code> | Fades in all matched elements by adjusting their opacity and firing an optional callback after completion |
| <code>fadeOut(speed, callback)</code> | Fades out all matched elements by adjusting their opacity to 0 and then setting display to “none” and firing an optional callback after completion |
| <code>fadeTo(speed, opacity, callback)</code> | Fades the opacity of all matched elements to a specified opacity and fires an optional callback after completion |

DEMO

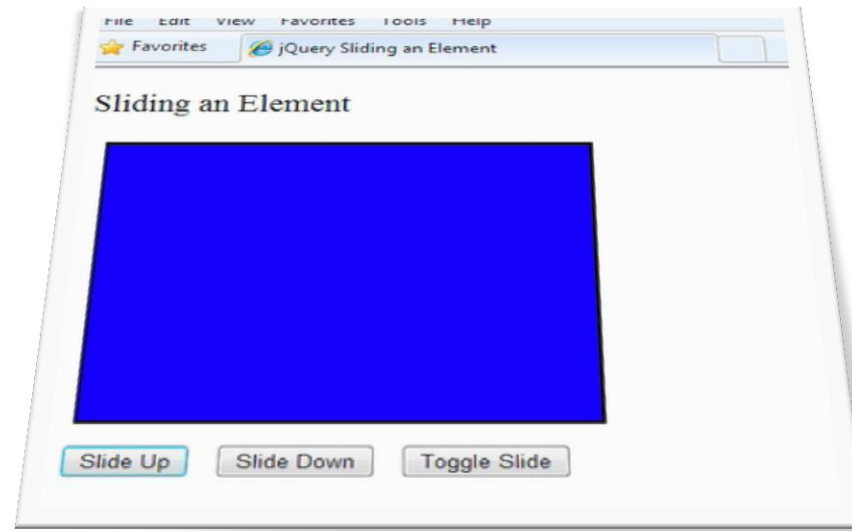


Sliding page elements

- The sliding effect is another way to reveal page elements in jQuery
- jQuery provides functions for sliding elements up or down, as well as toggling the slide animation

| FUNCTION | PURPOSE |
|---|---|
| <code>slideDown(speed, callback)</code> | Reveals all matched elements by adjusting their height and firing an optional callback after completion |
| <code>slideUp(speed, callback)</code> | Hides all matched elements by adjusting their height and firing an optional callback after completion |
| <code>SlideToggle(speed, callback)</code> | Toggles the visibility of all matched elements by adjusting their height and firing an optional callback after completion |

DEMO

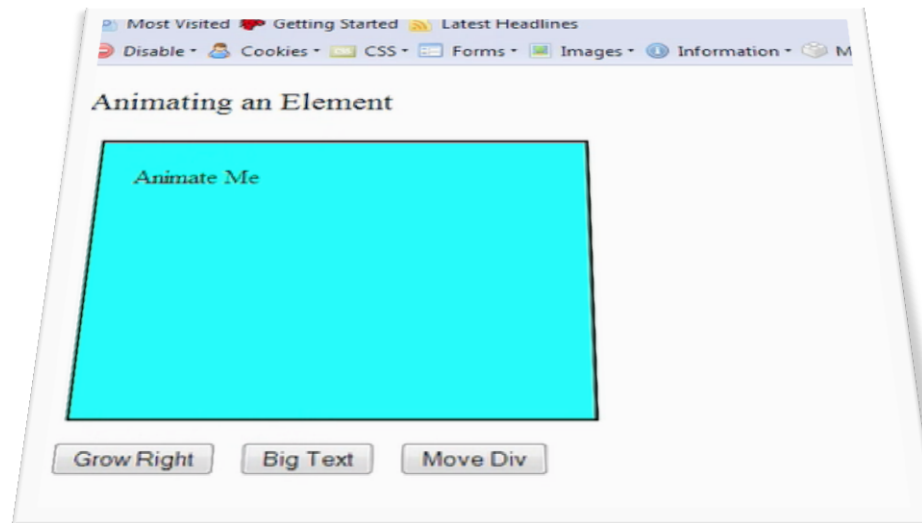


Creating custom animation

- To create custom animation for many properties on page elements, call the *animate()* function
- To stop animations in progress, call the stop function

| FUNCTION | PURPOSE |
|--|--|
| <code>animate(params, duration, easing, callback)</code> | Creates a custom animation params: The properties on the elements to animate duration: The number of milliseconds the animation should take easing: The type of easing function to use (linear or swing) callback: The function to call when the animation is complete |
| <code>animate(params, options)</code> | Creates a custom animation params: The properties to animate options: Set of options for the animation to take |
| <code>stop()</code> | Stops all the currently running animations on all the specified elements |

DEMO



DEMO

