

JQUERY

2006

Values

Easy DOM-elements
Properties and attributes
Styles
Events
AJAX API

Cross-browser

```
<!doctype html>
```

```
<html>
```

```
  <head></head>
```

```
  <body></body>
```

```
    <script type="text/javascript"
```

```
    src="http://code.jquery.com
```

```
      /jquery-latest.min.js"></script>
```

```
</html>
```

\$ == jQuery

\$()...

document.**querySelector**(selector)

document.**querySelectorAll**(selector)

\$(selector)

var **element** = \$('navigation')

Styles

```
element.css();
```

```
element.css('border', '1px solid #000000');
```

```
element.css(  
    'border': '1px solid #000000',  
    'background-color': '#ff0000'  
));
```

Classes

element.**addClass**('misha');

element.**removeClass**('misha');

element.**toggleClass**('misha');

element.**hasClass**('misha'); // true | false

Attributes

element.**attr**('data-name', 'misha');

element.**removeAttr**('data-name');

Events

element.**on**('click', function() {});

element.**off**('click');

element.**trigger**('click');

Named Events

element.**on**('click.**eventName**', function() {});

element.**off**('click.**eventName**');

element.**trigger**('click.**eventName**');

Delegated Events

```
$(document.body).on('click.eventName', element, function()  
{});
```

DOM

Parents

element.**parent**()

element.**parents**()

element.**parents**(selector)

Children

element.**children**()

element.**children**(selector)

Siblings

element.**siblings**()

element.**siblings**(selector)

Previous

element.**prev**()

element.**prev**(selector)

element.**prevAll**()

element.**prevAll**(selector)

Next

element.**next**()

element.**next**(selector)

element.**nextAll**()

element.**nextAll**(selector)

Find

```
$(document.body).find('.navigation')
```

Wrap

```
<h1>Text</h1>
```

```
$('h1').wrap(<div>);
```

```
<div>
```

```
  <h1>Text</h1>
```

```
</div>
```

Unwrap

```
<div>
```

```
  <h1>Text</h1>
```

```
</div>
```

```
$('h1').unwrap();
```

```
<h1>Text</h1>
```

Adding

element.**append**()

element.**prepend**()

\$('<div></div>').**insertBefore**(element)

\$('<div></div>').**insertAfter**(element)

Element's properties

.text()

.html()

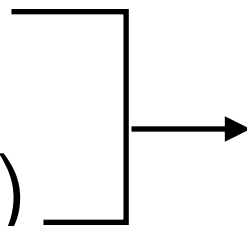
.width()

.height()

.val()

.offset()

.position()



.left

.top

Effect handlers

.show()

.hide()

.fadeIn()

.fadeOut()

.slideDown()

.slideUp()

(200) // time in ms

ANIMATIONS

```
element.animate({width: '300px'}, 500, function() {  
    // callback  
});
```

```
#box {  
  animation: myAnimation 2.75s;  
}  
  
@keyframes myAnimation {  
  0% {  
    opacity: 0;  
    transform: translate(0, 0);  
  }  
  30% {  
    opacity: 1;  
    transform: translate(0, 0);  
  }  
  60% {  
    transform: translate(100px, 0);  
  }  
  100% {  
    transform: translate(100px, 100px);  
  }  
}
```

Testing in Chrome 25.0.1364.172 32-bit on Windows Server 2008 R2 / 7 64-bit

Test		Ops/sec
CSS	<code>\$("#testDiv").css('width', '100px');</code>	67,365 ±1.81% fastest
Animate	<code>\$("#testDiv").animate({ 'width': '100px' }, 0);</code>	991 ±2.31% 99% slower
Width	<code>\$("#testDiv").width(100);</code>	12,579 ±1.37% 81% slower

AJAX

\$.ajax

```
$.ajax({  
  url: 'http://name.com/api.php',  
  type: 'POST', // GET | PUT | HEAD | DELETE | etc.  
  dataType: 'json',  
  data: {  
    // Data to send  
  },  
  success: function(data) {},  
  error: function(data) {}  
});
```

```
$.get('http://name.com/api.php',  
  data: {  
    // Data to send  
  },  
  success: function(data) {},  
  'json');
```

```
$.getJSON(...)
```

```
$.post('http://name.com/api.php',  
  data: {  
    // Data to send  
  },  
  success: function(data) {},  
  'json');
```



```
$( "#result" ).load( "ajax/test.html", function() {  
    alert( "Load was performed." );  
});
```

DEVICES

EVENTS

```
var isPointer = (window.navigator.msPointerEnabled),
```

```
isTouch = ('ontouchstart' in window)
```

```
  || window.DocumentTouch
```

```
  && document instanceof DocumentTouch
```

```
  || (hashTouch && hashTouch.offsetTop) === 9,
```

```
eventType = isPointer ? 'pointer' : isTouch ? 'touch' : 'mouse');
```

```
var eventsHandler = {  
    mouse : {  
        start : "mousedown",  
        move : "mousemove",  
        end : "mouseup",  
        cancel : "mouseup"  
    },  
    touch : {  
        start : "touchstart",  
        move : "touchmove",  
        end : "touchend",  
        cancel : "touchcancel"  
    },  
    pointer : {  
        start : "MSPointerDown",  
        move : "MSPointerMove",  
        end : "MSPointerUp",  
        cancel : "MSPointerCancel"  
    },  
}
```

```
element.on(eventsHandler[eventType].start, function() {});  
element.on(eventsHandler[eventType].move, function() {});  
element.on(eventsHandler[eventType].end, function() {});
```

links

<http://jquery.com/>
<http://jquery-docs.ru/>