YUI Library: Dom Collection

2006-07-07 **v0.11**

Methods Reference

Returns:	Method:
void	**addClass** (str | el ref | arr *el*, str *className*) Adds a class name to a given element or collection of elements
obj/array	**batch** (str | el ref | arr *el*, fn *method*, any *o*, b *overrideScope*) Returns the element(s) that have had the supplied method applied. The method will be provided the elements one at a time (`method(el, o)`).
str/array	**generateId** (str | el ref | arr *el*, str *prefix*) Generates a unique ID for the specified element.
obj/array	**get** (str | el ref | arr *el*) Returns an HTMLElement object or array of objects.
int	**getViewportHeight** () Returns the height of the client (viewport).
int	**getViewportWidth** () Returns the width of the client (viewport).
array	**getElementsBy** (fn *method*, str *tag*, str | el ref *root*) Returns a array of HTMLElements that pass the test applied by supplied boolean method. For **optimized performance**, include a **tag** and/or **root node** when possible.
array	**getElementsByClassName** (str *className*, str *tag*, str | el ref *root*) Returns a array of HTMLElements with the given class. For **optimized performance**, include a **tag** and/or **root node** when possible.
obj	**getRegion** (str | el ref | arr *el*) Returns the region position of the given element.
str/array	**getStyle** (str | el ref | arr *el*, str *property*) Normalizes currentStyle and ComputedStyle.
int	**getX** (str | el ref | arr *el*) Gets the current X position of the element(s) based on page coordinates.
array	**getXY** (str | el ref | arr *el*) Gets the current position of the element(s) based on page coordinates.
int	**getY** (str | el ref | arr *el*) Gets the current Y position of the element(s) based on page coordinates.
b/array	**hasClass** (str | el ref | arr *el*, str *className*) Determines whether the element(s) has the given className.

Methods Reference continued

Returns:	Method:
b/array	**inDocument** (str | el ref | arr *el*) Determines whether the element(s) is present in the current document.
b	**isAncestor** (el ref *haystack*, el ref *needle*) Determines whether an HTMLElement is an ancestor of another HTMLElement in the DOM hierarchy.
void	**removeClass** (str | el ref | arr *el*, str *className*) Removes a class name from a given element or collection of elements.
void	**replaceClass** (str | el ref | arr *el*, str *oldClassName*, str *newClassName*) Replace a class with another class for a given element or collection of elements.
void	**setStyle** (str | el ref | arr *el*, str *property*, str *val*) Wrapper for setting style properties of HTMLElements.
void	**setX** (str | el ref | arr *el*, int *x*) Set the X position of the element(s) in page coordinates, regardless of how the element is positioned.
void	**setXY** (str | el ref | arr *el*, arr *pos*, b *noRetry*) Set the position of the element(s) in page coordinates, regardless of how the element is positioned.
void	**setY** (str | el ref | arr *el*, int *y*) Set the Y position of the element(s) in page coordinates, regardless of how the element is positioned.

Solutions

Get all elements to which the CSS class "header" has been applied:

```
headerEls =
   YAHOO.util.Dom.getElementsByClassName("header");
```

Get all elements by attribute:

```
checkTitle = function(el) {
  return (el.getAttribute("title")=="Click here.");}
myEls = YAHOO.util.getElementsBy(checkTitle, "a",
   "yui-main");
```

Set element's opacity using setStyle:

```
YAHOO.util.Dom.setStyle(myEl, "opacity", "0.5");
```

Dependencies

The Dom Collection requires the YAHOO object.

Useful Dom Methods:

appendChild()
click()
cloneNode()
contains()
createElement()
createTextNode()
focus()
getAttribute()
getElementById()
getElementsBy TagName()
hasAttribute()
hasChildNodes()
insertBefore()
removeAttribute()
removeChild()
replaceChild()
scrollIntoView()
setAttribute()
setInterval()
setTimeout()

Dom Node Properties:

attributes
childNodes
className
disabled
firstChild
id
innerHTML
lastChild
nextSibling
nodeType
nodeName
nodeValue
offsetHeight
offsetWidth
parentNode
previousSibling
tagName

Note: These are not exhaustive lists.