

Prototype JavaScript Library 1.5.0

Utility Methods

`$(s|el [,s|el,...])`
Takes one or more element ID's or elements and mixes in Element methods

`$$ (cssSelectors s[,s.s...])`
Returns array of elements using CSS Selectors

`$A(a)`
Returns array with Array and Enumerable methods

`$H(o)`
Returns array with Hash and Enumerable methods

`$w(s)`
Splits string on spaces

`Try.these(f[,f,f...])`
Exits after first successful function

`$F = Form.Element.getValue()`

`$R = new ObjectRange`

Prototype

Version
 BrowserFeatures.XP11
 ScriptFragment
 emptyFunction()
 K()

Class

Enables object to use initialize method as constructor
 create()

Object

extend(dest o, src o)
 inspect(o)
 keys(o)
 values(o)
 clone(o)

Function

bind()
 bindAsEventListener(o)

Number

toColorPart()
 succ()
 times(f)

Template

String template using #[var] markers
 initialize(template s, pattern)
 evaluate(o)

ObjectRange ext. Enumerable

A numeric range
 initialize(start n, end n, exclusive b)
 include(n)

String

interpret(value)
 gsub(pattern, f)
 sub(pattern, f, count n)
 scan(pattern, f)
 truncate(length, s)
 strip()
 stripTags()
 stripScripts()
 extractScripts()
 evalScripts()
 escapeHTML()
 unescapeHTML()
 toQueryParams(separator)
 toArray()
 succ()
 camelize()
 capitalize()
 underscore()
 dasherize()
 inspect(quotes b)
 parseQuery = toQueryParams

Hash

keys()
 values()
 merge(hash)
 toQueryString()
 inspect()

Selector

Selecting elements with CSS selectors
 initialize(expression)
 findElements(scope el)
 toString()
 matchElements(els, expression)
 findElement(els, expression, index)
 findChildElements(el, expressions)

Position

DOM node positioning
 includeScrollOffsets
 prepare()
 realOffset(el)
 cumulativeOffset(el)
 positionedOffset(el)
 offsetParent(element)
 within(el, x, y)
 winthinIncludingScrollOffsets (el, x, y)
 overlap('vertical'|'horizontal', el)
 page(el)
 clone(src el, target el)
 absolutize(el)
 relativize(el)

Enumerable

Handles enumeration
 each(f)
 eachSlice(n, f)
 all(f)
 any(f)
 collect(f)
 detect(f)
 findAll(f)
 grep(pattern, f)
 include(o)
 inGroupsOf(n, fillWith)
 inject(memo, f)
 invoke(method s)
 max(f)
 min(f)
 partition(f)
 pluck(property s)
 reject(f)
 sortBy(f)
 toArray()
 zip(a[,a.a...][,f])
 size()
 inspect()
 map=collect
 find=detect
 select=findAll
 member=include
 entries=toArray

Array extends Enumerable

Extends default Array object
 from(a)
 clear()
 first()
 last()
 compact()
 flatten()
 without(a)
 indexOf(o)
 reverse(inline b)
 reduce()
 uniq()
 clone()
 size()
 inspect()
 toArray = clone

Element.ClassNames
 extends Enumerable
Handles element class names
 initialize(el)
 set(classname s)
 add(s)
 remove(s)
 toString()

Ajax (singleton)

XMLHttpRequest Interface
 getTransport()
 activeRequestCount

Ajax.Responders extends Enumerable (singleton)

Responds to Ajax events
 responders
 register(o)
 unregister(o)
 dispatch(s, req, transport, json)

Ajax.Request extends .Base
Processes an Ajax request
 initialize(url s, options o)
 success()
 getHeader(s)

Ajax.Updater extends .Base and .Request

Updates a page element via Ajax
 initialize(el, url s, options o)

Ajax.PeriodicalUpdater extends .Base

Repeatedly updates element via Ajax
 initialize(el, url s, options o)
 start()
 stop()

Insertion.Before Insertion.Top Insertion.Bottom Insertion.After extend Abstract.Insertion

Handles content insertion
 initialize(el, content s)

PeriodicalExecuter

like setInterval but cooler
 initialize(f, freq n)
 stop()

Event

Replaces default browser Event handling
 element(evt)
 isLeftClick(evt)
 pointerX(evt)
 pointerY(evt)
 stop(evt)
 findElement(evt, tagname s)
 observe(el, evtname, f, usecapture b)
 stopObserving(el, evtname, f, usecapture b)

Element

Extends DOM nodes via \$() and \$\$() (if executed as Singleton, element is first argument)
 visible()
 toggle()
 hide()
 show()
 remove()
 update(html s)
 replace(html s)
 inspect()
 recursivelyCollect(property s)
 ancestors()
 descendants()
 immediateDescendants()
 previousSiblings()
 nextSiblings()
 match(selector)
 up(expression, index)
 down(expression, index)
 previous(expression, index)
 next(expression, index)
 getElementsBySelector()
 getElementsByClassName(s)
 readAttribute(s)
 getHeight()
 classNames()
 hasClassName(s)
 addClassName(s)
 removeClassName(s)
 toggleClassName(s)
 observe()
 stopObserving()
 cleanWhitespace()
 empty()
 childOf(ancestor el)
 scrollTo()
 getStyle(s)
 setStyle(s)
 getDimensions()
 makePositioned()
 undoPositioned()
 makeClipping()
 undoClipping()

Abstract.TimedObserver

initialize(el, freq n, f)

Form.Element.Observer
Form.Observer
 extends Abstract.TimedObserver
 getValue()

Form

Extends FORM nodes via \$() and \$\$() (if executed as Singleton, element is first argument)
 reset(frm)
 serializeElements(els)
 serialize()
 getElements()
 getInputs(type s, name s)
 disable()
 enable()
 findFirstElement()
 focusFirstElement()
 focus()
 select()
 serialize()
 getValue()
 clear()
 present()
 activate()
 disable()
 enable()

** reset and serializeElements can only be called from Singleton*

Form.Element = Field

Extends INPUT, TEXTAREA, and SELECT nodes via \$() and \$\$() (if executed as Singleton, element is first argument)
 focus(el)
 select(el)
 serialize()
 getValue()
 clear()
 present()
 activate()
 disable()
 enable()

** focus and select can only be called from Singleton*

Abstract.EventObserver

initialize(el, f)

Form.Element.EventObserver
Form.EventObserver
 extends Abstract.EventObserver
 getValue()

Legend

s=string b=boolean
 o=object []=optional
 n=number | = or
 el=element pattern=regex
 els=elements
 f=function (callback)