mootools

a compact javascript framework

mootools Basics

Full CheatSheet for Javascript-Framework mootools rev 1.2
by mediavrog.net/blog/

Core
$chk(m)
$clear(timer n)
$defined(m)
$arguments(index n)
$empty
$lambda(o)
$extend(orig o, ext o)
$merge(o, o [,o [,...]])
$each(o | a, fn [, o])
$pick(o, [, o [,...]])
$random(min n, max n)
$splat(o)
$time()
$try(fn [,fn [,...]])
$type(o)
element, textnode, number, whitespace, function, date, arguments, array, object, string, boolean, regexp, class, collection, window, document, false

Native: Class
new Class(props)
special properties:
 Extends: class
 Implements: class | props
 initialize: fn (=constructor)
implement(class | props)

Class.Extras
Class: Chain
new Class({Implements: Chain})
chain(fn [, fn [,...]])
callChain([args])
clearChain()

Class: Events
new Class({Implements: Events})
addEvent(s, fn [, internal b])
addEvents(o, fn [, internal b])
fireEvent(s[,args,delay ms])
removeEvent(s, fn)
removeEvents([s])

Class: Options
new Class({Implements: Options})
setOptions([opt])

Hash: Browser
Features
xpath
xhr

Engine
IE - trident[4 | 5]
FF - gecko
SFI - webkit[419 | 420]
OP - presto[925 | 950]
name

Plugins
Flash.version
Flash.build

Platform
mac, win, linux, ipod, other
name

Native: String
test(regex [,params])
escapeRegExp()
contains(s [,sep s])
trim()
clean()
camelCase()
hyphenate()
capitalize()
toInt(), toFloat()
rgbToHex(retAsArray b)
hexToRgb(retAsArray b)
stripScripts(evaluate b)
substitute(o [, regex])

Native: Function
create([opt])
pass([args [, o])
attempt([args [, o])
bind([o [, args [, e]]])
bindWithEvent([o [,args [, e]]])
delay([ms [,o [,args]]])
periodical([ms [,o [,args]]])
run(args [, o])

Native: Event
new Event([e [, win]])
(shift,control,alt,meta,wheel, code,page.x,page.y,client.x, client.y,key,target,relatedTarget)
stop(), stopPropagation()
preventDefault()

Hash: Event.Keys
Event.Keys.eName = eKey

Native: Array
* each(fn(el,i){} [, o])
* every(fn(el,i){} [, o])
* filter(fn(el,i){} [, o])
* indexOf(el [,from n])
* map(fn(el,i){} [, o])
* some(fn(el,i){} [, o])
* only if not supported natively
clean()
associate(a)
link(o)
contains(el)
extend(a)
getLast()
getRandom()
include(el)
combine(a)
erase(el)
empty()
flatten()
rgbToHex(retAsArray b)

Utility Functions
$A(a)

Native: Hash
new Hash([props])
each(fn(el,i){} [, o])
has(key s)
keyOf(m)
hasValue(m)
extend(props)
combine(props)
erase(key s)
get(key s)
set(key s, val m)
empty()
include(key s, val m)
map(fn(el,i){} [, o])
filter(fn(el,i){} [, o])
every(fn(el,i){} [, o])
some(fn(el,i){} [, o])
getClean()
getKeys()
getValues()
toQueryString()

Utility Functions
$H([props]) > new Hash

Native: Number
toInt(), toFloat()
limit(min n, max n),
round([n]), times(fn [, o])

Element
Native: Window
$(el)
$$(el a | id a | el | selector s)
any combination; commasep

Native: Element
new Element(tag s [, opt])
opt = {
 styles: setStyles,
 events: addEvents,
 anyProp: value
}
getElement(match)
getElements(match)
match(match)
getElementsById(s)
set(s, val | o)
get(s)
erase(s)
inject(el [, where s])
grab(el [, where])
adopt(el [, el a | el [,...]])
wraps(el [, where])
appendText(s)
dispose()
clone([childs b, keepId b])
replaces(el)
hasClass(s)
addClass(s)
removeClass(s)
toggleClass(s)
getPrevious([match])
getAllPrevious()
getNext([match])
getAllNext()
getFirst([match])
getLast([match])
getParent([match])
getParents()
getChildren([match])
hasChild(el)
empty()
destroy()
toQueryString()
getSelected()
getProperty(s)
getProperties(s [,s [,...]])
setProperty(s, val)
setProperties({s: val, ...})
removeProperty(s)
removeProperties(s [,s [,...]])
store(s, val)
retreive(s)

Hash: Element.Properties
html, [htmlS [,htmlS [,...]]]
text, textString
tag (only getter)

Native: IFrame
new IFrame([el] [, opt])

Native: Elements
new Elements(el a [,opt])
filter(sel s)

Element.Event
Native: Element
addEvent(e, fn)
removeEvent(e, fn)
addEvents({e:fn})
removeEvents([e])
fireEvent(e [, args, delay])
cloneEvents(el [,e])

Hash: Element.Events
Element.Events.eName = o
o = {
 base: e
 condition: fn
 onAdd: fn
 onRemove: fn
}

Custom Events
mouseenter
mouseleave
mousewheel

Element.Style
Native: Element
setStyle(s, val)
setStyles({s : val, ...})
getStyle(s)
getStyles(s [, s [,...]])

Element.Dimensions
Native: Element
scrollTo(x,y)
getSize()
getScrollSize()
getScroll()
getPosition()
getCoordinates()

Selectors
Utility Functions
$E(sel s, filter el)
$ES(sel s, filter el)

Native: Element
getElements(sel s)
getElement (sel s) > $E
match(sel s)

Selectors.Pseudo
:enabled, :empty
:contains(s)
:even, :odd, :first, :last, :only
:nth-child(nExpr)
 n - all, 2n - even, 2n+1 - odd
 odd, even, only, first, last

Class: Swiff
new Swiff(path [, opt])
opt = {
 id: s
 width: n, height : n
 container: el
 params: swfParams
 properties: o
 vars: o
 events: o
}
swfParams = {
 allowScriptAccess: s
 quality: s
 swLiveConnect: b
 wMode: s
}
remote(o, fn)

Object: Cookie
write(key s, value s [, opt])
opt = {
 domain: s
 path: s
 duration: n
 secure: b
}
read(cookie s)
dispose(cookie s [, opt])

Object: JSON
JSON.encode(o)
JSON.decode(s [, secure b])

WindowEvent: domready
domready

Class: Request
new Request([opt])
opt = {
 url: s
 method: post | get,
 data: s
 async: asyncReq b
 encoding: s (default: utf-8),
 autoCancel: b
 headers: {hdName:hdCont} o
 isSuccess: fn
 onRequest(inst)
 onSuccess(inst)
 onFailure(inst)
 onException(hdName ,val)
 onCancel()
}
Properties
 running, response
setHeader(name s, val s)
getHeader(name s)
send([opt])
cancel()

Hash: Element.Properties
send [, Request opt]

Native: Element
send([url s])

Class: Request.HTML
new Request.HTML([opt])
opt = { all opt from Request
 update: el,
 evalScripts: b,
 evalResponse: b
 onComplete(rTree, rElems, rHTML, rJS)
}
get(opt), post(opt)

Hash: Element.Properties
load [, opt]

Native: Element
load(url s) > Rq.HTML.get

Class: Request.JSON
new Request.JSON([opt])
opt = { all opt from Request
 secure: b
 onComplete(rJSON, text)
}

o ~ Object	e ~ Event	[ ] ~ optional
s ~ String	fn ~ Function	| ~ choice / or
a ~ Array	el ~ Element	> ~ see also
n ~ Number	el a ~ Array of el	ms ~ Milliseconds
b ~ Boolean	m ~ mixed	opt ~ Options Obj

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"Basics" by mediavrog © 08

"FX/Plugins" available soon