# MooTools Cheat Sheet v1.1

the compact javascript framework

mediavrog.net/blog

## Core.js

### Functions

$defined(o)
$type(o)
$merge(o [,o,..])
$extend(o, o)
$native(native o [,native o,...])
$chk(o)
$pick(o, default o)
$random(min n, max n)
$time()
$clear(timer)

### Abstract (Singleton)

### Window

(ie, ie6, ie7, gecko, webkit, webkit419, webkit420, opera)

## Class.js

### Class

new Class({fname: fn})
empty()
extend({fname: fn})
implement({fname: fn})

## Class.Extras.js

### Chain

chain(fn)
callChain()
clearChain()

### Events

addEvent(s, fn)
fireEvent(s[,arg[],delay ms])
removeEvent(s, fn)

### Options

setOptions(default opt, opt)

## Window.Size.js

### Window

getWidth(), getHeight()
getScrollWidth()
getScrollHeight()
getScrollLeft(),getScrollTop()
getSize()

## Window.DomReady.js

### Custom Events

domready

## Array.js

### Array

* forEach(fn(el,i){})
* filter(fn(el,i){})
* map(fn(el,i){})
* every(fn(el,i){})
* some(fn(el,i){})
* indexOf(el)
each > forEach
copy()
remove(el)
contains(el)
associate(a)
extend(a)
merge(a)
include(el)
getRandom()
getLast()

### Utility Functions

$A() > copy()
$each(a,fn(el,i){})

## String.js

### String

test(regex [,params])
toInt(), toFloat()
camelCase()
hyphenate()
capitalize()
trim(), clean()
rgbToHex(returnArray b)
hexToRgb(returnArray b)
contains(s [,separator s])
escapeRegExp()

### Array

rgbToHex() > rgbToHex
hexToRgb() > hexToRgb

## Function.js

### Function

create(opt)
pass(arg[], [el])
attempt(arg[], [el])
bind(fn [,arg[]])
bindAsEventListener([o,arg[]])
delay(ms [,o,arg[]])
periodical(ms [,o,arg[]])

## Number.js

### Number

toInt(), toFloat()
limit(min n, max n), round(n)
times(fn)

## Element.js

### Utility Functions

$(el | s)
$$(el a | id a | el | selector s)
(any combination)

### Element

new Element(s, opt)
set(opt)
opt = {
  "styles": setStyles,
  "events": addEvents,
  "otherKey": setProperty
}
injectBefore(el)
injectAfter(el)
injectInside(el)
injectTop(el)
adopt(el)
remove(el)
clone(withChildnodes b)
replaceWith(el)
appendText(s)
hasClass(s)
addClass(s), removeClass(s)
toggleClass(s)
setStyle(style s, value s | n)
setStyles({style:value})
setOpacity(n)
getStyle(style s)
getStyles(style s [,s,..])
getPrevious(), getNext()
getFirst(), getLast()
getParent(), getChildren()
hasChild(el)
getProperty(prop s)
removeProperty(prop s)
getProperties(prop s [,s,...])
setProterty(prop, value)
setProperties({prop:value})
setHTML(html)
setText(s)
getText()
getTag()
empty()

## Element.Dimensions.js

### Element

scrollTo(x,y)
getSize()
getPosition([overflown el a])
getTop([overflown el a])
getLeft([overflown el a])
getCoordinates([overfl el a])

## Element.Selectors.js

### Utility Functions

$E(selector s, filter el)
$ES(selector s, filter el)

### Element

getElements(singleSelector s)
getElement (selector s) > $E
getElementsBySelector (selector s) > $$
getElementById(id s) > $

## Element.Filters.js

### Element

filterByTag(tagname s)
filterByClass(classname s)
filterById(id s)
filterByAttribute(s [,op s,val s))

## Element.Form.js

### Element

getValue(), toQueryString()

## XHR.js

### XHR

new XHR(url, opt)
opt = {
  method: post | get,
  async: asyncReq b
  encoding: s (default: utf-8),
  autoCancel: b
  headers: {hdName:hdCont} o
  onRequest: fn,
  onSuccess: fn,
  onStateChange: fn,
  onFailure: fn
}
Properties
  running, response
setHeader(hdName s,hdVal s)
send()
cancel()

## Assets.js

### Assets

new Asset.property
javascript(src s, opt)
css(src s, opt)
image(src s, opt)
images(srcs a, opt)

## Json.js

### Json

toString(o)
evaluate(s, syntaxCheck b)

## Element.Event.js

### Event

(shift,control,alt,meta,wheel, code,page.x,page.y,client.x, client.y,key,target,relatedTarget)
stop()
stopPropagation()
preventDefault()
keys.eventName = keycode n

### Element

addEvent(e, fn)
removeEvent(e, fn)
addEvents({e:fn})
removeEvents([type s])
fireEvent(type s[,arg[], delay])
cloneEvents(el [,type s])

### Function

bindWithEvent(el [,arg[]])

### Custom Events

mouseenter, mouseleave

## Ajax.js

### Ajax

new Ajax(url, opt)
opt = { all opt from XHR,
  data: s,
  update: el,
  evalScripts: b,
  evalResponse: b
  onComplete: fn
}
request()
evalScripts()
getHeader(hdName s)

### Object

toQueryString()

### Element

send() > for form-Elements

## Cookie.js

### Cookie

opt{domain s, path s,
  duration days, secure b}
set(key s, value s, opt)
get(cookieValue s)
remove(cookieName s, opt)

## Json.Remote.js

### Json.Remote

new Json.Remote(url, opt)
opt = all opt from xhr

## Drag.Base.js

### Drag.Base

new Drag.Base(el, opt)
opt = {
  handle:el,
  modifiers: {styleX,styleY},
  limit {[stX,endX],[stY,endY]}
  [,grid px, snap px]
}

### Element

makeResizable(opt)
opt > Drag.Base opt

## FX.Base.js

### Fx.Base

new Fx.Base(opt)
opt = {
  transition: Fx.Transitions,
  duration: ms,
  unit: px | em | %
  wait: waitForCurTransEnd b,
  fps: framesPerSecond n,
  onStart: fn,
  onComplete: fn,
  onCancel: fn
}
start(from n, to n)
stop()
set(to n)

## FX.Style.js

### Fx.Style

new Fx.Style(el, prop, opt)
opt = all opt from FX.Base
start(from n, to n)
hide()
set(to n)

### Element

effect(opt) > FX.Style

## FX.Styles.js

### Fx.Styles

new Fx.Styles(el, opt)
opt = all opt from FX.Base
start({
  style: [from n, to n] | to n
})

### Element

effects(opt) > FX.Styles

## Drag.Move.js

### Drag.Move

new Drag.Move(el, opt)
opt = {
  all opt from Drag.Base,
  container el,
  droppables el a,
  overflown el a
}

### Element

makeDraggable(opt)
opt > Drag.Move opt

## FX.Elements.js

### Fx.Elements

new Fx.Elements(el, opt)
opt = all opt from FX.Base
start({
  index: {style:[from,to]}
})

## FX.Scroll.js

### Fx.Scroll

new Fx.Scroll(el, opt)
opt = { all opt from FX.Base,
  offset {x,y},
  overflown el a
}
scrollTo(x,y)
toTop(),toBottom()
toRight(),toLeft()
toElement(el)

## FX.Slide.js

### Fx.Slide

new Fx.Slide(el, opt)
opt = {all opt from FX.Base,
  mode: "vertical" | "horizontal"
}
slideIn(), slideOut()
hide(), show()
toggle()

## FX.Transitions.js

### Fx.Transitions

linear,Quad,Cubic,Quart,Quint, Pow,Expo,Circ,Sine,Back, Bounce,Elastic
each has easIn,easeOut,easeInOut

| | | | | | |
|---|---|---|---|---|---|
| o ~ Object | e | ~ Event | [ ] | ~ optional |
| s ~ String | fn | ~ Function | \| | ~ choice / or |
| a ~ Array | el | ~ Element | > | ~ see also |
| n ~ Number | opt | ~ Options Object | el a | ~ Array of Elements |
| b ~ Boolean | ms | ~ Milliseconds | {key:val} | ~ o w/ key/val pairs |