

Getting started
Components

M4Q

About

- Population
- Constructor
- Ajax
- Animation
- Loops
- Visibility
- Effects
- Subtree functions
- Attributes
- Html, text and value
- Css and classes
- Position and size
- Manipulation
- DataSet
- Events
- Utils

Base

- Containers
- Grid system
- Typography
- Tables
- Forms
- Buttons
- Images
- Figures
- Lists

Form components

- Checkbox
- File input
- Input
- Input material
- Keypad
- Rating
- Radio
- Select
- Slider
- Double Slider
- Spinner
- Switch
- Tag input
- Textarea

Menus

- App bar
- Bottom navigation
- Bottom sheet
- Menu
- Ribbon Menu
- Side bar
- Side navigation

Controls

- Accordion
- Badge
- Carousel
- Cards
- Cube
- Counter
- Charms
- Chat
- Donut
- Image compare
- Image magnifier
- Gravatar
- List
- ListView
- Master
- NavView
- Panels
- Progress & Activity
- Streamer
- Stepper
- Splitter
- Tabs
- Tabs material
- Table
- Tiles
- TreeView
- Wizard

Information

- Dialogs
- Info box
- Hints
- Notify system
- Popovers
- Toasts
- Windows

Date & time

- Calendar
- Calendar picker
- Date picker
- Time picker
- Countdown
- Formatting date

Media

M4Q

The m4q is a small library for DOM manipulation and animation and send/receive ajax requests.

About

The repository of m4q you can be found [here](#).

Begin from `4.3.0` Metro 4 no longer depends on `jquery`. Now `Metro 4` contains self own small library `M4Q` (10kb in gzip) for DOM manipulation. **M4Q is not based on jquery code**. M4Q library is built into Metro 4.

M4Q is not a complete jquery equivalent and there are differences.

Population

Main object has name `m4q`. m4q may capture and relinquish `$` with methods `m4q.global()` and `m4q.noConflict()`. Automatic capture `$` if it free.

Further in the documentation `$` will be used to specify the reference to the `m4q object`.

Constructor

- `$("div")` - select by `tag name`
- `$(".div")` - select by `class name`
- `$("#div")` - select by `id`
- `$("<div>")` - create by `tag name`
- `$("<div>", context)` - create in context
- `$("<div>any_text_or_html</div>")` - create by `html`
- `$("<div>...</div><div>...</div>")` - create by `tags`

- `$("<div>", {...})` - create by tag with attributes as object
- `$($(...))` - create by `m4q` as argument
- `$(jQuery(...))` - import from jQuery
- `$(function(){})` - Create document.ready function

Loops

- `$.each()`
- `$(...).each()`

Ajax

- `$.ajax({...})`
- `$.get(url, data, options)`
- `$.post(url, data, options)`
- `$.put(url, data, options)`
- `$.patch(url, data, options)`
- `$.delete(url, data, options)`
- `$.json(url, data, options)`
- `$(...).load(url, data, options)`

Visibility and effects

- `$(...).toggle()`
- `$(...).hide()`
- `$(...).show()`
- `$(...).visible()`
- `$(...).fadeIn()`
- `$(...).fadeOut()`
- `$(...).slideDown()`
- `$(...).slideUp()`

Animation

- `$.animate(...)`
- `$(...).animate(...)`

Contains functions



Table of contents

About

- `$(...).index()`
- `$(...).get()`
- `$(...).eq()`
- `$(...).contains()`
- `$(...).is()`
- `$(...).find()`
- `$(...).children()`
- `$(...).parent()`
- `$(...).closest()`
- `$(...).siblings()`
- `$(...).prev()`
- `$(...).next()`
- `$(...).filter()`
- `$(...).last()`
- `$(...).first()`
- `$(...).ind()`
- `$(...).even()`
- `$(...).odd()`

Attributes

- `$(...).attr()`
- `$(...).attr(name)`
- `$(...).attr(name, value)`
- `$(...).attr({...})`
- `$(...).removeAttr(name)`
- `$(...).toggleAttr(name, value)`
- `$(...).id(value)`
- `$(...).prop()`
- `$.meta(...)`
- `$.doctype()`
- `$.html()`

Html, text and value

- `$(...).html()`
- `$(...).html(value)`
- `$(...).text()`
- `$(...).text(value)`
- `$(...).innerText()`
- `$(...).innerText(value)`
- `$(...).outerHTML()`
- `$(...).empty()`
- `$(...).val()`
- `$(...).val(value)`

Css and classes

- `$(...).style()`
- `$(...).style(name)`
- `$(...).css(name)`
- `$(...).css(name, value)`
- `$(...).css({...})`
- `$(...).addClass()`
- `$(...).removeClass()`
- `$(...).toggleClass()`
- `$(...).hasClass()`
- `$(...).clearClasses()`

Position and size

- `$(...).height()`
- `$(...).height(val)`
- `$(...).width()`
- `$(...).width(val)`
- `$(...).outerHeight()`
- `$(...).outerHeight(val)`
- `$(...).outerWidth()`
- `$(...).outerWidth(val)`
- `$(...).offset()`
- `$(...).position(excludeMargin)`

Manipulations

- `$(...).append()`
- `$(...).appendTo()`
- `$(...).prepend()`
- `$(...).prependTo()`
- `$(...).insertAfter()`
- `$(...).insertBefore()`
- `$(...).after()`
- `$(...).before()`

Data

- `$.hasData(el)`
- `$.data(el, name, data)`
- `$.removeData(el, name)`
- `$(...).data()`
- `$(...).data(key)`
- `$(...).data(key, value)`
- `$(...).removeData(key)`

Events

- `$(...).on()`
- `$(...).one()`
- `$(...).off()`
- `$(...).fire()`
- `$(...).trigger()`
- `$(...).ready()`
- `$(...).blur()`
- `$(...).focus()`
- `$(...).resize()`
- `$(...).scroll()`
- `$(...).click()`
- `$(...).dblclick()`
- `$(...).mousedown()`
- `$(...).mouseup()`
- `$(...).mousemove()`
- `$(...).mouseover()`
- `$(...).mouseout()`
- `$(...).mouseenter()`
- `$(...).mouseleave()`
- `$(...).change()`
- `$(...).select()`
- `$(...).submit()`
- `$(...).keydown()`
- `$(...).keypress()`
- `$(...).keyup()`
- `$(...).contextmenu()`

Utils

- `$.merge(...)`
- `$.type(...)`
- `$.camelCase(...)`
- `$.isPlainObject(...)`
- `$.isEmptyObject(...)`
- `$.isArrayLike(...)`
- `$.isSelector(...)`
- `$.isVisible(...)`
- `$.not(...)`
- `$.parseUnit(...)`
- `$.proxy(fn, context)`
- `$.remove(selector)`
- `$.sleep(ms)`
- `$.fn.items()`
- `$.fn.clone()`
- `$.fn.merge(...)`
- `$.setTimeout(...)`
- `$.clearTimeout(...)`
- `$.setInterval(...)`
- `$.clearInterval(...)`
- `Promise(...)`
- `setImmediate(...)`
- `clearImmediate(...)`