

## Modul:Section link

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This module creates links to sections, nicely formatted with the "\$" symbol instead of the default "#".

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### Usage

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#### From wikitext

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From wikitext, this module should be used via the template Vorlage:TI. Please see the template page for documentation.

#### From Lua

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First, load the module:

```
local mSectionLink = require('Module:Section link')
```

You can then make section links via the `_main` function.

```
mSectionLink._main(page, sections, options, title)
```

Parameters:

- *page* - the page name to link to. Defaults to the full page name of *title*, or the current title if that is not specified.
- *sections* - an array of section names to link to, or a string to link to just one section name.
- *options* - a table of options. Accepts the following fields:
  - *nopage* - set this to true to avoid displaying the base page name in links.
- *title* - a default `mw.title object` to use instead of the current title. Intended for testing purposes.

All parameters are optional.

## Examples

Lua code	Wikitext code	Result
Vorlage: Code	<code>{{section link Paris}}</code>	Vorlage:Section link
Vorlage: Code	<code>{{section link Paris Architecture}}</code>	Vorlage:Section link
Vorlage: Code	<code>{{section link Paris Architecture Culture}}</code>	Vorlage:Section link
Vorlage: Code	<code>{{section link Paris Architecture Culture Sport}}</code>	Vorlage:Section link
Vorlage: Code	<code>{{section link Paris Architecture Culture Sport nopage=yes}}</code>	Vorlage:Section link

## See also

- The character used is [Vorlage:Unichar](#)

```
-- This module implements {{section link}}.
require('Module:No globals');

local checkType = require('libraryUtil').checkType
local p = {}

local function makeSectionLink(page, section, display)
    display = display or section
    page = page or ''
    -- MediaWiki doesn't allow these in `page`, so only need to do for `section`
    if type(section) == 'string' then
        section = string.gsub(section, "{", "&#x7B;")
        section = string.gsub(section, "}", "&#x7D;")
    end
    return string.format('[[%s#%s|%s]]', page, section, display)
end

local function normalizeTitle(title)
    title = mw.usttring.gsub(mw.usttring.gsub(title, '"', ''), "'", '')
    title = mw.usttring.gsub(title, "%b<>", "")
    return mw.title.new(title).prefixedText
end

function p._main(page, sections, options, title)
    -- Validate input.
    checkType('_main', 1, page, 'string', true)
    checkType('_main', 3, options, 'table', true)
    if sections == nil then
        sections = {}
    elseif type(sections) == 'string' then
        sections = {sections}
    end
end
```

```
elseif type(sections) ~= 'table' then
    error(string.format(
        "type error in argument #2 to '_main' " ..
        "(string, table or nil expected, got %s)",
        type(sections)
    ), 2)
end
options = options or {}
title = title or mw.title.getCurrentTitle()

-- Deal with blank page names elegantly
if page and not page:find('%S') then
    page = nil
    options.nopage = true
end

-- Make the link(s).
local isShowingPage = not options.nopage
if #sections <= 1 then
    local linkPage = page or ''
    local section = sections[1] or 'Notes'
    local display = '{$&nbsp;}' .. section
    if isShowingPage then
        page = page or title.prefixedText
        if options.display and options.display ~= '' then
            if normalizeTitle(options.display) == normalizeTitle(title) then
                display = options.display .. ' ' .. title
            else
                error(string.format(
                    'Display title "%s" was ignored because it is
                    "not equivalent to the page's actual title" (%s)',
                    options.display,
                    title
                ), 0)
            end
        else
            display = page .. ' ' .. display
        end
    end
    return makeSectionLink(linkPage, section, display)
else
    -- Multiple sections. First, make a list of the links to display
    local ret = {}
    for i, section in ipairs(sections) do
        ret[i] = makeSectionLink(page, section)
    end

    -- Assemble the list of links into a string with mw.text.listToText
    -- We use the default separator for mw.text.listToText, but a custom
    -- conjunction. There is also a special case conjunction if we only
    -- have two links.
    local conjunction
    if #sections == 2 then
        conjunction = '&#8203; and '
    else
        conjunction = ', and '
    end
    ret = mw.text.listToText(ret, nil, conjunction)

    -- Add the intro text.
    local intro = '{$&nbsp;}'
    if isShowingPage then
        intro = (page or title.prefixedText) .. ' ' .. intro
    end
    ret = intro .. ret
end
```

```
        return ret
    end
end
function p.main(frame)
    local yesno = require('Module:Yesno')
    local args = require('Module:Arguments').getArgs(frame, {
        wrappers = 'Template:Section link',
        valueFunc = function (key, value)
            value = value:match('^%s*(.)%s*$') -- Trim whitespace
            -- Allow blank first parameters, as the wikitext template
            if value ~= '' or key == 1 then
                return value
            end
        end
    })
    for k, v in pairs(args) do
        if 'number' == type(k) then
            if not yesno (args['keep-underscores']) then
                args[k] = mw.uri.decode (v, 'WIKI');
            else
                args[k] = mw.uri.decode (v, 'PATH');
            end
        end
    end
    -- Sort the arguments.
    local page
    local sections, options = {}, {}
    for k, v in pairs(args) do
        if k == 1 then
            -- Doing this in the loop because of a bug in [[Module:Arguments]]
            -- when using pairs with deleted arguments.
            page = mw.text.decode(v, true)
        elseif type(k) == 'number' then
            sections[k] = v
        else
            options[k] = v
        end
    end
    options.nopage = yesno (options.nopage);
    -- Extract section from page, if present
    if page then
        local p, s = page:match('^(.-)#(.*)$')
        if p then page, sections[1] = p, s end
    end
    -- Compress the sections array.
    local function compressArray(t)
        local nums, ret = {}, {}
        for num in pairs(t) do
            nums[#nums + 1] = num
        end
        table.sort(nums)
        for i, num in ipairs(nums) do
            ret[i] = t[num]
        end
        return ret
    end
    sections = compressArray(sections)
end
```



```
        return p._main(page, sections, options)
end
return p
```