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Modul:Hatnote

Vorlage:Lua

This is a meta-module that provides various functions for making hatnotes. It implements the Vorlage:Tl template, for use in hatnotes at the top of pages, and the Vorlage:Tl template, which is used to format a wikilink for use in hatnotes. It also contains a number of helper functions for use in other Lua hatnote modules.

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Use from wikitext

The functions in this module cannot be used directly from #invoke, and must be used through templates instead. Please see Template:Hatnote and Template:Format link for documentation.

Use from other Lua modules

To load this module from another Lua module, use the following code.

```
local mHatnote = require('Module:Hatnote')
```

You can then use the functions as documented below.

Hatnote

```
mHatnote._hatnote(s, options)
```

Formats the string *s* as a hatnote. This encloses *s* in the tags Vorlage:Tag. Options are provided in the *options* table. Options include:

- *options.extraclasses* - a string of extra classes to provide
- *options.selfref* - if this is not nil or false, adds the class "selfref", used to denote self-references to Wikipedia (see Template:Selfref))

The CSS of the hatnote class is defined in Module:Hatnote/styles.css.

Example 1

```
mHatnote._hatnote('This is a hatnote.')
```

Produces: Vorlage:Tag

Displays as: Vorlage:Hatnote

Example 2

```
mHatnote._hatnote('This is a hatnote.', {extraclasses = 'boilerplate seealso', se
```

Produces: Vorlage:Tag

Displayed as: Vorlage:Hatnote

Find namespace id

```
mHatnote.findNamespaceId(link, removeColon)
```

Finds the namespace id of the string *link*, which should be a valid page name, with or without the section name. This function will not work if the page name is enclosed with square brackets. When trying to parse the namespace name, colons are removed from the start of the link by default. This is helpful if users have specified colons when they are not strictly necessary. If you do not need to check for initial colons, set *removeColon* to false.

Examples

Vorlage:Code → 0
Vorlage:Code → 14
Vorlage:Code → 14
Vorlage:Code → 0 (the namespace is detected as ":Category", rather than "Category")

Make wikitext error

```
mHatnote.makeWikitextError(msg, helpLink, addTrackingCategory)
```

Formats the string *msg* as a red wikitext error message, with optional link to a help page *helpLink*. Normally this function also adds Vorlage:Clc. To suppress categorization, pass `false` as third parameter of the function (`addTrackingCategory`).

Examples:

Vorlage:Code → **Error: an error has occurred.**
Vorlage:Code → **Error: an error has occurred (help).**

Examples

For an example of how this module is used in other Lua modules, see Module:Main

```
--------------------------------------------------------------------------------
--                              Module:Hatnote                                --
--                                                                            --
-- This module produces hatnote links and links to related articles. It       --
-- implements the {{hatnote}} and {{format link}} meta-templates and includes --
-- helper functions for other Lua hatnote modules.                            --
--------------------------------------------------------------------------------

local libraryUtil = require('libraryUtil')
local checkType = libraryUtil.checkType
local checkTypeForNamedArg = libraryUtil.checkTypeForNamedArg
local mArguments -- lazily initialise [[Module:Arguments]]
local yesno -- lazily initialise [[Module:Yesno]]
local formatLink -- lazily initialise [[Module:Format link]] ._formatLink

local p = {}

--------------------------------------------------------------------------------
-- Helper functions
--------------------------------------------------------------------------------

local curNs = mw.title.getCurrentTitle().namespace
p.missingTargetCat =
        --Default missing target category, exported for use in related modules
        ((curNs ==  0) or (curNs == 14)) and
        'Articles with hatnote templates targeting a nonexistent page' or nil

local function getArgs(frame)
        -- Fetches the arguments from the parent frame. Whitespace is trimmed and
        -- blanks are removed.
        mArguments = require('Module:Arguments')
        return mArguments.getArgs(frame, {parentOnly = true})
end

local function removeInitialColon(s)
        -- Removes the initial colon from a string, if present.
        return s:match('^:?(.*)')
end

function p.findNamespaceId(link, removeColon)
        -- Finds the namespace id (namespace number) of a link or a pagename. Thi
        -- function will not work if the link is enclosed in double brackets. Col
        -- are trimmed from the start of the link by default. To skip colon
        -- trimming, set the removeColon parameter to false.
        checkType('findNamespaceId', 1, link, 'string')
        checkType('findNamespaceId', 2, removeColon, 'boolean', true)
        if removeColon ~= false then
                link = removeInitialColon(link)
        end
        local namespace = link:match('^(.-):')
        if namespace then
                local nsTable = mw.site.namespaces[namespace]
                if nsTable then
                        return nsTable.id
                end
        end
        return 0
end

function p.makeWikitextError(msg, helpLink, addTrackingCategory, title)
        -- Formats an error message to be returned to wikitext. If
        -- addTrackingCategory is not false after being returned from
        -- [[Module:Yesno]], and if we are not on a talk page, a tracking categor
        -- is added.
```

```
        checkType('makeWikitextError', 1, msg, 'string')
        checkType('makeWikitextError', 2, helpLink, 'string', true)
        yesno = require('Module:Yesno')
        title = title or mw.title.getCurrentTitle()
        -- Make the help link text.
        local helpText
        if helpLink then
                helpText = ' ([[' .. helpLink .. '|help]])'
        else
                helpText = ''
        end
        -- Make the category text.
        local category
        if not title.isTalkPage -- Don't categorise talk pages
                and title.namespace ~= 2 -- Don't categorise userspace
                and yesno(addTrackingCategory) ~= false -- Allow opting out
        then
                category = 'Hatnote templates with errors'
                category = mw.ustring.format(
                        '[[%s:%s]]',
                        mw.site.namespaces[14].name,
                        category
                )
        else
                category = ''
        end
        return mw.ustring.format(
                '<strong class="error">Error: %s%s.</strong>%s',
                msg,
                helpText,
                category
        )
end

function p.disambiguate(page, disambiguator)
        -- Formats a page title with a disambiguation parenthetical,
        -- i.e. "Example" → "Example (disambiguation)".
        checkType('disambiguate', 1, page, 'string')
        checkType('disambiguate', 2, disambiguator, 'string', true)
        disambiguator = disambiguator or 'disambiguation'
        return mw.ustring.format('%s (%s)', page, disambiguator)
end

--------------------------------------------------------------------------------
-- Hatnote
--
-- Produces standard hatnote text. Implements the {{hatnote}} template.
--------------------------------------------------------------------------------

function p.hatnote(frame)
        local args = getArgs(frame)
        local s = args[1]
        if not s then
                return p.makeWikitextError(
                        'no text specified',
                        'Template:Hatnote#Errors',
                        args.category
                )
        end
        return p._hatnote(s, {
                extraclasses = args.extraclasses,
                selfref = args.selfref
        })
end
```

```
function p._hatnote(s, options)
	checkType('_hatnote', 1, s, 'string')
	checkType('_hatnote', 2, options, 'table', true)
	options = options or {}
	local inline = options.inline
	local hatnote = mw.html.create(inline == 1 and 'span' or 'div')
	local extraclasses
	if type(options.extraclasses) == 'string' then
		extraclasses = options.extraclasses
	end

	hatnote
		:attr('role', 'note')
		:addClass(inline == 1 and 'hatnote-inline' or 'hatnote')
		:addClass('navigation-not-searchable')
		:addClass(extraclasses)
		:addClass(options.selfref and 'selfref')
		:wikitext(s)

	return mw.getCurrentFrame():extensionTag{
		name = 'templatestyles', args = { src = 'Module:Hatnote/styles.cs
	} .. tostring(hatnote)
end

return p
```

Modul:Hatnote/styles.css

```
/* {{pp|small=y}} */
.hatnote {
	font-style: italic;
}

/* Limit structure CSS to divs because of [[Module:Hatnote inline]] */
div.hatnote {
	/* @noflip */
	padding-left: 1.6em;
	margin-bottom: 0.5em;
}

.hatnote i {
	font-style: normal;
}

/* The templatestyles element inserts a link element before hatnotes.
 * TODO: Remove link if/when WMF resolves T200206 */
.hatnote + link + .hatnote {
	margin-top: -0.5em;
}
```