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Modul:Unsubst

Helper module to facilitate a substituted template transform into a template transclusion.

Maintenance templates, such as Vorlage:Tl or Vorlage:Tl, should never be substituted. A trick to avoid that is to make a template substitute to its transcluded form.

Infoboxes should use Module:Unsubst-infobox, as should any other templates with parameters listed in block format by default.

Usage

To turn a template into a self-substituting template, wrap the existing template code with:

```
{{SAFESUBST:<noinclude />#invoke:Unsubst||$B=
 [ ... existing template code ... ]
}}
```

The wikitext to display when not substed must be given as "$B". All other parameters passed to the #invoke will be copied to the generated template invocation as default values. If the value of any of these default parameters is `__DATE__`, that value in the generated template invocation will be the current month and year.

Some templates have a Vorlage:Tag but no matching Vorlage:Tag at the end of the template. In such cases the missing Vorlage:Tag must be added before the ending `Vorlage:))`.

Advanced

```
{{SAFESUBST:<noinclude />#invoke:Unsubst||$params=[ parameters ]|$aliases=[ alias
 [ ... existing template code ... ]
}}
```

Due to Lua limitations, parameters are normally ordered randomly when the template is substituted. Vorlage:Para can be used in #invoke:Unsubst to list template parameters in order, comma-separated (e.g. `egg,bacon,sausage,cheese,spam`). Numbered parameters should be before others in the list. Any remaining parameters are tacked onto the end of the generated invocation.

Parameter aliases can be listed in Vorlage:Para (and shouldn't be listed in Vorlage:Para), and will be replaced automatically. Each alias and its replacement should be formatted as `alias>replacement`, and each of those pairs should be comma-separated (e.g. `œuf>egg, melt>cheese`). Note that this parameter can function with or without Vorlage:Para.

Parameter Vorlage:Para can be used to modify other facets of the module's behaviour; entries are comma-separated. Valid flags are `override` (allows parameters in the #invoke: to take precedence over parameters in the original template invocation); `keep-whitespace` (prevents whitespace from being trimmed from unnamed parameters); and `remove-empty` (removes empty parameters).

These parameters can be manipulated using parser functions to provide more complicated options (note that in the parameters any parser function, or template or module invocation, should also have `SAFESUBST:<noinclude />`).

Parameter Vorlage:Para will override the subst'd templates name with the template name assigned to this parameter.

Example

Consider a template Template:Example containing the following code:

```
{{SAFESUBST:<noinclude />#invoke:Unsubst||foo=bar |date=__DATE__ |$B=

 [ ... Template code goes here ... ]

}}
```

Original	Result
Vorlage:Tlsc	Vorlage:Tlc
Vorlage:Tlsc	Vorlage:Tlc
Vorlage:Tlsc	Vorlage:Tlc
Vorlage:Tlsc	Vorlage:Tlc

```
local checkType = require('libraryUtil').checkType

local p = {}

local BODY_PARAM = '$B'

local specialParams = {
        ['$params'] = 'parameter list',
        ['$aliases'] = 'parameter aliases',
        ['$flags'] = 'flags',
        ['$B'] = 'template content',
        ['$template-name'] = 'template invocation name override',
}

function p.main(frame, body)
        -- If we are substing, this function returns a template invocation, and i
        -- not, it returns the template body. The template body can be specified
        -- the body parameter, or in the template parameter defined in the
        -- BODY_PARAM variable. This function can be called from Lua or from
        -- #invoke.
```

```
	-- Return the template body if we aren't substing.
	if not mw.isSubsting() then
		if body ~= nil then
			return body
		elseif frame.args[BODY_PARAM] ~= nil then
			return frame.args[BODY_PARAM]
		else
			error(string.format(
				"no template content specified (use parameter '%s
				BODY_PARAM
			), 2)
		end
	end

	-- Sanity check for the frame object.
	if type(frame) ~= 'table'
		or type(frame.getParent) ~= 'function'
		or not frame:getParent()
	then
		error(
			"argument #1 to 'main' must be a frame object with a pare
			"frame available",
			2
		)
	end

	-- Find the invocation name.
	local mTemplateInvocation = require('Module:Template invocation')
	local name

	if frame.args['$template-name'] and '' ~= frame.args['$template-name'] th
		name = frame.args['$template-name']
	else
		name = mTemplateInvocation.name(frame:getParent():getTitle())
	end

	-- Combine passed args with passed defaults
	local args = {}
	if string.find( ','..(frame.args['$flags'] or '')..',', ',%s*override%s*,
		for k, v in pairs( frame:getParent().args ) do
			args[k] = v
		end
		for k, v in pairs( frame.args ) do
			if not specialParams[k] then
				if v == '__DATE__' then
					v = mw.getContentLanguage():formatDate(
				end
				args[k] = v
			end
		end
	else
		for k, v in pairs( frame.args ) do
			if not specialParams[k] then
				if v == '__DATE__' then
					v = mw.getContentLanguage():formatDate(
				end
				args[k] = v
			end
		end
		for k, v in pairs( frame:getParent().args ) do
			args[k] = v
		end
	end
```

```
	-- Trim parameters, if not specified otherwise
	if not string.find( ','..(frame.args['$flags'] or '')..',', ',%s*keep%-wh
		for k, v in pairs( args ) do args[k] = mw.ustring.match(v, '^%s*(
	end

	-- Pull information from parameter aliases
	local aliases = {}
	if frame.args['$aliases'] then
		local list = mw.text.split( frame.args['$aliases'], '%s*,%s*' )
		for k, v in ipairs( list ) do
			local tmp = mw.text.split( v, '%s*>%s*' )
			aliases[tonumber(mw.ustring.match(tmp[1], '^[1-9][0-9]*$'
		end
	end
	for k, v in pairs( aliases ) do
		if args[k] and ( not args[v] or args[v] == '' ) then
			args[v] = args[k]
		end
		args[k] = nil
	end

	-- Remove empty parameters, if specified
	if string.find( ','..(frame.args['$flags'] or '')..',', ',%s*remove%-empt
		local tmp = 0
		for k, v in ipairs( args ) do
			if v ~= '' or ( args[k+1] and args[k+1] ~= '' ) or ( args
				tmp = k
			else
				break
			end
		end
		for k, v in pairs( args ) do
			if v == '' then
				if not (type(k) == 'number' and k < tmp) then arg
			end
		end
	end

	-- Order parameters
	if frame.args['$params'] then
		local params, tmp = mw.text.split( frame.args['$params'], '%s*,%s
		for k, v in ipairs(params) do
			v = tonumber(mw.ustring.match(v, '^[1-9][0-9]*$')) or v
			if args[v] then tmp[v], args[v] = args[v], nil end
		end
		for k, v in pairs(args) do tmp[k], args[k] = args[k], nil end
		args = tmp
	end

	return mTemplateInvocation.invocation(name, args)
end

p[''] = p.main -- For backwards compatibility

return p
```