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Module:Navbox

From Blue Gold Program Wiki

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This Lua module is used on [approximately 3,930,000 pages, or roughly 220539% of all pages](#). To avoid major disruption and server load, any changes should be tested in the module's [/sandbox](#) or [/testcases](#) subpages, or in your own [module sandbox](#). The tested changes can be added to this page in a single edit. Consider discussing changes on the [talk page](#) before implementing them.

This module is [subject to page protection](#). It is a [highly visible module](#) in use by a very large number of pages, or is [substituted](#) very frequently. Because vandalism or mistakes would affect many pages, and even trivial editing might cause substantial load on the servers, it is [protected](#) from editing.

This module depends on the following other modules:

- [Module:Navbar](#)
- [Module:Color contrast](#)
- [Module:Arguments](#)

Related pages

- [Template \(talk\)](#)
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This module implements the `{{Navbar}}` template. Please see the [template page](#) for usage instructions.

Tracking/maintenance categories[\[edit source\]](#)

- [Category:Navigational boxes without horizontal lists](#) (2)
- [Category:Navboxes using background colours](#) (1)
- [Category:Potentially illegible navboxes](#) (0)
- [Category:Navboxes using borders](#) (0)

```
--
-- This module implements {{Navbar}}
--

local p = {}

local navbar = require('Module:Navbar')._navbar
local getArgs -- lazily initialized

local args
local border
local listnums
local ODD_EVEN_MARKER = '\127_ODDEVEN_\127'
local RESTART_MARKER = '\127_ODDEVEN0_\127'
local REGEX_MARKER = '\127_ODDEVEN(%d?)_\127'

local function striped(wikitext)
    -- Return wikitext with markers replaced for odd/even striping.
    -- Child (subgroup) navboxes are flagged with a category that is
```

removed

```
-- by parent navboxes. The result is that the category shows all
pages
-- where a child navbox is not contained in a parent navbox.
local orphanCat = '[[Category:Navbox orphans]]'
if border == 'subgroup' and args.orphan ~= 'yes' then
    -- No change; striping occurs in outermost navbox.
    return wikitext .. orphanCat
end
local first, second = 'odd', 'even'
if args.evenodd then
    if args.evenodd == 'swap' then
        first, second = second, first
    else
        first = args.evenodd
        second = first
    end
end
local changer
if first == second then
    changer = first
else
    local index = 0
    changer = function (code)
        if code == '0' then
            -- Current occurrence is for a group before a
nested table.
            -- Set it to first as a valid although
pointless class.
            -- The next occurrence will be the first row
after a title
            -- in a subgroup and will also be first.
            index = 0
            return first
        end
        index = index + 1
        return index % 2 == 1 and first or second
    end
end
local regex = orphanCat:gsub('([%[%]])', '%%1')
return (wikitext:gsub(regex, '):gsub(REGEX_MARKER, changer)) -- ()
omits gsub count
end

local function processItem(item, nowrapitems)
    if item:sub(1, 2) == '{|' then
        -- Applying nowrap to lines in a table does not make sense.
        -- Add newlines to compensate for trim of x in |parm=x in a
template.
        return '\n' .. item .. '\n'
    end
end
```

```

        if nowrapitems == 'yes' then
            local lines = {}
            for line in (item .. '\n'):gmatch('([^\n]*)\n') do
                local prefix, content =
line:match('^([:;#]+)%s*(.*)')
                if prefix and not content:match('^<span
class="nowrap">') then
                    line = prefix .. '<span class="nowrap">' ..
content .. '</span>'
                end
                table.insert(lines, line)
            end
            item = table.concat(lines, '\n')
        end
        if item:match('^[[:;#]') then
            return '\n' .. item .. '\n'
        end
        return item
    end

local function renderNavBar(titleCell)

    if args.navbar ~= 'off' and args.navbar ~= 'plain' and not (not
args.name and mw.getCurrentFrame():getParent():getTitle():gsub('/sandbox$',
'') == 'Template:Navbox') then
        titleCell:wikitext(navbar{
            args.name,
            mini = 1,
            fontstyle = (args.basestyle or '') .. ';' ..
(args.titlestyle or '') .. ';background:none transparent;border:none;-moz-
box-shadow:none;-webkit-box-shadow:none;box-shadow:none; padding:0;'
        })
    end

end

--
-- Title row
--
local function renderTitleRow(tbl)
    if not args.title then return end

    local titleRow = tbl:tag('tr')

    if args.titlegroup then
        titleRow
            :tag('th')
                :attr('scope', 'row')
                :addClass('navbox-group')
                :addClass(args.titlegroupclass)
                :cssText(args.basestyle)
    end
end

```

```

        :cssText(args.groupstyle)
        :cssText(args.titlegroupstyle)
        :wikitext(args.titlegroup)
    end

    local titleCell = titleRow:tag('th'):attr('scope', 'col')

    if args.titlegroup then
        titleCell
            :css('border-left', '2px solid #fdfdfd')
            :css('width', '100%')
    end

    local titleColspan = 2
    if args.imageleft then titleColspan = titleColspan + 1 end
    if args.image then titleColspan = titleColspan + 1 end
    if args.titlegroup then titleColspan = titleColspan - 1 end

    titleCell
        :cssText(args.basestyle)
        :cssText(args.titlestyle)
        :addClass('navbox-title')
        :attr('colspan', titleColspan)

    renderNavBar(titleCell)

    titleCell
        :tag('div')
            -- id for aria-labelledby attribute
            :attr('id', mw.uri.anchorEncode(args.title))
            :addClass(args.titleclass)
            :css('font-size', '114%')
            :css('margin', '0 4em')
            :wikitext(processItem(args.title))
    end

end

--
--   Above/Below rows
--

local function getAboveBelowColspan()
    local ret = 2
    if args.imageleft then ret = ret + 1 end
    if args.image then ret = ret + 1 end
    return ret
end

local function renderAboveRow(tbl)
    if not args.above then return end

    tbl:tag('tr')

```

```

        :tag('td')
            :addClass('navbox-abovebelow')
            :addClass(Args.aboveclass)
            :cssText(Args.basestyle)
            :cssText(Args.abovestyle)
            :attr('colspan', getAboveBelowColspan())
            :tag('div')
                -- id for aria-labelledby attribute, if no
title
                :attr('id', Args.title and nil or
mw.uri.anchorEncode(Args.above))
                :wikitext(processItem(Args.above,
Args.nowrapitems))
end

local function renderBelowRow(tbl)
    if not Args.below then return end

    tbl:tag('tr')
        :tag('td')
            :addClass('navbox-abovebelow')
            :addClass(Args.belowclass)
            :cssText(Args.basestyle)
            :cssText(Args.belowstyle)
            :attr('colspan', getAboveBelowColspan())
            :tag('div')
                :wikitext(processItem(Args.below,
Args.nowrapitems))
end

--
-- List rows
--
local function renderListRow(tbl, index, listnum)
    local row = tbl:tag('tr')

    if index == 1 and Args.imageleft then
        row
            :tag('td')
                :addClass('noviewer')
                :addClass('navbox-image')
                :addClass(Args.imageclass)
                :css('width', '1px')
--
Minimize width
                :css('padding', '0px 2px 0px 0px')
                :cssText(Args.imageleftstyle)
                :attr('rowspan', #listnums)
                :tag('div')
:wikitext(processItem(Args.imageleft))
end

```

```

        if args['group' .. listnum] then
            local groupCell = row:tag('th')

            -- id for aria-labelledby attribute, if lone group with no
title or above
            if listnum == 1 and not (args.title or args.above or
args.group2) then
                groupCell
                    :attr('id', mw.uri.anchorEncode(args.group1))
            end

            groupCell
                :attr('scope', 'row')
                :addClass('navbox-group')
                :addClass(args.groupclass)
                :cssText(args.basestyle)
                :css('width', args.groupwidth or '1%') -- If
groupwidth not specified, minimize width

            groupCell
                :cssText(args.groupstyle)
                :cssText(args['group' .. listnum .. 'style'])
                :wikitext(args['group' .. listnum])
        end

        local listCell = row:tag('td')

        if args['group' .. listnum] then
            listCell
                :css('text-align', 'left')
                :css('border-left-width', '2px')
                :css('border-left-style', 'solid')
        else
            listCell:attr('colspan', 2)
        end

        if not args.groupwidth then
            listCell:css('width', '100%')
        end

        local rowstyle -- usually nil so cssText(rowstyle) usually adds
nothing
        if index % 2 == 1 then
            rowstyle = args.oddstyle
        else
            rowstyle = args.evenstyle
        end

        local listText = args['list' .. listnum]
        local oddEven = ODD_EVEN_MARKER
        if listText:sub(1, 12) == '</div><table' then

```

```

        -- Assume list text is for a subgroup navbox so no automatic
striping for this row.
        oddEven = listText:find('<th[^>]*"navbox%-title"') and
RESTART_MARKER or 'odd'
    end
    listCell
        :css('padding', '0px')
        :cssText(args.liststyle)
        :cssText(rowstyle)
        :cssText(args['list' .. listnum .. 'style'])
        :addClass('navbox-list')
        :addClass('navbox-' .. oddEven)
        :addClass(args.listclass)
        :addClass(args['list' .. listnum .. 'class'])
        :tag('div')
            :css('padding', (index == 1 and args.listlpadding) or
args.listpadding or '0em 0.25em')
            :wikitext(processItem(listText, args.nowrapitems))

    if index == 1 and args.image then
        row
            :tag('td')
                :addClass('noviewer')
                :addClass('navbox-image')
                :addClass(args.imageclass)
                :css('width', '1px')
                --
Minimize width
                :css('padding', '0px 0px 0px 2px')
                :cssText(args.imagestyle)
                :attr('rowspan', #listnums)
                :tag('div')
                    :wikitext(processItem(args.image))

    end
end

--
-- Tracking categories
--

local function needsHorizontalLists()
    if border == 'subgroup' or args.tracking == 'no' then
        return false
    end
    local listClasses = {
        ['plainlist'] = true, ['hlist'] = true, ['hlist hnum'] =
true,
        ['hlist hwrap'] = true, ['hlist vcard'] = true, ['vcard
hlist'] = true,
        ['hlist vevent'] = true,
    }

```



```

        return not (listClasses[args.listclass] or
listClasses[args.bodyclass])
end

local function hasBackgroundColors()
    for _, key in ipairs({'titlestyle', 'groupstyle', 'basestyle',
'abovestyle', 'belowstyle'}) do
        if tostring(args[key]):find('background', 1, true) then
            return true
        end
    end
end

local function hasBorders()
    for _, key in ipairs({'groupstyle', 'basestyle', 'abovestyle',
'belowstyle'}) do
        if tostring(args[key]):find('border', 1, true) then
            return true
        end
    end
end

local function isIllegible()
    local styleratio = require('Module:Color contrast')._styleratio

    for key, style in pairs(args) do
        if tostring(key):match("style$") then
            if styleratio{mw.text.unstripNoWiki(style)} < 4.5
then
                return true
            end
        end
    end
    return false
end

local function getTrackingCategories()
    local cats = {}
    if needsHorizontalLists() then table.insert(cats, 'Navigational boxes
without horizontal lists') end
    if hasBackgroundColors() then table.insert(cats, 'Navboxes using
background colours') end
    if isIllegible() then table.insert(cats, 'Potentially illegible
navboxes') end
    if hasBorders() then table.insert(cats, 'Navboxes using borders') end
    return cats
end

local function renderTrackingCategories(builder)
    local title = mw.title.getCurrentTitle()
    if title.namespace ~= 10 then return end -- not in template space

```

```

        local subpage = title.subpageText
        if subpage == 'doc' or subpage == 'sandbox' or subpage == 'testcases'
then return end

        for _, cat in ipairs(getTrackingCategories()) do
            builder:wikitext('[[Category:' .. cat .. ']]')
        end
    end
end

--
-- Main navbox tables
--
local function renderMainTable()
    local tbl = mw.html.create('table')
        :addClass('nowraplinks')
        :addClass(args.bodyclass)

    if args.title and (args.state ~= 'plain' and args.state ~= 'off')
then
        if args.state == 'collapsed' then args.state = 'mw-collapsed'
end
        tbl
            :addClass('mw-collapsible')
            :addClass(args.state or 'autocollapse')
    end

    tbl:css('border-spacing', 0)
    if border == 'subgroup' or border == 'none' then
        tbl
            :addClass('navbox-subgroup')
            :cssText(args.bodystyle)
            :cssText(args.style)
    else -- regular navbox - bodystyle and style will be applied to the
wrapper table
        tbl
            :addClass('navbox-inner')
            :css('background', 'transparent')
            :css('color', 'inherit')
        end
        tbl:cssText(args.innerstyle)

        renderTitleRow(tbl)
        renderAboveRow(tbl)
        for i, listnum in ipairs(listnums) do
            renderListRow(tbl, i, listnum)
        end
        renderBelowRow(tbl)

        return tbl
    end
end

```

```

function p._navbox(navboxArgs)
    args = navboxArgs
    listnums = {}

    for k, _ in pairs(args) do
        if type(k) == 'string' then
            local listnum = k:match('^list(%d+)$')
            if listnum then table.insert(listnums,
tonumber(listnum)) end
        end
    end
    table.sort(listnums)

    border = mw.text.trim(args.border or args[1] or '')
    if border == 'child' then
        border = 'subgroup'
    end

    -- render the main body of the navbox
    local tbl = renderMainTable()

    -- render the appropriate wrapper around the navbox, depending on the
border param
    local res = mw.html.create()
    if border == 'none' then
        local nav = res:tag('div')
            :attr('role', 'navigation')
            :node(tbl)
        -- aria-labelledby by title, otherwise above, otherwise lone
group
        if args.title or args.above or (args.group1 and not
args.group2) then
            nav:attr('aria-labelledby',
mw.uri.anchorEncode(args.title or args.above or args.group1))
        else
            nav:attr('aria-label', 'Navbox')
        end
    elseif border == 'subgroup' then
        -- We assume that this navbox is being rendered in a list
cell of a parent navbox, and is
        -- therefore inside a div with padding:0em 0.25em. We start
with a </div> to avoid the
        -- padding being applied, and at the end add a <div> to
balance out the parent's </div>
        res
            :wikitext('</div>')
            :node(tbl)
            :wikitext('<div>')
    else
        local nav = res:tag('div')
            :attr('role', 'navigation')

```

```

        :addClass('navbox')
        :addClass(args.navboxclass)
        :cssText(args.bodystyle)
        :cssText(args.style)
        :css('padding', '3px')
        :node(tbl)
    -- aria-labelledby title, otherwise above, otherwise lone
group
    if args.title or args.above or (args.group1 and not
args.group2) then
        nav:attr('aria-labelledby',
mw.uri.anchorEncode(args.title or args.above or args.group1))
    else
        nav:attr('aria-label', 'Navbox')
    end
end

    if (args.nocat or 'false'):lower() == 'false' then
        renderTrackingCategories(res)
    end
    return striped(tostring(res))
end

function p.navbox(frame)
    if not getArgs then
        getArgs = require('Module:Arguments').getArgs
    end
    args = getArgs(frame, {wrappers = {'Template:Navbox'}})

    -- Read the arguments in the order they'll be output in, to make
references number in the right order.
    local _
    _ = args.title
    _ = args.above
    for i = 1, 20 do
        _ = args["group" .. tostring(i)]
        _ = args["list" .. tostring(i)]
    end
    _ = args.below

    return p._navbox(args)
end

return p

```

actions taken to prevent or repair the deterioration of water management infrastructure and to keep the physical components of a water management system in such a state that they can serve their intended function.

Retrieved from "<https://www.bluegoldwiki.com/index.php?title=Module:Navbox&oldid=3665>"

Namespaces

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Variants

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Blue Gold Program Wiki

The wiki version of the Lessons Learnt Report of the Blue Gold program, documents the experiences of a technical assistance (TA) team working in a development project implemented by the Bangladesh Water Development Board (BWDB) and the Department of Agricultural Extension (DAE) over an eight+ year period from March 2013 to December 2021. The wiki lessons learnt report (LLR) is intended to complement the BWDB and DAE project completion reports (PCRs), with the aim of recording lessons learnt for use in the design and implementation of future interventions in the coastal zone.

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