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# Module:Navbox

From Blue Gold Program Wiki

The printable version is no longer supported and may have rendering errors. Please update your browser bookmarks and please use the default browser print function instead.

**This Lua module is used on approximately 3,930,000 pages, or roughly 220539% of all pages.**

40px 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:

- [30px](#)
- [Module:Navbar](#)
  - [Module:Color contrast](#)
  - [Module:Arguments](#)

## Related pages

- [Template \(talk\)](#)
- [Template sandbox](#)
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  - [Template doc](#)
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  - [Module \(talk\)](#)
  - [Module sandbox](#)
  - [Module testcases](#)
    - [Module doc](#)
  - [Module subpages](#)

This module implements the `{{Navbox}}` 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 {{Navbox}}  
--  
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_ODDEVENO_\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

```

```

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)

```

```

        :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

-- 
-- 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.list1padding) 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

-- 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

```

```

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 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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