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Module:Infobox

From Blue Gold Program Wiki

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Documentation for this module may be created at [Module:Infobox/doc](#)

```

--
-- This module implements {{Infobox}}
--

local p = {}

local navbar = require('Module:Navbar')._navbar

local args = {}
local origArgs = {}
local root

local function notempty( s ) return s and s:match( '%S' ) end

local function fixChildBoxes(sval, tt)
    if notempty(sval) then
        local marker = '<span class=special_infobox_marker>'
        local s = sval
        s = mw.usttring.gsub(s, '(<%s*[Tt][Rr])', marker .. '%1')
        s = mw.usttring.gsub(s, '(</[Tt][Rr]%s*>)', '%1' .. marker)
        if s:match(marker) then
            s = mw.usttring.gsub(s, marker .. '%s*' .. marker, '')
            s = mw.usttring.gsub(s, '([\r\n]|-[\^r\n]*[\r\n])%s*'
.. marker, '%1')
            s = mw.usttring.gsub(s, marker .. '%s*([\r\n]|-)',
'%1')
            s = mw.usttring.gsub(s,
'(</[Cc][Aa][Pp][Tt][Ii][Oo][Nn]%s*>%s*)' .. marker, '%1')
            s = mw.usttring.gsub(s,
'(<%s*[Tt][Aa][Bb][Ll][Ee][^<>]*>%s*)' .. marker, '%1')
            s = mw.usttring.gsub(s, '^(%{|[\^r\n]*[\r\n]%s*)' ..
marker, '%1')
            s = mw.usttring.gsub(s, '([\r\n]%{|[\^r\n]*[\r\n]%s*)'
.. marker, '%1')
            s = mw.usttring.gsub(s, marker ..
'(%s*</[Tt][Aa][Bb][Ll][Ee]%s*>)', '%1')
            s = mw.usttring.gsub(s, marker .. '(%s*\n|%)', '%1')
        end
        if s:match(marker) then
            local subcells = mw.text.split(s, marker)
            s = ''
            for k = 1, #subcells do
                if k == 1 then
                    s = s .. subcells[k] .. '</' .. tt ..
'></tr>'
                elseif k == #subcells then
                    local rowstyle = '
style="display:none"'
                    if notempty(subcells[k]) then
                        rowstyle = '
rowstyle = ''
end
s = s .. '<tr' .. rowstyle .. '><' ..

```

```

tt .. ' colspan=2>\n' .. subcells[k]
                                elseif notempty(subcells[k]) then
                                    if (k % 2) == 0 then
                                        s = s .. subcells[k]
                                    else
                                        s = s .. '<tr><' .. tt .. '
colspan=2>\n' .. subcells[k] .. '</' .. tt .. '></tr>'
                                end
                            end
                        end
                    end
                end
            -- the next two lines add a newline at the end of lists for
the PHP parser
            --
https://en.wikipedia.org/w/index.php?title=Template\_talk:Infobox\_musical\_arti
st&oldid=849054481
            -- remove when [[:phab:T191516]] is fixed or OBE
            s = mw.ustr.gsub(s, '([\r\n][%*#;:][^\r\n]*)$', '%1\n')
            s = mw.ustr.gsub(s, '^([%*#;:][^\r\n]*)$', '%1\n')
            s = mw.ustr.gsub(s, '^([%*#;:])', '\n%1')
            s = mw.ustr.gsub(s, '^(%{%)', '\n%1')
            return s
        else
            return sval
        end
    end
end

local function union(t1, t2)
    -- Returns the union of the values of two tables, as a sequence.
    local vals = {}
    for k, v in pairs(t1) do
        vals[v] = true
    end
    for k, v in pairs(t2) do
        vals[v] = true
    end
    local ret = {}
    for k, v in pairs(vals) do
        table.insert(ret, k)
    end
    return ret
end

local function getArgNums(prefix)
    -- Returns a table containing the numbers of the arguments that exist
    -- for the specified prefix. For example, if the prefix was 'data',
and
    -- 'data1', 'data2', and 'data5' exist, it would return {1, 2, 5}.
    local nums = {}
    for k, v in pairs(args) do
        local num = tostring(k):match('^' .. prefix .. '([1-9]%d*)$')

```

```

        if num then table.insert(nums, tonumber(num)) end
    end
    table.sort(nums)
    return nums
end

local function addRow(rowArgs)
    -- Adds a row to the infobox, with either a header cell
    -- or a label/data cell combination.
    if rowArgs.header and rowArgs.header ~= '_BLANK_' then
        root
            :tag('tr')
                :addClass(rowArgs.rowclass)
                :cssText(rowArgs.rowstyle)
                :attr('id', rowArgs.rowid)
                :tag('th')
                    :attr('colspan', 2)
                    :attr('id', rowArgs.headerid)
                    :addClass(rowArgs.class)
                    :addClass(args.headerclass)
                    :css('text-align', 'center')
                    :cssText(args.headerstyle)
                    :cssText(rowArgs.rowcellstyle)
:wikitext(fixChildBoxes(rowArgs.header, 'th'))
        if rowArgs.data then
            root:wikitext('[[Category:Pages which use infobox
templates with ignored data cells]]')
        end
        elseif rowArgs.data then
            if not
rowArgs.data:gsub('%[%[%s*[Cc][Aa][Tt][Ee][Gg][Oo][Rr][Yy]%s*:[^]]*]]',
''):match('^%S') then
                rowArgs.rowstyle = 'display:none'
            end
            local row = root:tag('tr')
            row:addClass(rowArgs.rowclass)
            row:cssText(rowArgs.rowstyle)
            row:attr('id', rowArgs.rowid)
            if rowArgs.label then
                row
                    :tag('th')
                        :attr('scope', 'row')
                        :attr('id', rowArgs.labelid)
                        :cssText(args.labelstyle)
                        :cssText(rowArgs.rowcellstyle)
                        :wikitext(rowArgs.label)
                        :done()
            end
        end

        local dataCell = row:tag('td')
        if not rowArgs.label then

```

```

        dataCell
            :attr('colspan', 2)
            :css('text-align', 'center')
        end
        dataCell
            :attr('id', rowArgs.dataid)
            :addClass(rowArgs.class)
            :cssText(rowArgs.datastyle)
            :cssText(rowArgs.rowcellstyle)
            :wikitext(fixChildBoxes(rowArgs.data, 'td'))
        end
    end
end

local function renderTitle()
    if not args.title then return end

    root
        :tag('caption')
        :addClass(args.titleclass)
        :cssText(args.titlestyle)
        :wikitext(args.title)
    end
end

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

    root
        :tag('tr')
        :tag('th')
            :attr('colspan', 2)
            :addClass(args.aboveclass)
            :css('text-align', 'center')
            :css('font-size', '125%')
            :css('font-weight', 'bold')
            :cssText(args.abovestyle)
            :wikitext(fixChildBoxes(args.above, 'th'))
        end
    end
end

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

    root
        :tag('tr')
        :tag('td')
            :attr('colspan', '2')
            :addClass(args.belowclass)
            :css('text-align', 'center')
            :cssText(args.belowstyle)
            :wikitext(fixChildBoxes(args.below, 'td'))
        end
    end
end

```

```

local function renderSubheaders()
    if args.subheader then
        args.subheader1 = args.subheader
    end
    if args.subheaderrowclass then
        args.subheaderrowclass1 = args.subheaderrowclass
    end
    local subheadernums = getArgNums('subheader')
    for k, num in ipairs(subheadernums) do
        addRow({
            data = args['subheader' .. tostring(num)],
            datastyle = args.subheaderstyle,
            rowcellstyle = args['subheaderstyle' ..
tostring(num)],
            class = args.subheaderclass,
            rowclass = args['subheaderrowclass' .. tostring(num)]
        })
    end
end

local function renderImages()
    if args.image then
        args.image1 = args.image
    end
    if args.caption then
        args.caption1 = args.caption
    end
    local imagenums = getArgNums('image')
    for k, num in ipairs(imagenums) do
        local caption = args['caption' .. tostring(num)]
        local data = mw.html.create():wikitext(args['image' ..
tostring(num)])
        if caption then
            data
                :tag('div')
                    :cssText(args.captionstyle)
                    :wikitext(caption)
            end
        addRow({
            data = tostring(data),
            datastyle = args.imagestyle,
            class = args.imageclass,
            rowclass = args['imagerowclass' .. tostring(num)]
        })
    end
end

local function preprocessRows()
    -- Gets the union of the header and data argument numbers,
    -- and renders them all in order using addRow.
    local rownums = union(getArgNums('header'), getArgNums('data'))

```

```

table.sort(rownums)
local lastheader
for k, num in ipairs(rownums) do
    if args['header' .. tostring(num)] then
        if lastheader then
            args['header' .. tostring(lastheader)] = nil
        end
        lastheader = num
    elseif args['data' .. tostring(num)] and args['data' ..
tostring(num)]:gsub('%[%[%s*[Cc][Aa][Tt][Ee][Gg][Oo][Rr][Yy]%s*:^[^]]*]]',
''):match('^%S') then
        local data = args['data' .. tostring(num)]
        if
data:gsub('%[%[%s*[Cc][Aa][Tt][Ee][Gg][Oo][Rr][Yy]%s*:^[^]]*]]',
''):match('%S') then
            lastheader = nil
        end
    end
end
if lastheader then
    args['header' .. tostring(lastheader)] = nil
end
end

local function renderRows()
    -- Gets the union of the header and data argument numbers,
    -- and renders them all in order using addRow.
    local rownums = union(getArgNums('header'), getArgNums('data'))
    table.sort(rownums)
    for k, num in ipairs(rownums) do
        addRow({
            header = args['header' .. tostring(num)],
            label = args['label' .. tostring(num)],
            data = args['data' .. tostring(num)],
            datastyle = args.datastyle,
            class = args['class' .. tostring(num)],
            rowclass = args['rowclass' .. tostring(num)],
            rowstyle = args['rowstyle' .. tostring(num)],
            rowcellstyle = args['rowcellstyle' .. tostring(num)],
            dataid = args['dataid' .. tostring(num)],
            labelid = args['labelid' .. tostring(num)],
            headerid = args['headerid' .. tostring(num)],
            rowid = args['rowid' .. tostring(num)]
        })
    end
end

local function renderNavBar()
    if not args.name then return end

    root

```

```

        :tag('tr')
            :tag('td')
                :attr('colspan', '2')
                :css('text-align', 'right')
                :wikitext(navbar{
                    args.name,
                    mini = 1,
                })
    end

local function renderItalicTitle()
    local italicTitle = args['italic title'] and
mw.ustrstring.lower(args['italic title'])
    if italicTitle == '' or italicTitle == 'force' or italicTitle ==
'yes' then
        root:wikitext(mw.getCurrentFrame():expandTemplate({title =
'italic title'}))
    end
end

local function renderTrackingCategories()
    if args.decat ~= 'yes' then
        if args.child == 'yes' then
            if args.title then
                root:wikitext('[[Category:Pages which use
embedded infobox templates with the title parameter]]')
            end
            elseif #(getArgNums('data')) == 0 and
mw.title.getCurrentTitle().namespace == 0 then
                root:wikitext('[[Category:Articles which use infobox
templates with no data rows]]')
            end
        end
    end

local function _infobox()
    -- Specify the overall layout of the infobox, with special settings
    -- if the infobox is used as a 'child' inside another infobox.
    if args.child ~= 'yes' then
        root = mw.html.create('table')

        root
            :addClass((args.subbox ~= 'yes') and 'infobox' or
nil)
            :addClass(args.bodyclass)

            if args.subbox == 'yes' then
                root
                    :css('padding', '0')
                    :css('border', 'none')
                    :css('margin', '-3px')

```



```

                                :css('width', 'auto')
                                :css('min-width', '100%')
                                :css('font-size', '100%')
                                :css('clear', 'none')
                                :css('float', 'none')
                                :css('background-color',
'transparent')
                                else
                                    root
                                    :css('width', '22em')
                                end
                                root
                                :cssText(args.bodystyle)

                                renderTitle()
                                renderAboveRow()
else
    root = mw.html.create()

    root
        :wikitext(args.title)
end

renderSubheaders()
renderImages()
if args.autoheaders then
    preprocessRows()
end
renderRows()
renderBelowRow()
renderNavBar()
renderItalicTitle()
renderTrackingCategories()

return tostring(root)
end

local function preprocessSingleArg(argName)
    -- If the argument exists and isn't blank, add it to the argument
table.
    -- Blank arguments are treated as nil to match the behaviour of
ParserFunctions.
    if origArgs[argName] and origArgs[argName] ~= '' then
        args[argName] = origArgs[argName]
    end
end

local function preprocessArgs(prefixTable, step)
    -- Assign the parameters with the given prefixes to the args table,
in order, in batches
    -- of the step size specified. This is to prevent references etc.

```

```

from appearing in the
    -- wrong order. The prefixTable should be an array containing tables,
each of which has
    -- two possible fields, a "prefix" string and a "depend" table. The
function always parses
    -- parameters containing the "prefix" string, but only parses
parameters in the "depend"
    -- table if the prefix parameter is present and non-blank.
if type(prefixTable) ~= 'table' then
    error("Non-table value detected for the prefix table", 2)
end
if type(step) ~= 'number' then
    error("Invalid step value detected", 2)
end

    -- Get arguments without a number suffix, and check for bad input.
for i,v in ipairs(prefixTable) do
    if type(v) ~= 'table' or type(v.prefix) ~= "string" or
(v.depend and type(v.depend) ~= 'table') then
        error('Invalid input detected to preprocessArgs
prefix table', 2)
    end
    preprocessSingleArg(v.prefix)
    -- Only parse the depend parameter if the prefix parameter is
present and not blank.
    if args[v.prefix] and v.depend then
        for j, dependValue in ipairs(v.depend) do
            if type(dependValue) ~= 'string' then
                error('Invalid "depend" parameter
value detected in preprocessArgs')
            end
            preprocessSingleArg(dependValue)
        end
    end
end

end

    -- Get arguments with number suffixes.
local a = 1 -- Counter variable.
local moreArgumentsExist = true
while moreArgumentsExist == true do
    moreArgumentsExist = false
    for i = a, a + step - 1 do
        for j,v in ipairs(prefixTable) do
            local prefixArgName = v.prefix .. tostring(i)
            if origArgs[prefixArgName] then
                moreArgumentsExist = true -- Do
another loop if any arguments are found, even blank ones.
                preprocessSingleArg(prefixArgName)
            end
            -- Process the depend table if the prefix
argument is present and not blank, or

```

```

-- we are processing "prefix1" and "prefix"
is present and not blank, and
-- if the depend table is present.
if v.depend and (args[prefixArgName] or (i ==
1 and args[v.prefix])) then
    for j,dependValue in ipairs(v.depend)
do
        local dependArgName =
dependValue .. tostring(i)
preprocessSingleArg(dependArgName)
    end
end
end
end
end
a = a + step
end
end

local function parseDataParameters()
    -- Parse the data parameters in the same order that the old
{{infobox}} did, so that
    -- references etc. will display in the expected places. Parameters
that depend on
    -- another parameter are only processed if that parameter is present,
to avoid
    -- phantom references appearing in article reference lists.
preprocessSingleArg('autoheaders')
preprocessSingleArg('child')
preprocessSingleArg('bodyclass')
preprocessSingleArg('subbox')
preprocessSingleArg('bodystyle')
preprocessSingleArg('title')
preprocessSingleArg('titleclass')
preprocessSingleArg('titlestyle')
preprocessSingleArg('above')
preprocessSingleArg('aboveclass')
preprocessSingleArg('abovestyle')
preprocessArgs({
    {prefix = 'subheader', depend = {'subheaderstyle',
'subheaderrowclass'}}
}, 10)
preprocessSingleArg('subheaderstyle')
preprocessSingleArg('subheaderclass')
preprocessArgs({
    {prefix = 'image', depend = {'caption', 'imagerowclass'}}
}, 10)
preprocessSingleArg('captionstyle')
preprocessSingleArg('imagestyle')
preprocessSingleArg('imageclass')
preprocessArgs({
    {prefix = 'header'},

```

```

        {prefix = 'data', depend = {'label'}},
        {prefix = 'rowclass'},
        {prefix = 'rowstyle'},
        {prefix = 'rowcellstyle'},
        {prefix = 'class'},
        {prefix = 'dataid'},
        {prefix = 'labelid'},
        {prefix = 'headerid'},
        {prefix = 'rowid'}
    }, 50)
    preprocessSingleArg('headerclass')
    preprocessSingleArg('headerstyle')
    preprocessSingleArg('labelstyle')
    preprocessSingleArg('datastyle')
    preprocessSingleArg('below')
    preprocessSingleArg('belowclass')
    preprocessSingleArg('belowstyle')
    preprocessSingleArg('name')
    args['italic title'] = origArgs['italic title'] -- different
behaviour if blank or absent
    preprocessSingleArg('decat')
end

function p.infobox(frame)
    -- If called via #invoke, use the args passed into the invoking
template.
    -- Otherwise, for testing purposes, assume args are being passed
directly in.
    if frame == mw.getCurrentFrame() then
        origArgs = frame:getParent().args
    else
        origArgs = frame
    end
    parseDataParameters()
    return _infobox()
end

function p.infoboxTemplate(frame)
    -- For calling via #invoke within a template
    origArgs = {}
    for k,v in pairs(frame.args) do origArgs[k] = mw.text.trim(v) end
    parseDataParameters()
    return _infobox()
end
return p

```

Retrieved from "<https://www.bluegoldwiki.com/index.php?title=Module:Infobox&oldid=3594>"

Namespaces

- [Module](#)
- [Discussion](#)

Variants

This page was last edited on 15 November 2020, at 11:23.

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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