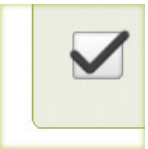
# Adding a Guarana UI checkbox on a web page

## Overview

This code example shows how to add a checkbox on a web page using Guarana UI components. The checkbox component looks like this:



You can download the component library from Guarana UI: a jQuery-Based UI Library for Nokia WRT.

## Source: Relevant HTML components

```
<head>
    <!-- Guarana UI style sheets -->
    <link rel="stylesheet"
        href="style/themes/themeroller/default-theme/ui.all.css"
        type="text/css" media="screen">

    <!-- Guarana UI scripts -->
    <script type="text/javascript" src="lib/jquery/jquery.js"
        charset="utf-8"></script>
    <script type="text/javascript" src="lib/guarana/defaults.js"
        charset="utf-8"></script>
    <script type="text/javascript" src="lib/guarana/core.js"
        charset="utf-8"></script>
</head>
<body>
    <div id="bodyContent" class="bodyContent">
        <input type="checkbox" id="cb0" name="cb0" value="Checkbox 1" />
        <input type="checkbox" id="cb1" name="cb1" value="Checkbox 2" />
        <input type="checkbox" id="cb2" name="cb2" value="Checkbox 3" />
    </div>
</body>
```

## Source: JavaScript

```
var CHECKBOXES = 3;
var checkboxes = [];

Nokia.use("optiongroup", "checkbox", init);

// Initializes the widget
function init() {
    for (var i = 0; i < CHECKBOXES; i++) {
        checkboxes[i] = new Nokia.CheckBox({
            element: "#cb" + i,
            label: "Checkbox " + (i + 1),
            wrapper: "div"
        });
    }
}
```

To find out if the checkbox has been checked, use the `isChecked()` method:

```
// Shows the checked boxes.
function executeSnippet() {
    var checkboxesChecked = 0;
    for (var i = 0; i < checkboxes.length; i++) {
        if (checkboxes[i].isChecked()) {
            checkboxesChecked++;
        }
    }
    displayNote("Checked checkboxes: " + checkboxesChecked);
}
```

**Note**: The checkbox component requires the following files from the library:

- lib/jquery/jquery.js
- src/core.js
- src/defaults.js
- src/dom.js (implicitly loaded by core.js)
- src/util.js (implicitly loaded by core.js)
- src/device.js (implicitly loaded by core.js)
- src/animation.js (implicitly loaded by core.js)
- src/widget.js (implicitly loaded by core.js)
- src/optionbox.js (implicitly loaded by core.js)
- src/checkbox.js (implicitly loaded by core.js)
- themes/nokia/base/base.css (implicitly loaded by core.js)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- themes/nokia/base/checkbox.css (implicitly loaded by core.js)
- themes/nokia/base/images/checkbox.png (from checkbox.css)
- themes/nokia/base/images/shadow.png (from base.css)
- themes/nokia/base/images/shadow-c.png (from base.css)
- themes/nokia/base/images/shadow-lr.png (from base.css)
- themes/themeroller/default-theme/ui.accordion.css
- themes/themeroller/default-theme/ui.all.css
- themes/themeroller/default-theme/ui.base.css
- themes/themeroller/default-theme/ui.core.css
- themes/themeroller/default-theme/ui.theme.css
- themes/themeroller/default-theme/images/ui-bg_diagonals-thick_10_444444_40x40.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_flat_0_000000_40x100.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_glass_20_9f1504_640x400.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_glass_40_8ab61c_640x400.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_glass_55_8ab61c_640x400.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_glass_100_c2cba5_640x400.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_highlight-hard_80_ededed_640x100.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-bg_highlight-soft_100_ededed_640x100.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-icons_89bf43_256x240.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-icons_97B72B_256x240.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-icons_222222_256x240.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-icons_e3bfb5_256x240.png (from ui.theme.css)
- themes/themeroller/default-theme/images/ui-icons_ffffff_256x240.png (from ui.theme.css)

## Postconditions

A Guarana UI checkbox is added on the web page. When **Options** > **Execute snippet** is selected, the number of checked checkboxes is displayed.

## See also

- '

## Supplementary material

This code snippet is part of the stub concept, which means that it has been patched on top of a template application in order to be more useful for developers. The version of the WRT stub application used as a template in this snippet is v1.2.

- The patched, executable application that can be used to test the features described in this snippet is available for download at Media:adding a guarana ui checkbox.zip.
- You can view all the changes that are required to implement the above-mentioned features. The changes are provided in unified diff and colour-coded diff (HTML) formats in Media:adding a guarana ui checkbox.diff.zip.
- For general information on applying the patch, see Using Diffs.
- For unpatched stub applications, see Example app stubs with logging framework.


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