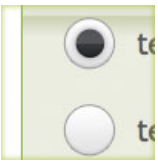
Adding a Guarana UI radio button on a web page

Overview

This code snippet demonstrates how to add a radio button on a web page using Guarana UI components. The radio button 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">
        <div id="optiongroup"></div>

        <input type="radio" id="radio0" name="radio" value="Radio 1" />
        <input type="radio" id="radio1" name="radio" value="Radio 2" />
        <input type="radio" id="radio2" name="radio" value="Radio 3" />
    </div>
</body>
```

Source: JavaScript

```
var RADIO_BUTTONS = 3;
var radiobuttons = [];

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

// Initialises the widget
function init() {
    var optionGroup = new Nokia.OptionGroup({
        element: "#optiongroup",
        title: "Option Group"
    });

    for (var i = 0; i < RADIO_BUTTONS; i++) {
```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```
        radiobuttons[i] = new Nokia.RadioBox({
            element: "#radio" + i,
            label: "Radio " + (i + 1)
        });
        // Add the radio button to the option group
        optionGroup.addItem(radiobuttons[i]);
    }

    // Check the first radio button
    radiobuttons[0].check();
}
```

The radio button should be added into an option group (class `Nokia.OptionGroup`) so that only one of the radio buttons belonging to a group can be selected at a time.

To find out whether the radio button has been checked, use the `isChecked()` method:

```
// Shows which radio button is checked.
function executeSnippet() {
    for (var i = 0; i < radiobuttons.length; i++) {
        if (radiobuttons[i].isChecked()) {
            displayNote("Checked radio button: #" + (i + 1));
            return;
        }
    }
}
```

Note: The radio button 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/radiobox.js` (implicitly loaded by `core.js`)
- `themes/nokia/base/base.css` (implicitly loaded by `core.js`)
- `themes/nokia/base/radiobox.css` (implicitly loaded by `core.js`)
- `themes/nokia/base/images/radiobox.png` (from `radiobox.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`)

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- `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`)

In addition, the following files are required if `Nokia.OptionGroup` is used:

- `src/optiongroup.js` (implicitly loaded by `core.js`)
- `themes/nokia/base/optiongroup.css` (implicitly loaded by `core.js`)

Postconditions

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

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 radio button.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 radio button.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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