Adding a Guarana UI carousel on a web page

Overview

This code snippet demonstrates how to add a carousel on a web page using Guarana UI components. The carousel 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/jquery/jquery.scrollTo.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">
        <ul id="carousel">
            <li><img src="gfx/carousel01.jpg"/></li>
            <li><img src="gfx/carousel02.jpg"/></li>
            <li><img src="gfx/carousel03.jpg"/></li>
            <li><img src="gfx/carousel04.jpg"/></li>
            <li><img src="gfx/carousel05.jpg"/></li>
            <li><img src="gfx/carousel01.jpg"/></li>
            <li><img src="gfx/carousel04.jpg"/></li>
            <li><img src="gfx/carousel05.jpg"/></li>
            <li><img src="gfx/carousel02.jpg"/></li>
            <li><img src="gfx/carousel03.jpg"/></li>
        </ul>
    </div>
</body>
```

Source: JavaScript

```
Nokia.use("carousel", init);

// Initializes the widget
function init() {
    var carousel = new Nokia.Carousel({
        element: "#carousel",
        visibleItems: 4,
        width: 400,
        delay: 150,
        select: function() {
            alert("Clicked");
        }
    });
}
```

The `visibleItems` attribute defines how many items inside the carousel component are visible at a time. The `delay` attribute specifies the time (in milliseconds) used in the transition effect when the carousel is spinned. If you don't want a transition effect, set the `applyTransition` attribute to `false`. The `select` attribute defines a function which is called when a particular item is selected.

In addition to the JavaScript code above, you may need to edit the `defaults.js` file in the Guarana UI library. It contains the paths to the source and style directories:

```
window.NOKIA_PATH_BASE = '../../';
window.NOKIA_PATH_JAVASCRIPT = NOKIA_PATH_BASE + 'src/';
window.NOKIA_PATH_STYLE_ROOT = NOKIA_PATH_BASE + 'themes/nokia/base/';
```

Change the paths to reflect your system, if necessary. For example:

```
window.NOKIA_PATH_BASE = './';
window.NOKIA_PATH_JAVASCRIPT = NOKIA_PATH_BASE + 'lib/guarana/';
window.NOKIA_PATH_STYLE_ROOT = NOKIA_PATH_BASE + 'style/themes/nokia/base/';
```


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Note: The carousel component requires the following files from the library:

- lib/jquery/jquery.js
- lib/jquery/jquery.scrollTo.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/carousel.js (implicitly loaded by core.js)
- themes/nokia/base/base.css (implicitly loaded by core.js)
- themes/nokia/base/carousel.css (implicitly loaded by core.js)
- themes/nokia/base/images/arrow-left.png
- themes/nokia/base/images/arrow-right.png
- 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 carousel is added on the web page. When an item inside the carousel component is selected, the text **Clicked** is shown.

See also

- Carousel component in Nokia Developer Wiki

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 carousel.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 carousel.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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