Adding a Guarana UI button on a web page

Overview

This code snippet demonstrates how to add a button on a web page using Guarana UI components. The 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">
        <!-- A regular push button -->
        <span id="btnPush"></span>
        <!-- A toggle button -->
        <span id="btnToggle"></span>
    </div>
</body>
```

Source: JavaScript

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

// Initializes the widget
function init() {
    window.btnPush = new Nokia.Button({
        element: "#btnPush",
        label: "Push me!",
        click: function() { printString("Thank You!"); }
    });
}
```

To disable the button, call the `disable()` function:

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```
// Disable the push button
window.btnPush.disable();
```

To create a toggle button, use the `keeppressed` attribute:

```
// Initializes the widget
function init() {
    window.btnToggle = new Nokia.Button({
        element: "#btnToggle",
        keeppressed: true,
        label: "Pressed",
        pressed: true,
        width: 90,
        press: function() {
            this.setLabel("Pressed");
        },
        unpress: function() {
            this.setLabel("Unpressed");
        }
    });
}
```

The `press()` and `unpress()` functions above are called when the button is toggled and untoggled, respectively. The constant `width` attribute ensures that the width of the button does not change when its label is changed.

Note: The 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/button.js (implicitly loaded by core.js)
- themes/nokia/base/base.css (implicitly loaded by core.js)
- themes/nokia/base/button.css (implicitly loaded by core.js)
- 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)

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- 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 button is added on the web page. When it is clicked, a string is displayed on the screen.

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 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 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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