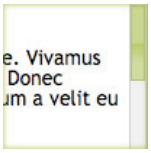
Adding a Guarana UI scroll on a web page

Overview

This code snippet demonstrates how to add a Guarana UI scroll component on a web page. The scroll 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="scroll">
            <p>
                Suspendisse non justo ac dui ultricies mollis sed semper
                magna. Donec gravida erat in ipsum scelerisque interdum.
                Nullam congue vehicula sagittis. Aliquam condimentum
                facilisis suscipit. Proin sagittis pulvinar tempor. Cras in
                mollis lectus. Class aptent taciti sociosqu ad litora
                torquent per conubia nostra, per inceptos himenaeos. Nulla
                facilisi. Aliquam convallis viverra erat eu posuere.
            </p>

            <p>
                Vivamus aliquam, dolor id condimentum adipiscing, lacus
                diam volutpat mauris, id pulvinar neque elit a arcu. Etiam
                volutpat aliquam elit eu dictum. Integer in nisl magna, eu
                lobortis tortor. Donec aliquet quam sit amet lectus aliquam
                faucibus ullamcorper tellus auctor. Donec accumsan dapibus
                rutrum. Fusce dolor arcu, sodales id ultricies imperdiet,
                aliquet auctor quam. Vestibulum vitae magna vitae dui
                pellentesque aliquam. Vivamus massa augue, vulputate ut
                auctor in, placerat eget orci.
            </p>

            <p>
                Aenean iaculis dui sem. Sed ornare aliquet lorem, eu varius
                libero feugiat quis. Nullam nec lectus erat, nec vestibulum
                elit. Nam gravida rhoncus adipiscing. Vestibulum justo
                nibh, aliquam et volutpat at, pellentesque sed magna.
                Mauris pharetra odio ante. Nunc dignissim placerat
                volutpat. Donec accumsan arcu id libero dapibus sodales.
                Donec fringilla, nibh nec mattis fringilla, purus quam
                ultricies lectus, a ultricies orci est nec lectus. Nunc
                vitae orci ante, eu imperdiet eros. Nunc dapibus sapien
                pharetra mi fringilla ornare.
            </p>

            <p>
                Duis fringilla ornare blandit. Morbi vitae nulla urna.
                Aenean vestibulum, magna quis vestibulum ultricies, mauris
                nunc elementum tortor, nec rhoncus sapien nisl sit amet
                velit. Quisque condimentum massa ac turpis auctor vitae
                facilisis leo malesuada. Sed vitae lacus id dui sodales
                tincidunt. Integer fermentum pellentesque augue vitae
                egestas. Nunc ipsum magna, consequat vitae semper quis,
                auctor eu massa. Donec magna nisi, aliquet sed feugiat
                pretium, tempor non orci. Nulla at nisl tempor dui
                faucibus viverra.
            </p>

            <p>
                Vestibulum ac lectus id erat volutpat fringilla in ut ante.
                Pellentesque tristique libero vitae dui posuere pretium
                cursus nibh mollis. Fusce aliquet, mi eget euismod
                facilisis, risus est pretium mauris, sed pulvinar urna nisi
                vel nisl. Nunc laoreet mauris sit amet velit vulputate id
                pharetra lacus laoreet. Etiam in eros elit, at tristique
                mi. Lorem ipsum dolor sit amet, consectetur adipiscing
                elit. Quisque lorem ligula, mollis vitae viverra eget,
                fermentum et augue. Donec pellentesque, ipsum eu auctor
                molestie, risus sem tincidunt nulla, vitae tincidunt purus
                nibh eu nisi. Sed magna dolor, malesuada vulputate pretium
                quis, ornare a nibh. Donec eleifend ligula nec purus
                posuere molestie. Sed sed risus nibh. Phasellus purus
                velit, viverra ut imperdiet id, consequat sed felis.
            </p>
        </div>
```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```
    </div>
</body>
```

Source: JavaScript

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

// Initializes the widget
function init() {
    var scroll = new Nokia.Scroll({
        element: "#scroll",
        scrollBar: true,
        showArrows: true,
        bottomImage: false,
        increase: 200,
        duration: 50
    });
}
```

The `scrollBar` and `showArrows` attributes define whether a scrollbar and scrolling arrows are displayed, respectively. If the `bottomImage` attribute is set to `true`, an image is displayed to indicate the bottom of the scroll component. If it is set to `false`, no bottom image is displayed. The `increase` attribute defines how many pixels the content scrolls in one scroll, and the `duration` attribute specifies how much time (in milliseconds) the scroll activity takes.

Note: The scroll 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/scroll.js` (implicitly loaded by `core.js`)
- `themes/nokia/base/base.css` (implicitly loaded by `core.js`)
- `themes/nokia/base/scroll.css` (implicitly loaded by `core.js`)
- `themes/nokia/base/images/scroll.png` (from `scroll.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 scroll is added on the web page.

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 scroll.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 scroll.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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