Adding a Guarana UI datepicker on a web page

Overview

This code snippet demonstrates how to add a datepicker on a web page using Guarana UI components. The datepicker 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="datepicker"></div>
    </div>
</body>
```

Source: JavaScript

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

// Initializes the widget
function init() {
    window.datepicker = new Nokia.DatePicker({
        element: "#datepicker"
    });
}
```

To get the selected date, use the `getDate()` method:

```
// Shows the selected date.
function executeSnippet() {
    displayNote("The selected date: " + window.datepicker.getDate());
}
```

Note: The datepicker 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/datepicker.js` (implicitly loaded by `core.js`)
- `themes/nokia/base/base.css` (implicitly loaded by `core.js`)
- `themes/nokia/base/datepicker.css` (implicitly loaded by `core.js`)
- `themes/nokia/base/images/calendar.png` (from `datepicker.css`)
- `themes/nokia/base/images/shadow.png` (from `base.css`)
- `themes/nokia/base/images/shadow-c.png` (from `base.css`)

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- `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 datepicker is added on the web page. When **Options** > **Execute snippet** is selected, the selected date 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 datepicker.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 datepicker.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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