

# 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)
- 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\_e3fb5\_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](#).