Nokia Asha web apps - Creating On/Off Switch

This article demonstrate how to create a On/Off switch using **mwl** methods.

Introduction

In the following code example we have used **mwl** methods `toggleClass()` along with `setGroupNext()` and `switchClass()`. The `toggleClass()` method toggles a specified class attribute of an element. This is a synchronous method.

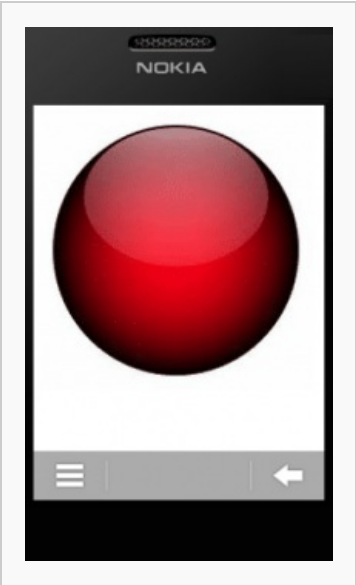
General Syntax

```
<static> mwl.toggleClass(targetNode,className)
```

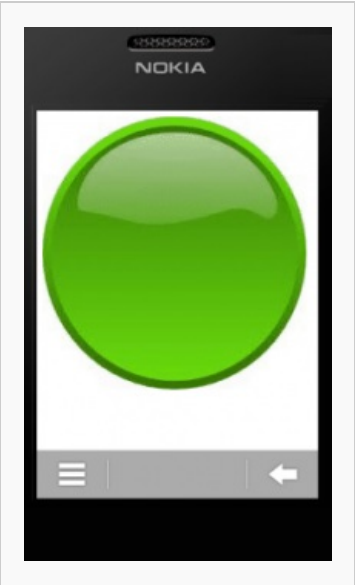
Where `targetNode` is the element whose class to toggle. `className` is the name of the class to toggle

Basic Idea

We will create a graphical *switch* containing two images Red (OFF) and Green (ON) . Initially the switch will be OFF (Red image will be visible) . Once user click on the Red image the Green image will be activated. Clicking on any of the image will make the other image active, this shows whether the switch is in ON or OFF state.



Switch is off



Switch is on

Implementation

Lets create a basic web app project (**File->New-> Series 40 web app (wgt) -> basic web app project**)

basic.css

```
body {padding:5px;}
.container {width:235px; height:295px; overflow:hidden;}
.sw_off {margin-left:0px;}
.sw_on {margin-left:0px;}

.hide {width:235px; height:295px; display:none;}
.show {width:235px; height:295px; display:block;}
```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{{Icode|container]] describes the area of the main container. For each image we have created two *div* `sw_off` and `sw_on`, which defines the position of the *div* in main container while displaying. `hide` and `show` are the areas of the *div* to be displayed and hidden.

index.html

```
<body >
<div id="sw_bg" class="container">
       <div class="sw_off" id="slide">
         <div class="show" id="is_off" onclick=" mwl.toggleClass('#sw_bg','cont_on');
         mwl.switchClass('#slide', 'sw_off', 'sw_on');
         mwl.setGroupNext('#slide', 'show', 'hide', 'next');">
        <img src="redbutton.jpeg" >
        </div>
         <div class="hide" id="is_on"  onclick=" mwl.toggleClass('#sw_bg', 'cont_on');
         mwl.switchClass('#slide', 'sw_on', 'sw_off');
         mwl.setGroupNext('#slide', 'show', 'hide', 'next');">
         <img src="greenbutton.jpeg" >
         </div>
       </div>
</div>
</body>
```

Initially `sw_off` class is displayed and thus we will see the Red image . When we click on the red image `switchClass()` method changes the class from `sw_off` to `sw_on` and thus the Green image will be visible this time. `toggleClass()` method toggles the class `cont_on`. `setGroupNext()` method iterate to the next element. It replaces the target class *show* with the default class *hide* on the current node and applies the target class *show* to the next sibling node.

Source Code

The full source code presented in this article is available here File:SwitchS40WebApps.zip

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