

# XXX

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## Introduction

JSCarousel is a JavaScript library to create a carousel of pictures on a web-page.

You can have a look at JSCarousel here: <http://www.bayashiinjapan.net/Carousel01/>

JSCarousel has one external dependancy: JQuery which can be found here: <https://jquery.com/download/>

# 1 jscaroussel.js

# 2 jscaroussel.css

## 3 Usage

### 3.1 index.php

```
<?php
// ----- index.php ----->
// Start the PHP session
session_start();

// Ensure no message will interfere with output
ini_set('display_errors', 'Off');
error_reporting(0);

// Turn on display of errors and warning for debug
ini_set('display_errors', 'On');
error_reporting(E_ALL ^ E_WARNING);
error_reporting(E_ALL | E_STRICT);

?>
<!DOCTYPE html>
<html>
  <head>

    <!-- Meta -->
    <meta content="text/html; charset=UTF-8;">
    <meta name="viewport"
      content="width=device-width, initial-scale=1, maximum-scale=1">
    <meta name="description" content="JSCarousel" />
    <meta name="keywords" content="JSCarousel" />

    <!-- Icon -->
    <link rel="icon" type="image/x-icon"
      href="/Img/jscaroussel.ico" />

    <!-- Include the CSS files -->
    <link href = "./index.css" rel = "stylesheet" type = "text/css">
    <link href = "./jscaroussel.css" rel = "stylesheet" type = "text/css">

    <!-- Include the JS files -->
    <script charset = "UTF-8" src = "./jquery.min.js"></script>
    <script charset = "UTF-8" src = "./jscaroussel.js"></script>
    <script charset = "UTF-8" src = "./index.js"></script>
    <title>JSCarousel</title>
  </head>
  <body onload = 'BodyOnLoad();'>
    <!-- Main div -->
    <div id = "divMain">

      <!-- Title div -->
      <div id = "divTitle">
        JSCarousel<br>
        <div id = "divSubTitle">
```

```

        </div>
    </div>

    <!-- Main div -->
    <div id = "divJSCarousel">

    </div>

    <!-- Button div -->
    <div id = "divCmd">
        <input type = "button" onClick = "Prev();" value = "Prev">
        <input type = "button" onClick = "Play();" value = "Play">
        <input type = "button" onClick = "Next();" value = "Next">
        <input type = "button" onClick = "Perspective();"
            value = "Perspective">
        <input type = "button" onClick = "Cylinder();"
            value = "Cylinder">
        <input type = "button" onClick = "Solid();"
            value = "Solid">
        <input type = "button" onClick = "Darken();"
            value = "Darken">
        <input type = "button" onClick = "Opacity();"
            value = "Opacity">
    </div>

    <!-- footer div -->
    <div id = "divFooter">
        Copyright <a href="mailto:Pascal@BayashiInJapan.net">
            P. Baillehache
        </a>, 2017.<br>
    </div>

    </div>

    <script type="text/javascript">

    </script>

    </body>

</html>

```

## 3.2 index.js

```

/* ===== index.js ===== */

// ----- Global variables
var theJSCarousel = {};
var playing = 0;

// ----- OnLoad function

function BodyOnLoad() {
    try {
        // Create the image url array
        var folderImg = "./Img/";
        var nbImg = 10;
        var urls = new Array();
        for (var iImg = 0; iImg < nbImg; iImg += 1) {
            var id = ("00" + iImg).slice(-3);

```

```

        urls[iImg] = folderImg + "/" + id + ".jpg";
    }
    // Create the JSCarousel entity
    var idParent = "divJSCarousel";
    var idJSCarousel = "divMyJSCarousel";
    var width = 800;
    var height = 512;
    var range = 2;
    var initImg = 0;
    var speed = 1;
    theJSCarousel = new JSCarousel(idJSCarousel, idParent, urls, nbImg,
        width, height, range, initImg, speed);
    // Set the tick function
    tickInterval = 2000; // millisecond
    window.setInterval(function(){
        Tick();
    }, tickInterval);
} catch (err) {
    console.log("BodyOnLoad " + err.stack);
}
}

// ----- Function to move to the previous image

function Prev() {
    try {
        theJSCarousel.SetTarget(theJSCarousel._tgtImg - 1);
    } catch (err) {
        console.log("Prev " + err.stack);
    }
}

// ----- Function to move to the next image

function Next() {
    try {
        theJSCarousel.SetTarget(theJSCarousel._tgtImg + 1);
    } catch (err) {
        console.log("Next " + err.stack);
    }
}

// ----- Function to change to perspective mode

function Perspective() {
    try {
        theJSCarousel.SetPerspectiveMode();
    } catch (err) {
        console.log("Perspective " + err.stack);
    }
}

// ----- Function to change to cylinder mode

function Cylinder() {
    try {
        theJSCarousel.SetCylinderMode();
    } catch (err) {
        console.log("Cylinder " + err.stack);
    }
}
}

```

```

// ----- Function to change to solid mode

function Solid() {
    try {
        theJSCarousel.SetSolidEffect();
    } catch (err) {
        console.log("Solid " + err.stack);
    }
}

// ----- Function to change to darken mode

function Darken() {
    try {
        theJSCarousel.SetDarkenEffect();
    } catch (err) {
        console.log("Darken " + err.stack);
    }
}

// ----- Function to change to opacity mode

function Opacity() {
    try {
        theJSCarousel.SetOpacityEffect();
    } catch (err) {
        console.log("Opacity " + err.stack);
    }
}

// ----- Function to play automatically

function Play() {
    try {
        if (playing == 0) {
            playing = 1;
        } else {
            playing = 0;
        }
    } catch (err) {
        console.log("Play " + err.stack);
    }
}

function Tick() {
    try {
        if (playing == 1) {
            // If we haven't passed all the images
            // (go up to nbImg + range to slide til the last image disappears)
            if (theJSCarousel._tgtImg <
                theJSCarousel._nbImg + theJSCarousel._range - 1) {
                // Move to next image
                Next();
            } // Else, we have passed all the images
        } else {
            // Restart from beginning
            // (start at -range to put have the first image appearing from
            // null at next step)
            theJSCarousel._curImg = -1 * theJSCarousel._range;
            theJSCarousel._tgtImg = theJSCarousel._curImg + 1;
        }
    }
    } catch (err) {

```

```
        console.log("Tick " + err.stack);
    }
}
```

### 3.3 index.css

```
/* ===== index.css ===== */

body {
    background-color: #000000;
    color: #eeeeee;
}

#divMain {
    text-align: center;
    overflow: hidden;
}

#divTitle {
    text-align: center;
    font-size: 25px;
    margin: 10px;
}

#divSubTitle {
    text-align: center;
    font-size: 18px;
}

#divFooter {
    text-align: center;
    font-size: 15px;
    margin: auto;
    margin-top: 20px;
}

#divFooter a {
    color: #ff0000;
}

#divJSCarousel {
    background-color: #aaaaaa;
    margin: auto;
    width: 900px;
    height: 522px;
    padding: 5px;
}
```

### 3.4 Example

