XXX

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Contents

Introduction

JSCarousel is a JavaScript library to create a carousel of pictures on a webpage.

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
<?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/jscarousel.ico" />

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

    <!-- Include the JS files -->
    <script charset = "UTF-8" src = "./jquery.min.js"></script>
    <script charset = "UTF-8" src = "./jscarousel.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.Prev();
  } catch (err) {
    console.log("Prev " + err.stack);
  }
}


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

function Next() {
  try {
    theJSCarousel.Next();
  } 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) {
      // Move to next image
      Next();
    }
  } catch (err) {
    console.log("Tick " + err.stack);
  }
}
```

3.3   index.css

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

body {
  background-color: #000000;
```

```css
  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