**Hauptstadt – Land – Quiz**

**HLQ.html**

<!doctype html>

**<html** **lang**=**"de">**

**<head>**

**<title>**Drag&Drop - Hauptstadt-Land - Quiz**</title>**

**<style>**

body

{

width : 100%;

margin : 0px;

padding : 0px;

font-family : Trebuchet MS, Lucida Sans Unicode, Arial, sans-serif;

background-color: #E2EBED;

}

#heading

{

height: 161px;

}

#dragContainer

{

width : 550px;

margin : 0 auto;

border : 1px solid #000;

height : 710px;

margin-top : 20px;

padding : 3px;

-moz-user-select: no;

overflow : hidden;

background-color: #FFF;

}

h1

{

margin: 5px;

}

#fragenDiv **// Abschnitt für alle Fragen**

{

float : left;

height : 100%;

width : 300px;

padding : 2px;

visibility: hidden;

}

#antwortDiv **// Abschnitt für alle Antworten**

{

float : right;

height : 400px;

width : 150px;

border : 1px solid #FFF;

padding : 2px;

visibility: hidden;

}

#fragenDiv div,

#antwortDiv div,

#dragInhalt div

{

width : 145px;

height : 20px;

line-height : 20px;

float : left;

margin-right : 2px;

margin-bottom: 2px;

text-align : center;

}

#dragInhalt div

{

border: 1px solid #000;

}

#antwortDiv .**dragDropKleineBox**

{

border: 1px solid #000;

cursor: pointer;

}

#fragenDiv .**dragDropKleineBox**

{

border : 1px solid #000;

cursor : pointer;

background-color: #E2EBED;

}

#fragenDiv div div

{

margin : 0px;

border : 0px;

padding : 0px;

background-color: #FFF;

cursor : pointer;

}

#fragenDiv .**zielBox**

{

border : 0px;

background-color: #DDD;

width : 147px;

height : 22px;

}

#fragenDiv .korrekteAntwort **// korrekte Antwort**

{

background-color: green;

color : #fff;

border : 1px solid #000;

}

#fragenDiv .falscheAntwort **// falsche Antwort**

{

background-color: red;

color : #fff;

border : 1px solid #000;

}

#dragInhalt div

{

background-color: #FFF;

}

#fragenDiv .dragInhaltOver

{

border: 1px solid #F00;

}

#antwortDiv.dragInhaltOver

{

border: 1px solid #F00;

}

#dragInhalt

{

position: absolute;

display : none;

}

p

{

margin : 2px;

font-size: 0.9em;

}

**</style>**

**<script>**

var mischeFragen = true; **// Fragen mischen**

var mischeAntworten = true; **// Antworten mischen**

var sperreAntwort = false; **// blockiere gegebene Antwort**

**function geloestesQuiz()**

{

document.write("Herzlichen Glückwunsch!");

}

var dragInhaltDiv = false;

var dragInhalt = false;

var dragQuelle = false;

var dragDropTimer = **-1**;

var zielObjArray = new Array();

var ziel = false;

var dragQuelleParent = false;

var dragQuelleNextSibling = false;

var antwortDiv;

var fragenDiv;

var quellObjektArray = new Array();

var arrayleereBoxen = new Array();

var arrayAntworten = new Array();

**function getTopPos(inputObj)**

{

if (!inputObj || !inputObj.offsetTop)

return(**0**);

var returnWert = inputObj.offsetTop;

while ((inputObj = inputObj.offsetParent) != null)

returnWert += inputObj.offsetTop;

return(returnWert);

}

**function getLeftPos(inputObj)**

{

if (!inputObj || !inputObj.offsetLeft)

return(**0**);

var returnWert = inputObj.offsetLeft;

while ((inputObj = inputObj.offsetParent) != null)

returnWert += inputObj.offsetLeft;

return(returnWert);

}

**function cancelEvent()**

{

return(false);

}

**function initDragDrop(e)**

{

if (document.all)

e = event;

if (sperreAntwort && this.parentNode.parentNode.**id** == 'fragenDiv')

return;

dragInhaltDiv.style.left = e.clientX +

Math.max(document.documentElement.scrollLeft,document.body.scrollLeft) + 'px';

dragInhaltDiv.style.top = e.clientY +

Math.max(document.documentElement.scrollTop,document.body.scrollTop) + 'px';

dragQuelle = this;

dragQuelleParent = this.parentNode;

dragQuelleNextSibling = false;

if (this.nextSibling)

dragQuelleNextSibling = this.nextSibling;

if (!dragQuelleNextSibling.tagName)

dragQuelleNextSibling = dragQuelleNextSibling.nextSibling;

dragDropTimer = **0**;

timeoutBeforeDrag();

return(false);

}

**function timeoutBeforeDrag()**

{

if (dragDropTimer >= **0** && dragDropTimer < **10**)

{

dragDropTimer = dragDropTimer + **1**;

setTimeout('timeoutBeforeDrag()',**10**);

return;

}

if (dragDropTimer >= **10**)

{

dragInhaltDiv.style.display = 'block';

dragInhaltDiv.innerHTML = '';

dragInhaltDiv.appendChild(dragQuelle);

}

}

**function dragDropMove(e)**

{

if (dragDropTimer < **10**)

return;

if (document.all)

e = event;

var scrollTop = Math.max(document.documentElement.scrollTop,document.body.scrollTop);

var scrollLeft = Math.max(document.documentElement.scrollLeft,document.body.scrollLeft);

dragInhaltDiv.style.left = e.clientX + scrollLeft + 'px';

dragInhaltDiv.style.top = e.clientY + scrollTop + 'px';

var dragWidth = dragQuelle.offsetWidth;

var dragHeight = dragQuelle.offsetHeight;

var objFound = false;

var mouseX = e.clientX + scrollLeft;

var mouseY = e.clientY + scrollTop;

ziel = false;

for (var no=0;no < zielObjArray.length;no++)

{

var left = zielObjArray[no]['left'];

var top = zielObjArray[no]['top'];

var width = zielObjArray[no]['width'];

var height = zielObjArray[no]['height'];

zielObjArray[no]['obj'].**class**Name = '**zielBox**';

var subs = zielObjArray[no]['obj'].getElementsByTagName('DIV');

if (!objFound && subs.length == 0)

{

if (mouseX < (left/**1** + width/**1**) && (mouseX + dragWidth/**1**) > left &&

mouseY < (top/**1** + height/**1**) && (mouseY + dragHeight/**1**) > top)

{

zielObjArray[no]['obj'].**class**Name = 'dragInhaltOver';

ziel = zielObjArray[no]['obj'];

objFound = true;

}

}

}

quellObjektArray['obj'].**class**Name = '';

if (!objFound)

{

var left = quellObjektArray['left'];

var top = quellObjektArray['top'];

var width = quellObjektArray['width'];

var height = quellObjektArray['height'];

if (mouseX < (left/**1** + width/**1**) && (mouseX + dragWidth/**1**) > left &&

mouseY < (top/**1** + height/**1**) && (mouseY + dragHeight/**1**) > top)

{

ziel = quellObjektArray['obj'];

quellObjektArray['obj'].**class**Name = 'dragInhaltOver';

}

}

return(false);

}

**function dragDropEnd()**

{

if (dragDropTimer < **10**)

{

dragDropTimer = **-1**;

return;

}

dragInhaltDiv.style.display = 'none';

quellObjektArray['obj'].style.backgroundColor = '#FFF';

if (ziel)

{

ziel.appendChild(dragQuelle);

ziel.**class**Name = '**zielBox**';

**// prüfen, ob Position korrekt, korrekte Antwort auf Frage**

if (!ziel.**id** || ziel.**id** != 'antwortDiv')

{

var previousEl = dragQuelle.parentNode.previousSibling;

if (!previousEl.tagName)

previousEl = previousEl.previousSibling;

var numericId = previousEl.**id**.replace(**/[^0-9]/g**,'');

var numericIdSource = dragQuelle.**id**.replace(**/[^0-9]/g**,'');

if (numericId == numericIdSource)

{

dragQuelle.**class**Name = 'korrekteAntwort';

checkAllAnswers();

}

else

dragQuelle.**class**Name = 'falscheAntwort';

}

if (ziel.**id** && ziel.**id** == 'antwortDiv')

dragQuelle.**class**Name = '**dragDropKleineBox**';

}

else

{

if (dragQuelleNextSibling)

dragQuelleNextSibling.parentNode.insertBefore(dragQuelle,dragQuelleNextSibling);

else

dragQuelleParent.appendChild(dragQuelle);

}

dragDropTimer = **-1**;

dragQuelleNextSibling = false;

dragQuelleParent = false;

ziel = false;

}

**function checkAllAnswers()**

{

for (var no=**0**;no < arrayleereBoxen.length;no++)

{

var sub = arrayleereBoxen[no].getElementsByTagName('DIV');

if (sub.length == **0**)

return;

if (sub[**0**].**class**Name != 'korrekteAntwort')

return;

}

geloestesQuiz();

}

**function resetPositions()**

{

if (dragDropTimer >= **10**)

return;

for (var no=**0**;no < zielObjArray.length;no++)

{

if (zielObjArray[no]['obj'])

{

zielObjArray[no]['left'] = getLeftPos(zielObjArray[no]['obj'])

zielObjArray[no]['top'] = getTopPos(zielObjArray[no]['obj'])

}

}

quellObjektArray['left'] = getLeftPos(antwortDiv);

quellObjektArray['top'] = getTopPos(antwortDiv);

}

**function initDragDropScript()**

{

dragInhaltDiv = document.getElementById('dragInhalt');

antwortDiv = document.getElementById('antwortDiv');

antwortDiv.onselectstart = cancelEvent;

var divs = antwortDiv.getElementsByTagName('DIV');

var answers = new Array();

for (var no=**0**;no < divs.length;no++)

if (divs[no].**class**Name == '**dragDropKleineBox**')

{

divs[no].onmousedown = initDragDrop;

answers[answers.length] = divs[no];

arrayAntworten[arrayAntworten.length] = divs[no];

}

if (mischeAntworten)

for (var no=**0**;no < (answers.length \* **10**);no++)

{

var randomIndex = Math.floor(Math.random() \* answers.length);

antwortDiv.appendChild(answers[randomIndex]);

}

quellObjektArray['obj'] = antwortDiv;

quellObjektArray['left'] = getLeftPos(antwortDiv);

quellObjektArray['top'] = getTopPos(antwortDiv);

quellObjektArray['width'] = antwortDiv.offsetWidth;

quellObjektArray['height'] = antwortDiv.offsetHeight;

fragenDiv = document.getElementById('fragenDiv');

fragenDiv.onselectstart = cancelEvent;

var divs = fragenDiv.getElementsByTagName('DIV');

var questions = new Array();

var questionsOpenBoxes = new Array();

for (var no=**0**;no < divs.length;no++)

{

if (divs[no].**class**Name == '**zielBox**')

{

var index = zielObjArray.length;

zielObjArray[index] = new Array();

zielObjArray[index]['obj'] = divs[no];

zielObjArray[index]['left'] = getLeftPos(divs[no])

zielObjArray[index]['top'] = getTopPos(divs[no])

zielObjArray[index]['width'] = divs[no].offsetWidth;

zielObjArray[index]['height'] = divs[no].offsetHeight;

questionsOpenBoxes[questionsOpenBoxes.length] = divs[no];

arrayleereBoxen[arrayleereBoxen.length] = divs[no];

}

if (divs[no].**class**Name == '**dragDropKleineBox**')

questions[questions.length] = divs[no];

}

if (mischeFragen)

for (var no=**0**;no < (questions.length \* **10**);no++)

{

var randomIndex = Math.floor(Math.random() \* questions.length);

fragenDiv.appendChild(questions[randomIndex]);

fragenDiv.appendChild(questionsOpenBoxes[randomIndex]);

zielObjArray[zielObjArray.length] = zielObjArray[randomIndex];

zielObjArray.splice(randomIndex,**1**);

questionsOpenBoxes[questionsOpenBoxes.length] = questionsOpenBoxes[randomIndex];

questionsOpenBoxes.splice(randomIndex,**1**);

questions[questions.length] = questions[randomIndex];

questions.splice(randomIndex,**1**);

}

fragenDiv.style.visibility = 'visible';

antwortDiv.style.visibility = 'visible';

document.documentElement.onmouseup = dragDropEnd;

document.documentElement.onmousemove = dragDropMove;

setTimeout('resetPositions()',**150**);

window.onresize = resetPositions;

}

**function dragDropResetForm() // alles zurücksetzen**

{

for (var no=**0**;no < arrayAntworten.length;no++)

{

arrayAntworten[no].**class**Name = '**dragDropKleineBox**'

antwortDiv.appendChild(arrayAntworten[no]);

}

}

window.onload = initDragDropScript;

**</script>**

**</head>**

**<body>**

**<div** **id** = "**dragContainer**">

**<div** **id** = "**heading**">

**<div** **style** = "**width:468px; height:2px; padding-bottom:5px**"**></div>**

**<div**>**<center><img** **src** = "**FWM-Logo.jpg**"**></center></div>**

**</div>**

**<div** **id** ="**description**"**><h1><center>**Ziehe die Hauptstädte in die Länder**</center></h1></div>**

**<div** **id** ="**fragenDiv**">

**<div** **class** = "**dragDropKleineBox**" **id** = "**q01**"**>**Norwegen**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q02**"**>**Schweden**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q03**"**>**Dänemark**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q04**"**>**Vereinigte Staaten**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q05**"**>**Frankreich**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q06**"**>**Spanien**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q07**"**>**Griechenland**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q08**"**>**England**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q09**"**>**Österreich**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q10**"**>**Italien**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q11**"**>**Chile**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q12**"**>**Indien**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q13**"**>**Kenia**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q14**"**>**Malaysia**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q15**"**>**Vietnam**</div>**

**<div** **class** = "**zielBox**">**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**q16**"**>**Deutschland**</div>**

**<div** **class** = "**zielBox**">**</div>**

**</div>**

**<div** **id** = "**antwortDiv**"**>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a01**"**>**Oslo **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a02**"**>**Stockholm **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a03**"**>**Kopenhagen **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a04**"**>**Washington D.C. **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a05**"**>**Paris **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a06**"**>**Madrid **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a07**"**>**Athen **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a08**"**>**London **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a09**"**>**Wien **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a10**"**>**Rom **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a11**"**>**Santiago de Chile**</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a12**"**>**Neu Dehli **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a13**"**>**Nairobi **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a14**"**>**Kuala Lumpur **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a15**"**>**Hanoi **</div>**

**<div** **class** = "**dragDropKleineBox**" **id** = "**a16**"**>**Berlin **</div>**

**</div>**

**</div>**

**<div** **id** = "**dragInhalt**"**></div>**

**<center><br><input** **type** = "**button**" **onclick** = "**dragDropResetForm(); return false**"

**value** = "**zurücksetzen**"**></center>**

**</body>**

**</html>**

