**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>**

