

Hauptstadt – Land – Quiz

HLQ_getrennt.html

```
<!DOCTYPE HTML>
<html lang = "de">
  <head>
    <title>Drag&Drop - Hauptstadt-Land - Quiz</title>
    <link rel = "stylesheet" href = "HLQ.css">
    <script src = "HLQ.js"></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>
```

HLQ.css

```
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;
}

/* Abschnitt für alle Fragen */
#fragenDiv
{
  float      : left;
  height     : 100%;
  width      : 300px;
  padding    : 2px;
  visibility: hidden;
}

/* Abschnitt für alle Antworten */
#antwortDiv
{
  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
{
  margin      : 0px;
  border      : 0px;
  padding     : 0px;
  background-color: #FFF;
  cursor      : pointer;
}

#fragenDiv .zielBox
{
  border      : 0px;
  background-color: #DDD;
  width       : 147px;
  height      : 22px;
}

/* korrekte Antwort */
#fragenDiv .korrekteAntwort
{
  background-color: green;
  color           : #fff;
  border         : 1px solid #000;
}

/* falsche Antwort */
#fragenDiv .falscheAntwort
{
  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;
}
```

HLQ.js

```
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)
        return(Wert += inputObj.offsetTop);
    return(returnWert);
}

function getLeftPos(inputObj)
{
    if (!inputObj || !inputObj.offsetLeft)
        return(0);
    var returnWert = inputObj.offsetLeft;
    while ((inputObj = inputObj.offsetParent) != null)
        return(Wert += 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'].className = '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'].className = 'dragInhaltOver';
          ziel = zielObjArray[no]['obj'];
          objFound = true;
        }
      }
    }
  }
  quellObjektArray['obj'].className = '';
  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'].className = '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.className='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.className = 'korrekteAntwort';
        checkAllAnswers();
      }
      else
        dragQuelle.className = 'falscheAntwort';
    }
    if (ziel.id && ziel.id == 'antwortDiv')
    {
      dragQuelle.className = '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].className != '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].className == '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].className == '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].className == '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;
}

// alles zurücksetzen
function dragDropResetForm()
{
  for (var no=0;no < arrayAntworten.length;no++)
  {
    arrayAntworten[no].className = 'dragDropKleineBox'
    antwortDiv.appendChild(arrayAntworten[no]);
  }
}

window.onload = initDragDropScript;

```



Ziehe die Hauptstädte in die Länder

Kenia		Kuala Lumpur
Malaysia		Kopenhagen
England	London	Hanoi
Österreich		Stockholm
Schweden		Santiago de Chile
Indien	Rom	Nairobi
Chile		Oslo
Griechenland		Berlin
Frankreich	Paris	Wien
Spanien		Neu Dehli
Dänmark		Athen
Italien		Madrid
Vereinigte Staaten	Washington D.C.	
Vietnam		
Norwegen		
Deutschland		

zurücksetzen