

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;
      }
    </style>
  </head>
  <body>
  </body>
</html>
```

```

#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'].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;
}

```

```

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

```



Ziehe die Hauptstädte in die Länder

Kenia	
Malaysia	
England	London
Österreich	
Schweden	
Indien	Rom
Chile	
Griechenland	
Frankreich	Paris
Spanien	
Dänmark	
Italien	
Vereinigte Staaten	Washington D.C.
Vietnam	
Norwegen	
Deutschland	

Kuala Lumpur
Kopenhagen
Hanoi
Stockholm
Santiago de Chile
Nairobi
Oslo
Berlin
Wien
Neu Dehli
Athen
Madrid

zurücksetzen