

JavaScript Treeview

Beispiel: ohne großes Framework

☒ Programmiersprachen

HTML:

treeview.htm (/code/treeview.htm?mode=download) HTML (828 bytes) 04.09.2020 00:16

```
<!DOCTYPE html >
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="stylesheet" type="text/css" href="treeview.css" />
  </head>
  <body>
    <ul class="tree">
      <li>Programmiersprachen
        <ul>
          <li>Maschinensprachen
            <ul>
              <li>Assembler</li>
            </ul>
          </li>
          <li>Hochsprachen
            <ul>
              <li>C</li>
              <li>Java</li>
              <li>Pascal</li>
            </ul>
          </li>
          <li>Scriptsprachen
            <ul>
              <li>PHP</li>
              <li>Javascript</li>
              <li>Perl</li>
              <li>VB-Script</li>
            </ul>
          </li>
        </ul>
      </li>
    </ul>
    <script src="treeview.js"></script>
  </body>
</html>
```

JavaScript:

treeview.js (/code/treeview.js?mode=download) JavaScript (1,78 kByte) 04.09.2020 00:22

```
// coding: utf-8
/** Created by: Udo Schmal | https://www.gocher.me/ */
(function () {
  'use strict';
  function Tree(tree){
    function toggle(event) {
      var el = this;
      if (el.className == 'nextPlus') {
        el.className = 'nextMinus';
      } else if (el.className == 'nextMinus') {
        el.className = 'nextPlus';
      } else if (el.className == 'lastPlus') {
        el.className = 'lastMinus';
      } else if (el.className == 'lastMinus') {
```

```

    el.className = 'lastPlus';
};
var branch = el.parentNode.getElementsByTagName('ul')[0];
branch.className = (branch.className == '') ? 'visible' : '';
event.stopPropagation();
}
function init(tree, ebenen) {
    if (!ebenen) {
        ebenen = [];
    };
    var liNodes = tree.children;
    for (var i=0, len=liNodes.length; i < len; i++) {
        var el = document.createElement("span");
        if (liNodes[i].getElementsByTagName('ul').length > 0) {
            el.className = (i==liNodes.length-1) ? "lastPlus" : "nextPlus";
            el.addEventListener('click', toggle);
            ebenen.push((i==liNodes.length-1) ? 'blank' : 'cont');
            init(liNodes[i].getElementsByTagName('ul')[0], ebenen);
            ebenen.pop();
        } else {
            el.className = (i==liNodes.length-1) ? "last" : "next";
        };
        liNodes[i].insertBefore(el, liNodes[i].firstChild);
        for (var a=ebenen.length-1; a>=0; a--) {
            var el = document.createElement("span");
            el.className = ebenen[a];
            liNodes[i].insertBefore(el, liNodes[i].firstChild);
        }
    }
}
init(tree);
}

var treeList = document.querySelectorAll("ul.tree");
for (var i=0; i<treeList.length; i++) {
    new Tree(treeList[i]);
}
})();

```

Stylesheet:

[treeview.css \(/code/treeview.css?mode=download\)](#) StyleSheet (1,08 kByte) 04.09.2020 00:08

```

ul.tree, ul.tree ul {
    font-family: Arial,sans-serif;
    list-style: none;
    list-style-type: none;
    margin: 0;
    padding: 0;
}
ul.tree li {
    padding: 0;
    margin: 0;
}
ul.tree ul {
    display: none;
}
ul.tree ul.visible {
    display: block;
}
ul.tree .focus {
    background-color: navy;
    color: #fff;
}
ul.tree .nextPlus, ul.tree .lastPlus, ul.tree .nextMinus, ul.tree .lastMinus,
ul.tree .cont, ul.tree .next, ul.tree .blank, ul.tree .last {
    float: left;
    display: block;
    width: 18px;
    height: 18px;
    background: transparent url(/styles/images/branch.png) no-repeat 0 0;
    margin: 0 2px 0 0;
    padding: 0;
}

```

```
ul.tree .blank {
  background-position: 0 0;
}
ul.tree .cont {
  background-position: -18px 0;
}
ul.tree .next {
  background-position: -36px 0;
}
ul.tree .last {
  background-position: -54px 0;
}
ul.tree .nextPlus {
  background-position: -72px 0;
  cursor: pointer;
}
ul.tree .lastPlus {
  background-position: -90px 0;
  cursor: pointer;
}
ul.tree .nextMinus {
  background-position: -108px 0;
  cursor: pointer;
}
ul.tree .lastMinus {
  background-position: -126px 0;
  cursor: pointer;
}
```

AUTOR: UDO SCHMAL, VERÖFFENTLICHT: 25.04.2012, LETZTE ÄNDERUNG: 03.02.2016

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