The lstmh package

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1 Introduction

This package contains my language definitions of `HTML5`, `JavaScript`, and `Cascading Style Sheets` for the package `listings`

2 Install

```
latex listmh.ins
bash install.sh
```

This also will install (in `latex/mh`) or update `lstlang0.sty` and `lstconf.cfg` to link `lstmh.sty` and `lstmhlang.sty` to `listings`.

3 Usage

\lstinputlisting[language=<**lng**>]index.html
Where <**lng**> can be

`JavaScript`,`JS`:	Java Script
`CSS`,	Cascading Style Sheets
`HTML5`:	HTML5
`WEB`:	HTML5, JS and CSS.

\lstinputlisting[language=WEB]{index.html}

```
1    <!DOCTYPE html>
2    <!-- Comment -->
3    <html>
4      <head>
5        <title>Canvas</title>
6        <meta charset="UTF-8" />
7        <style>
8          #square {
9            border: 1px solid black;
```

1

```
10                         transform: scale(10) rotate(3deg)
                               translateX(0px);
11                         -moz-transform: scale(10) rotate(3deg)
                               translateX(0px);
12             }
13
14             .box {
15                 transition-duration: 2s;
16                 transition-property: transform;
17                 transition-timing-function: linear;
18             }
19         </style>
20       </head>
21       <body>
22         <canvas id="square" width="200" height="200"></canvas>
23         <script>
24                 var canvas = document.createElement('canvas');
25                 canvas.width = 200;
26                 canvas.height = 200;
27
28                 var image = new Image();
29                 image.src = 'images/card.png';
30                 image.width = 114;
31                 image.height = 158;
32                 image.onload = window.setInterval(function() {
33                     rotation();
34                 }, 1000/60);
35         </script>
36       </body>
37     </html>
```

4   Implementation

4.1   lstmh.sty

```
1 \RequirePackage{xcolor}
2 \definecolor{MHCommentColor}{rgb}{0.3, 0.3, 0.3}
3 \definecolor{MHStringColor}{rgb}{1, 0.3, 0}
```

\lstJavascriptA

```
4 \def\lstJavascriptA{\color[hsb]{0.28, 1.0, 1.0}\bfseries}
```

\lstJavascriptB

```
5 \def\lstJavascriptB{\color[hsb]{0.28, 0.8, 0.8}\bfseries}
```

\lstJavascriptC

```
6 \def\lstJavascriptC{\color[hsb]{0.28, 0.8, 0.6}\bfseries}
```

`\lstJavascriptD`

```
7 \def\lstJavascriptD{\color[hsb]{0.28, 0.8, 0.4}\bfseries}
```

`\lstJavascriptE`

```
8 \def\lstJavascriptE{\color[hsb]{0.28, 0.8, 0.2}\bfseries}
```

`\lstJavascriptX`

```
9 \def\lstJavascriptX{\color{MHStringColor}\bfseries}
```

`\lstJavascriptY`

```
10 \def\lstJavascriptY{\color{MHCommentColor}\ttfamily}
```

`\lstCSSA`

```
11 \def\lstCSSA{\color[hsb]{0.75, 1.0, 1.0}\bfseries}
```

`\lstCSSB`

```
12 \def\lstCSSB{\color[hsb]{0.75, 0.8, 0.8}\bfseries}
```

`\lstCSSC`

```
13 \def\lstCSSC{\color[hsb]{0.75, 0.8, 0.6}\bfseries}
```

`\lstCSSD`

```
14 \def\lstCSSD{\color[hsb]{0.75, 0.8, 0.4}\bfseries}
```

`\lstCSSE`

```
15 \def\lstCSSE{\color[hsb]{0.75, 0.8, 0.4}\bfseries}
```

`\lstCSSN`

```
16 \def\lstCSSN{\color{hsb}{0.75, 0.8, 0.4}}
```

`\lstCSSX`

```
17 \def\lstCSSX{\color{MHStringColor}}
```

`\lstCSSY`

```
18 \def\lstCSSY{\color{MHCommentColor}\ttfamily}
```

`\lstHTMLA`

```
19 \def\lstHTMLA{\color[hsb]{0.98, 1.0, 1.0}\bfseries}
```

`\lstHTMLB`

```
20 \def\lstHTMLB{\color[hsb]{0.98, 0.8, 0.8}}
```

`\lstHTMLC`

```
21 \def\lstHTMLC{\color[hsb]{0.98, 0.8, 0.8}}
```

`\lstHTMLD`

```
22 \def\lstHTMLD{\color[hsb]{0.98, 0.6, 0.8}\bfseries}
```

23 \def\lstHTMLE{\color[hsb]{0.98, 0.6, 0.8}\bfseries}

24 \def\lstHTMLX{\color{MHStringColor}\bfseries}

25 \def\lstHTMLY{\color{MHCommentColor}\ttfamily}

4.2   lstmhlang.sty

```
26 \lst@definelanguage{JavaScript}{%
27   classoffset=1,
28   morekeywords={
29     abstract,arguments,async,await,boolean,break,byte,case,
30     catch,char,class,const, continue,debugger,default,delete,
31     do,double,else,enum,eval,export,extends,false,
32     final,finally,float,for,function,goto,if,implements,
33     function,import,in,instanceof,int,interface,let,long,
34     native,new,null,package,private,protected,public,return,
35     short,static,super,switch,synchronized,this,throw,throws,
36     transient,true,try,typeof,using,var,void,volatile,
37     while,with,yield,},
38   keywordstyle=\lstJavascriptA,

39   classoffset=2,
40   morekeywords={
41     Array,Date,eval,function,hasOwnProperty,Infinity,isFinite,isNaN,
42     isPrototypeOf,length,Math,NaN,name,Number,Object,prototype,
43     String,toString,undefined,valueOf,getClass,java,JavaArray,javaClass,
44     JavaObject,JavaPackage,},
45   keywordstyle=\lstJavascriptB,

46   classoffset=3,
47   morekeywords={
48     alert,all,anchor,anchors,area,assign,blur,button,
49     checkbox,clearInterval,clearTimeout,clientInformation,
50     close,closed,confirm,constructor,crypto,decodeURI,decodeURIComponent,defaultStatus,
51     document,element,elements,embed,embeds,encodeURI,encodeURIComponent,escape,
52     event,fileUpload,focus,form,forms,frame,innerHeight,innerWidth,
53     layer,layers,link,location,mimeTypes,navigate,navigator,frames,
54     frameRate,hidden,history,image,images,offscreenBuffering,open,opener,
55     option,outerHeight,outerWidth,packages,pageXOffset,pageYOffset,parent,parseFloat,
56     parseInt,password,pkcs11,plugin,prompt,propertyIsEnum,radio,reset,
57     screenX,screenY,scroll,secure,select,self,setInterval,setTimeout,
58     status,submit,taint,text,textarea,top,unescape,untaint,
59     window,console,},
60   keywordstyle=\lstJavascriptC,

61   classoffset=4,
62   morekeywords={
```

```
63      onblur,onclick,onerror,onfocus,onkeydown,onkeypress,onkeyup,onmouseover,
64      onload,onmouseup,onmousedown,onsubmit,},
65    keywordstyle=\lstJavascriptE,

66    classoffset=5,
67    morekeywords={
68      width,height,src,},
69    keywordstyle=\lstJavascriptD,

70    morecomment=[s]{/*}{*/},
71    morecomment=[l]//,
72    morestring=[b]",
73    morestring=[b]',
74    commentstyle=\lstJavascriptY,
75    stringstyle=\lstJavascriptX,
76    }
77 \lst@definelanguage{CSS}{
78    classoffset=6,
79    alsoletter={:-},
80    morekeywords={
81        accelerator:,azimuth:,background:,background-attachment:,
82        background-color:,background-image:,background-position:,
83        background-position-x:,background-position-y:,background-repeat:,
84        behavior:,border:,border-bottom:,border-bottom-color:,
85        border-bottom-style:,border-bottom-width:,border-collapse:,
86        border-color:,border-left:,border-left-color:,border-left-style:,
87        border-left-width:,border-right:,border-right-color:,
88        border-right-style:,border-right-width:,border-spacing:,
89        border-style:,border-top:,border-top-color:,border-top-style:,
90        border-top-width:,border-width:,bottom:,caption-side:,clear:,
91        clip:,color:,content:,counter-increment:,counter-reset:,cue:,
92        cue-after:,cue-before:,cursor:,direction:,display:,elevation:,
93        empty-cells:,filter:,font-family:,font-size:,
94        font-size-adjust:,font-stretch:,font-style:,font-variant:,
95        font-weight:,float:,font:,height:,ime-mode:,include-source:,
96        layer-background-color:,layer-background-image:,layout-flow:,
97        layout-grid:,layout-grid-char:,layout-grid-char-spacing:,
98        layout-grid-line:,layout-grid-mode:,layout-grid-type:,left:,
99        letter-spacing:,line-break:,line-height:,list-style:,
100       list-style-image:,list-style-position:,list-style-type:,margin:,
101       margin-bottom:,margin-left:,margin-right:,margin-top:,
102       marker-offset:,marks:,max-height:,max-width:,min-height:,
103       min-width:,-moz-binding:,-moz-border-radius:,
104       -moz-border-radius-topleft:,-moz-border-radius-topright:,
105       -moz-border-radius-bottomright:,-moz-border-radius-bottomleft:,
106       -moz-border-top-colors:,-moz-border-right-colors:,
107       -moz-border-bottom-colors:,-moz-border-left-colors:,-moz-opacity:,
108       -moz-outline:,-moz-outline-color:,-moz-outline-style:,
109       -moz-outline-width:,-moz-user-focus:,-moz-user-input:,
110       -moz-user-modify:,-moz-user-select:,orphans:,outline:,
111       outline-color:,outline-style:,outline-width:,overflow:,
```

```
112    overflow-X:,overflow-Y:,padding:,padding-bottom:,padding-left:,
113    padding-right:,padding-top:,page:,page-break-after:,
114    page-break-before:,page-break-inside:,pause:,pause-after:,
115    pause-before:,pitch:,pitch-range:,play-during:,position:,quotes:,
116    -replace:,richness:,right:,ruby-align:,ruby-overhang:,
117    ruby-position:,-set-link-source:,size:,speak:,speak-header:,
118    speak-numeral:,speak-punctuation:,speech-rate:,stress:,
119    scrollbar-arrow-color:,scrollbar-base-color:,
120    scrollbar-dark-shadow-color:,scrollbar-face-color:,
121    scrollbar-highlight-color:,scrollbar-shadow-color:,
122    scrollbar-3d-light-color:,scrollbar-track-color:,table-layout:,
123    text-align:,text-align-last:,text-decoration:,text-indent:,
124    text-justify:,text-overflow:,text-shadow:,text-transform:,
125    text-autospace:,text-kashida-space:,text-underline-position:,top:,
126    unicode-bidi:,-use-link-source:,vertical-align:,visibility:,
127    voice-family:,volume:,white-space:,widows:,width:,word-break:,
128    word-spacing:,word-wrap:,writing-mode:,z-index:,zoom:,
129    transform:, -moz-transform:,
130    transition-duration:,transition-property:,transition-timing-function:,},
131    keywordstyle=\lstCSSA,

132    classoffset=7,
133    morekeywords={
134      hidden,visible,auto,bold,
135      inline-block,
136      url,default,none,context-menu,help,pointer,progress,wait,
137      cell,crosshair,text,vertical-text,alias,copy,move,no-drop,
138      not-allowed,e-resize,n-resize,ne-resize,nw-resize,s-resize,
139      se-resize,sw-resize,w-resize,ew-resize,ns-resize,nesw-resize,
140      nwse-resize,col-resize,row-resize,all-scroll,zoom-in,zoom-out,
141      grab,grabbing,
142      scale,rotate,translateX,transform,linear,
143      solid,
144      },
145    keywordstyle=\lstCSSB,

146    literate=
147      *{0}{{{\color{lstCSSnumber}0}}}{1}
148      {1}{{{\color{lstCSSnumber}1}}}{1}
149      {2}{{{\color{lstCSSnumber}2}}}{1}
150      {3}{{{\color{lstCSSnumber}3}}}{1}
151      {4}{{{\color{lstCSSnumber}4}}}{1}
152      {5}{{{\color{lstCSSnumber}5}}}{1}
153      {6}{{{\color{lstCSSnumber}6}}}{1}
154      {7}{{{\color{lstCSSnumber}7}}}{1}
155      {8}{{{\color{lstCSSnumber}8}}}{1}
156      {9}{{{\color{lstCSSnumber}9}}}{1}
157      {px}{{{\color{lstCSSnumber}px}}}{2}
158      {\%}{{{\color{lstCSSnumber}\%}}}{1},
159    alsodigit={0123456789},
160    sensitive=true,
```

```
161    morecomment=[l]{//},
162    morecomment=[s]{/*}{*/},
163    morestring=[b]',
164    morestring=[b]",
165    alsodigit={-123456789\%},
166    commentstyle=\lstCSSY,
167    stringstyle=\lstCSSX,
168 }
169 \lst@definelanguage{HTML5}{
```

language=JavaScript, language=CSS,

```
170    alsoletter={=-/},
171    sensitive=true,
172    morecomment=[s]{!--}{--},
173    classoffset=11,
174    morekeywords={
```

HTML tags

```
175         /a,a,/abbr,abbr,/address,address,/area,area,
176         /area,area,/article,article,/aside,aside,/audio,audio,
177         /audio,audio,/b,b,/base,base,/bdi,bdi,
178         /bdo,bdo,/blockquote,blockquote,/body,body,
179         /br,br,/button,button,/canvas,canvas,/caption,caption,
180         /cite,cite,/code,code,/col,col,/colgroup,colgroup,
181         /data,data,/datalist,datalist,/dd,dd,/del,del,/details,details,
182         /dfn,dfn,/div,div,/dl,dl,/dt,dt,/em,em,/embed,embed,
183         /fieldset,fieldset,/figcaption,figcaption,/figure,figure,
184         /footer,footer,/form,form,/h1,h1,/h2,h2,/h3,h3,/h4,h4,/h5,
185         h5,/h6,h6,/head,head,/header,header,/hr,hr,/html,html,/i,i,
186         /iframe,iframe,/img,img,/input,input,/ins,ins,/kbd,kbd,
187         /keygen,keygen,/label,label,/legend,legend,/li,li,
188         /link,link,/main,main,/map,map,/mark,mark,/math,math,
189         /menu,menu,/menuitem,menuitem,/meta,meta,/meter,meter,
190         /nav,nav,/noscript,noscript,/object,object,/ol,ol,
191         /optgroup,optgroup,/option,option,/output,output,/p,p,
192         /param,param,/pre,pre,/progress,progress,/q,q,/rp,rp,/rt,rt,
193         /ruby,ruby,/s,s,/samp,samp,/script,script,/section,section,
194         /select,select,/small,small,/source,source,/span,span,
195         /strong,strong,/style,style,/summary,summary,/sup,sup,
196         /svg,svg,/table,table,/tbody,tbody,/td,td,/template,template,
197         /textarea,textarea,/tfoot,tfoot,/th,th,/thead,thead,/time,time,
198         /title,title,/tr,tr,/track,track,/u,u,/ul,ul,/var,var,
199         /video,video,/wbr,wbr,
200         },
201    keywordstyle=\lstHTMLA,
202    classoffset=12,
203    morekeywords={id=,ref=,width=,height=,
204      charset=,},
205    keywordstyle=\lstHTMLB,
206    classoffset=13,
207    morekeywords={
```

```
208        accept=, accept-charset=, accesskey=, action=, align=, alt=, async=, %
209        autocomplete=, autofocus=, autoplay=, autosave=, bgcolor=, border=, %
210        buffered=, challenge=, charset=, checked=, cite=, class=, code=, %
211        codebase=, color=, cols=, colspan=, content=, contenteditable=, %
212        contextmenu=, controls=, coords=, data=, datetime=, default=, %
213        defer=, dir=, dirname=, disabled=, download=, draggable=, %
214        dropzone=, enctype=, for=, form=, formaction=, headers=, %
215        height=, hidden=, high=, href=, hreflang=, http-equiv=, icon=, %
216        id=, ismap=, itemprop=, keytype=, kind=, label=, lang=, %
217        language=, list=, loop=, low=, manifest=, max=, maxlength=, %
218        media=, method=, min=, multiple=, name=, novalidate=, open=, %
219        optimum=, pattern=, ping=, placeholder=, poster=, preload=, %
220        pubdate=, radiogroup=, readonly=, rel=, required=, reversed=, %
221        rows=, rowspan=, sandbox=, scope=, scoped=, seamless=, selected=, %
222        shape=, size=, sizes=, span=, spellcheck=, src=, srcdoc=, %
223        srclang=, start=, step=, style=, summary=, tabindex=, %
224        target=, title=, type=, usemap=, value=, width=, wrap=,
225        }
226   keywordstyle=\lstHTMLC,
227   moredelim=**[s][\itshape]{style}{/style},
228   moredelim=**[s][\itshape]{script}{/script},
229   literate=
230     *{<}{{{\lstHTMLA$<$}}}{1}
231      {>}{{{\lstHTMLA$>$}}}{1},
232   commentstyle=\lstHTMLY,
233 }
234 \lstdefinelanguage{WEB}{
 language=HTML5,
235   language=CSS,
236   alsolanguage=JavaScript,
237   alsolanguage=HTML5,
 alsolanguage=CSS,
238   alsoletter={=-/:-},
239   }
```

Change History

v0.4

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.