



HTML-STANDARDS ZUR OPTIMALEN  
VERWENDUNG IN WCMS

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VOM HTML-DUMMY  
ZUR CONTENT-KLASSE



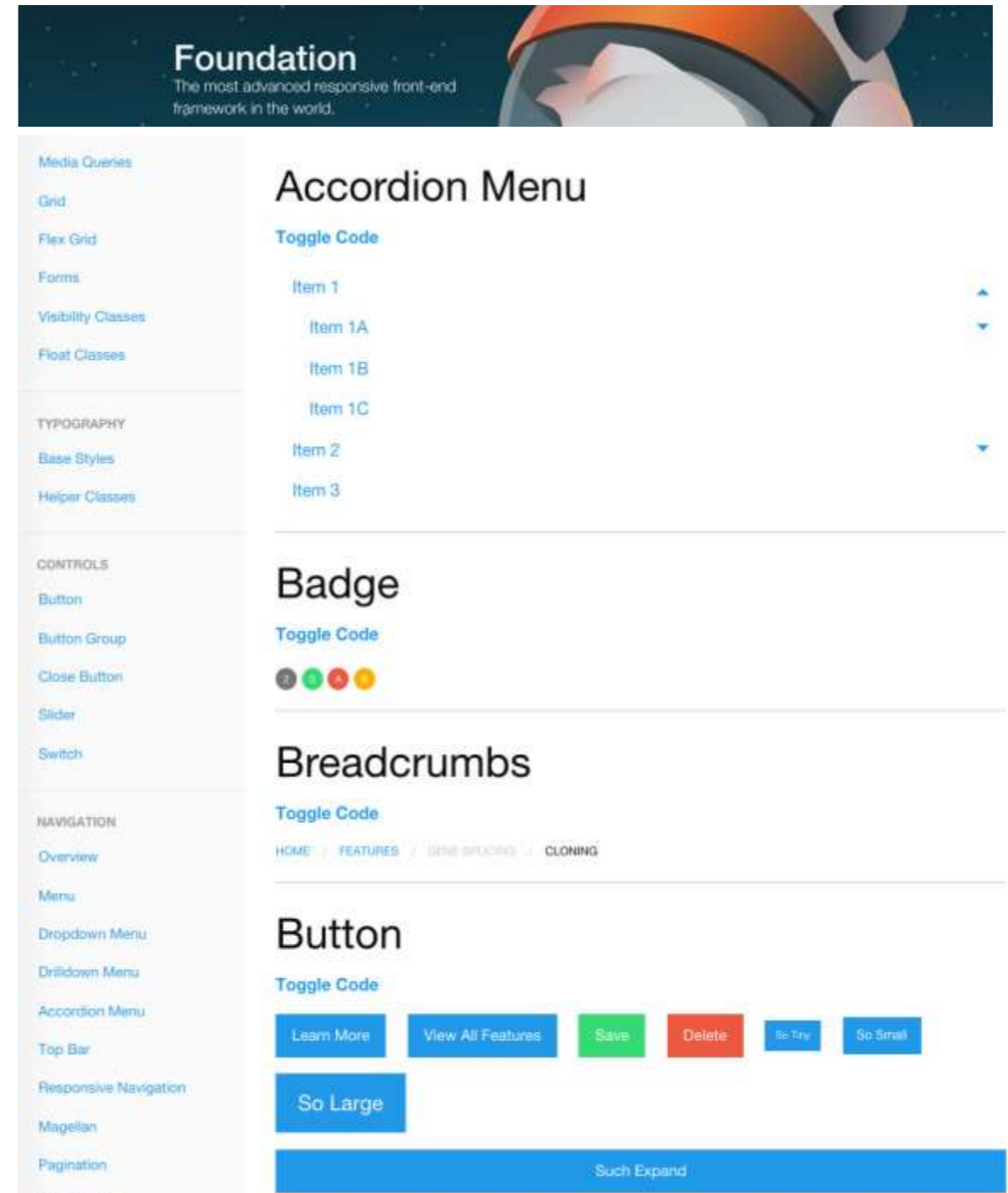
HTML-DUMMY

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MUSS ICH  
VON NULL  
STARTEN?

## FRAMEWORKS

- ▶ Foundation 5 bzw. NEU 6
- ▶ Basis CSS für Elemente wie Headlines, Buttons, Formulare etc
- ▶ vorhandene Grundelemente z.B. Navigations-Menüs, Accordions, Tabs, Formulare
- ▶ Responsive Grid
- ▶ SASS bzw. SCSS
- ▶ node.js + gulp



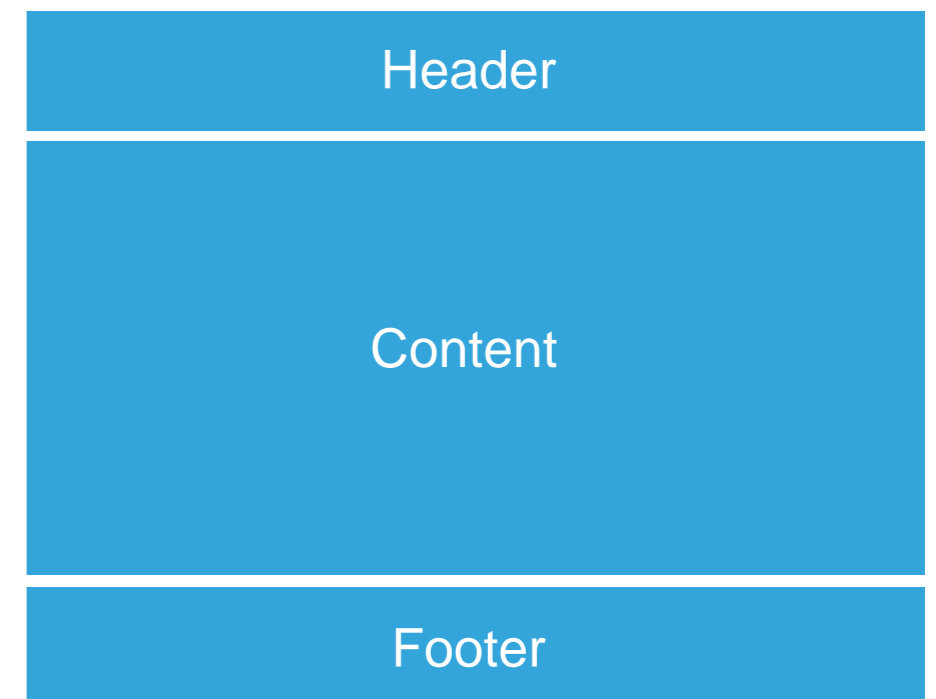
The screenshot displays the Foundation framework documentation website. At the top, the 'Foundation' logo is accompanied by the tagline 'The most advanced responsive front-end framework in the world.' Below this, a navigation menu lists various components: Media Queries, Grid, Flex Grid, Forms, Visibility Classes, Float Classes, TYPOGRAPHY, Base Styles, Helper Classes, CONTROLS, Button, Button Group, Close Button, Slider, Switch, NAVIGATION, Overview, Menu, Dropdown Menu, Drilldown Menu, Accordion Menu, Top Bar, Responsive Navigation, Magellan, and Pagination. The main content area shows several examples of UI components: 'Accordion Menu' with a list of items (Item 1, Item 1A, Item 1B, Item 1C, Item 2, Item 3) and a 'Toggle Code' link; 'Badge' with a row of four colored circles and a 'Toggle Code' link; 'Breadcrumbs' with a breadcrumb trail 'HOME / FEATURES / DEVELOPING / CLONING' and a 'Toggle Code' link; and 'Button' with several examples of buttons in different sizes and colors (Learn More, View All Features, Save, Delete, Be Tiny, So Small, So Large, Such Expand) and a 'Toggle Code' link.

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# EIN KLARER AUFBAU

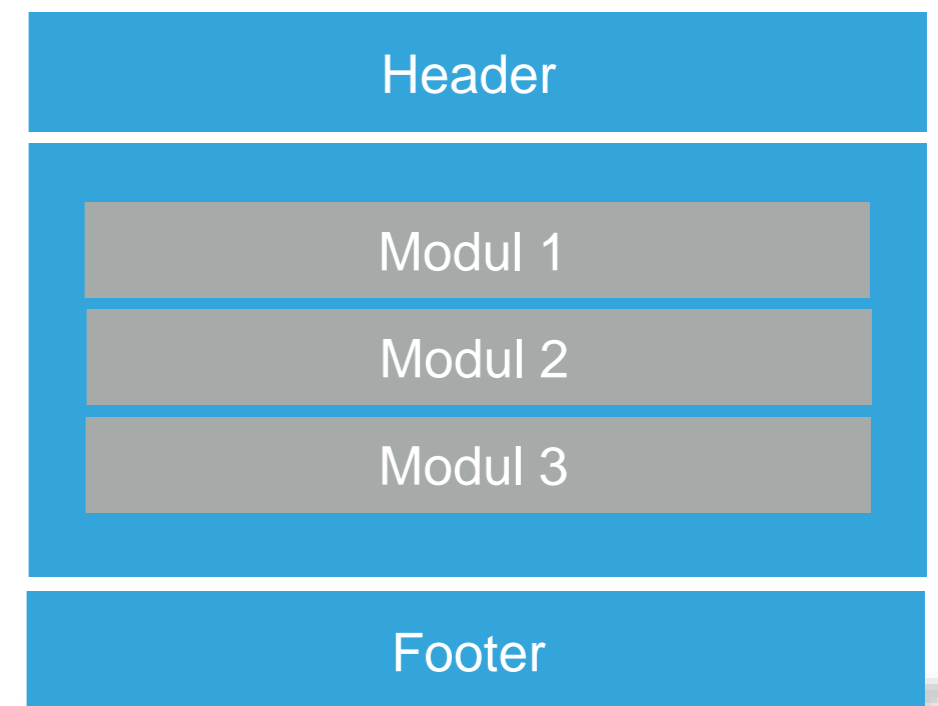
# GLIEDERUNG DER WEBSEITE

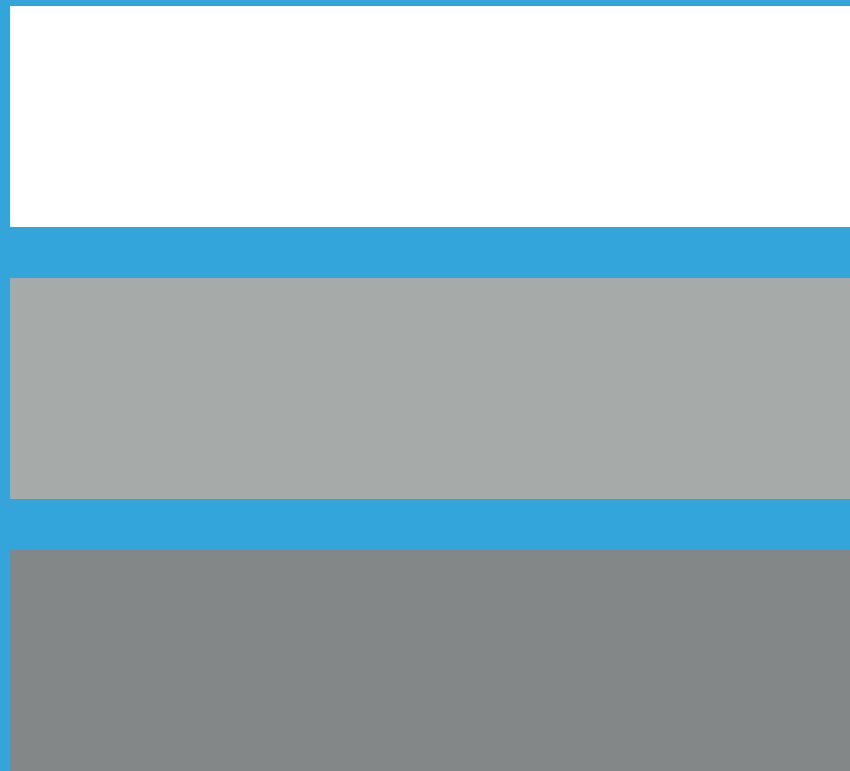
- ▶ eine Seite sollte klar aufgeteilt sein
- ▶ ausblenden von Bereichen im CMS muss möglich sein



# GLIEDERUNG DES CONTENTS

- ▶ der Content soll sich aus Modulen zusammensetzen
- ▶ wie in einem Baukasten müssen die einzelnen Module variabel einsetzbar sein





HTML-AUFBAU

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MODULE

# GRUNDAUFBAU HTML

- ▶ Jedes Content-Modul ist im Rahmen gleich aufgebaut
- ▶ Das SCSS ist ebenfalls allgemein
- ▶ Es werden nur Abstände definiert

## Modul-HTML

```
<div class="mod">  
  <div class="moduleWrap">  
    ...  
  </div>  
</div>
```

## SCSS

```
.mod {  
  .moduleWrap {  
    padding: 60px 0 42px 0;  
  }  
}
```



# GRUNDAUFBAU HTML

- ▶ Das Content-Modul **CM01** bekommt seinen eigenen Selektor
- ▶ Über SCSS kann der Selektor verschachtelt werden

## Content-Modul 1 - CM01

```
<div class="mod cm01">
  <div class="moduleWrap">
    <div class="cm01__content">
      ...
    </div>
  </div>
</div>
```

## SCSS - CM01

```
.mod {
  .moduleWrap {
    padding: 60px 0 42px 0;
    .cm01__content {
      background: #ff9900;
    }
  }
}
```



Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores



## PRINZIP

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ÄHNLICHES  
BLEIBT  
GLEICH

## MODULE MIT ÄHNLICHEM DESIGN SOLLTEN DAS GLEICHE HTML BESITZEN

Headline



Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam

```
<div class="mod cm01">  
  <div class="moduleWrap">  
    <div class="cm01__content cm01_horizontal cm01_imgLeft">  
      ...  
    </div>  
  </div>  
</div>
```

Headline

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam



```
<div class="mod cm01">  
  <div class="moduleWrap">  
    <div class="cm01__content cm01_horizontal cm01_imgRight">  
      ...  
    </div>  
  </div>  
</div>
```

Headline



Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna

```
<div class="mod cm01">  
  <div class="moduleWrap">  
    <div class="cm01__content cm01_vertical">  
      ...  
    </div>  
  </div>  
</div>
```

## SCSS

- ▶ Die SCSS-Formatierung unterstützt hier den modularen Ansatz
- ▶ Für jede Variante des Moduls wird eine CSS-Klasse unter CM01 erstellt
- ▶ Die Art CSS zu schreiben ist sehr übersichtlich

```
.cm01 {  
  .cm01_horizontal {  
    .cm01_imgLeft{  
      ...  
    }  
    .cm01_imgRight{  
      ...  
    }  
  }  
  .cm01_vertical{  
    ...  
  }  
}
```

- ▶ Im CMS hat der Redakteur nun einfach die Wahl:
- ▶ Vertikal, Horizontal Bild links, Horizontal Bild rechts
- ▶ Der Redakteur kann durch diese Umsetzung die Darstellung auch flexibel umstellen

Variante des Moduls auswählen:

Vertikal ▼

Horizontal Bild links

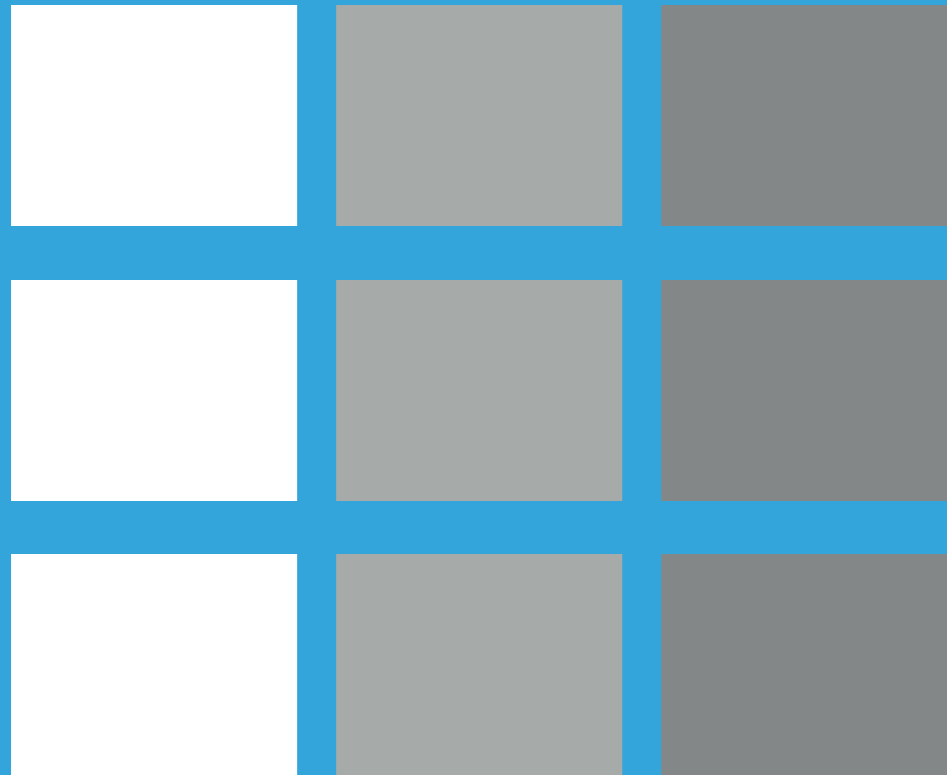
Horizontal Bild rechts

## Vertikal



## Horizontal Bild links / rechts





LISTEN

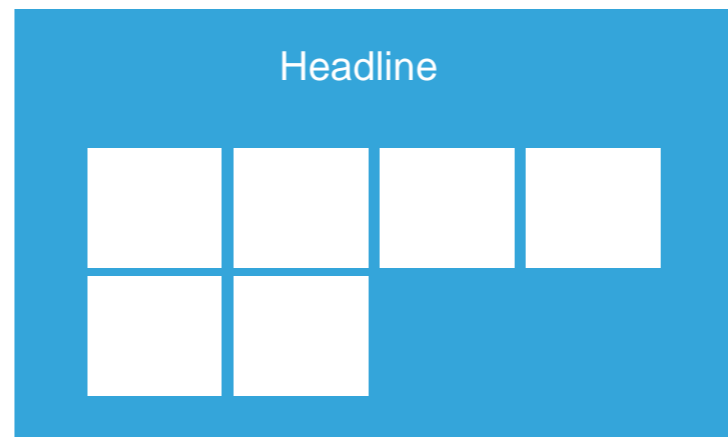
---

FLOATING

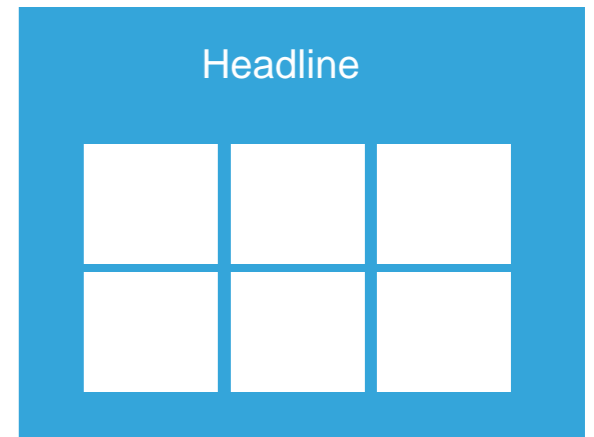
# FLOATING

- ▶ Floating Lists müssen ohne zusätzliche CSS-Klasse wie „last“ funktionieren
- ▶ Sie müssen responsive sein
- ▶ Der Redakteur darf keinen zusätzlichen Aufwand haben für die verschiedenen Viewports Einstellungen machen zu müssen

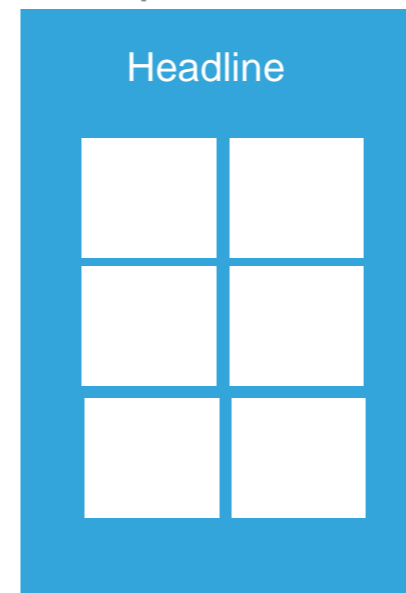
Viewport L



Viewport M



Viewport S



# HTML

```
<div class="mod cm02">
  <div class="moduleWrap">
    <div class="cm02__content">
      <ul>
        <li class="list_item"> ... </li>
        <li class="list_item"> ... </li>
        <li class="list_item"> ... </li>
        <li class="list_item"> ... </li>
        ...
      </ul>
    </div>
  </div>
</div>
```

# SCSS

```
.cm02 {
  .list-item {
    float: left;
    margin: 0 10px 10px 0;
    &:nth-child(4n) {
      margin-right: 0;
    }
  }
  @include grid (m, min-max){
    &:nth-child(3n) {
      margin-right: 0;
    }
  }
  @include grid (s){
    &:nth-child(2n) {
      margin-right: 0;
    }
  }
}
}
```



KLEINE

---

HELFFER-  
LEIN

# AUTOMATISIERUNG

- ▶ SVG-Grafiken sollten im StyleSheet in Base64 gespeichert werden
- ▶ Fürs CMS ist es sinnvoll Grafiken-Pfade in Platzhalter umzuwandeln

## SCSS

```
.skycinema {  
  background-image: $sky_logo_skycinema;  
}
```

## SCSS– Variablen Wert „lokal/FTP“

```
$sky_logo_skycinema:  
url('/assets/img/sky_logo_skycinema.png');
```

## SCSS– Variablen Wert „CMS“

```
$sky_logo_skycinema:  
url('<%img_sky_logo_skycinema%>');
```

## Gulp.js

```
images += (!cms) ? "$"+variable_name+": url('/"+files[i]+"');\n" :  
"$"+variable_name+": url('<%img_"+variable_name.replace(/\\-/g, '_')+"%>');\n";
```

# AUTOMATISIERUNG

- ▶ Um das Ladeverhalten zu optimieren müssen JavaScript- und StyleSheet-Dateien minifiziert werden

```
$ gulp publish_cms
```

```
[19:43:50] Starting 'clean_publish'...  
[19:43:50] Finished 'clean_publish' after 82 ms  
[19:43:50] Starting 'publish_cms'...  
[19:43:50] Starting 'compile_html'...  
[19:43:50] Starting 'sass_assets'...  
[19:43:50] Finished 'sass_assets' after 2.14 ms  
[19:43:50] Starting 'compile_css'...  
[19:43:50] Starting 'compile_mix'...  
[19:43:50] Finished 'publish_cms' after 13 ms  
[19:43:50] Finished 'compile_mix' after 224 ms  
[19:43:51] Finished 'compile_html' after 549 ms  
[19:43:59] Finished 'compile_css' after 8.42 s  
[19:43:59] Starting 'publish_assets'...  
[19:44:01] Finished 'publish_assets' after 2.55 s  
[19:44:01] Starting 'minify_js'...  
[19:44:01] Starting 'minify_css'...  
[19:44:06] Finished 'minify_css' after 5.01 s  
[19:44:06] Finished 'minify_js' after 5.18 s
```

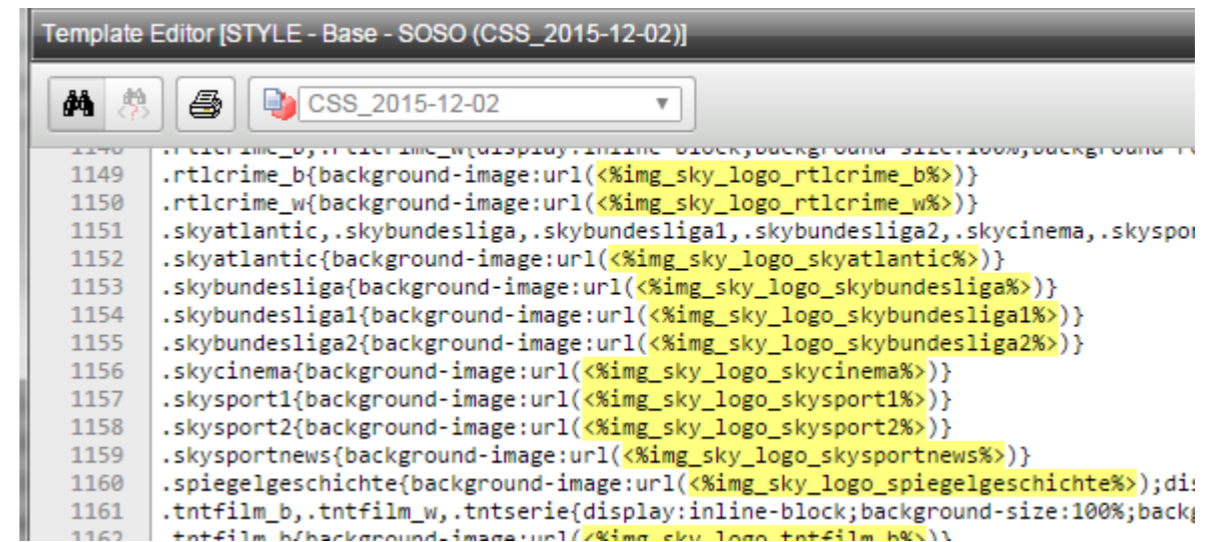
OPENTEXT

---

WCMS

# TODOS IN DEN CONTENT-KLASSEN

- ▶ StyleSheet
  - ▶ Copy&Paste ins CMS
  - ▶ Platzhalter erstellen und Assets hochladen
- ▶ JavaScript
  - ▶ Copy&Paste ins CMS



```
Template Editor [STYLE - Base - SOSO (CSS_2015-12-02)]
CSS_2015-12-02
1148 .rtlcrime_b,.rtlcrime_w{display:inline-block;background-size:100%;background-r
1149 .rtlcrime_b{background-image:url(<%img_sky_logo_rtlcrime_b%>)}
1150 .rtlcrime_w{background-image:url(<%img_sky_logo_rtlcrime_w%>)}
1151 .skyatlantic,.skybundesliga,.skybundesliga1,.skybundesliga2,.skycinema,.skyspor
1152 .skyatlantic{background-image:url(<%img_sky_logo_skyatlantic%>)}
1153 .skybundesliga{background-image:url(<%img_sky_logo_skybundesliga%>)}
1154 .skybundesliga1{background-image:url(<%img_sky_logo_skybundesliga1%>)}
1155 .skybundesliga2{background-image:url(<%img_sky_logo_skybundesliga2%>)}
1156 .skycinema{background-image:url(<%img_sky_logo_skycinema%>)}
1157 .skysport1{background-image:url(<%img_sky_logo_skysport1%>)}
1158 .skysport2{background-image:url(<%img_sky_logo_skysport2%>)}
1159 .skysportnews{background-image:url(<%img_sky_logo_skysportnews%>)}
1160 .spiegelgeschichte{background-image:url(<%img_sky_logo_spiegelgeschichte%>);di:
1161 .tntfilm_b,.tntfilm_w,.tntserie{display:inline-block;background-size:100%;backg
1162 .tntfilm_b{background-image:url(<%img_sky_logo_tntfilm_b%>)}

```

# TODOS IN DEN CONTENT-KLASSEN

- ▶ Module
  - ▶ Copy&Paste ins CMS
  - ▶ Platzhalter erstellen
  - ▶ Bearbeitung im SmartEdit ermöglichen
  - ▶ Dokumentieren (rdDoc)

```

Template Editor [[CM04] Module Image Text (HTML_2015-11-26)]
HTML_2015-11-26
5  * CM04 - Template um einen Teaser zu erstellen
6  * Inklusive Bild,Text und optionalem Link
7  *
8  * @template
9  * @version 1.0
10 * @source
11 *
12 * @release
13 * @author ID Media (KNG)
14 * @see
15 *
16 */</rdDoc>-->
17 <!/IoRangeRedDotMode><!/IoRangeNoRedDotMode>
18 <!/IoRangeRedDotMode>
19 <div class="reddot">
20     <!/IoRedDotOpenPage> Seite<!/IoRangeRedDotEditOnly>
21     <!/IoRangeRedDotEditOnly>
22     <!/IoRedDot_opt_fontColor> Modul - Konfiguration<
23     <!/IoRedDot_img_teasser> Bild<br>
24     <!/IoRedDot_link_left> Linker Link<br>
25     <!/IoRedDot_link_left_at> Linker Link (AT)<br>
26     <!/IoRedDot_std_link_left_title> Linker Link - Ti
27     <!/IoRedDot_link_right> Rechter Link<br>
28     <!/IoRedDot_link_right_at> Rechter Link (AT)<br>
29     <!/IoRedDot_std_link_right_title> Rechter Link -
30     <!/IoRangeRedDotEditOnly>
31 </div>
32 <!/IoRangeRedDotMode>
33 <div class="cm04 mod <%opt_bgColor%> <%opt_fontColor%
34 <div class="moduleWrap">
35     <div class="cm04_content cm04_<%opt_alignme
36     <div class="large10 cm04_headlines">
37         <<%opt_h1%>><!/IoRedDot_std_headline>
38         <h3><!/IoRedDot_std_subheadline><%std
39     </div>
40     <div class="cm04_img">
41         
44         <!/IoRangeConditional><h2><!/IoRedDot_
45         <!/IoRangeConditional><h3><!/IoRedDot_
46         <div class="<%opt_highlight_text%> <
47             <!/IoRedDot_text_content><%text_c
48     </div>
49 </div>
50     <div class="cm04_bottomLinks">
51         <!/IoRangePreExecute><% if("<%link_le
52         <div class="cm04_bottomLinks-left">
53             <!/IoRangeConditional><logic:equa
54             <a href="<%link_left%" title="<

```

# Vielen Dank für Ihre Aufmerksamkeit

---

Mirosława Santur

I-D MEDIA AG

mirka.santur@idmedia.com  
<http://www.idmedia.de>

Konrad-Adenauer-Ufer 39  
D-50668 Köln  
Fon +49 (0) 221 – 399 603 - 20  
Fax +49 (0) 221 – 399 603 - 19