

Best Practice: Joomla Templating

Hans Kuijpers



TIP 1 - de basis

Begin met een basis

- via Joomla.org meest recente versie downloaden
- installeren op hostingomgeving
- handige extensies downloaden en installeren
- tof template downloaden en installeren
- standaard instellingen wijzigen
- accounts aanmaken

Begin met een basis

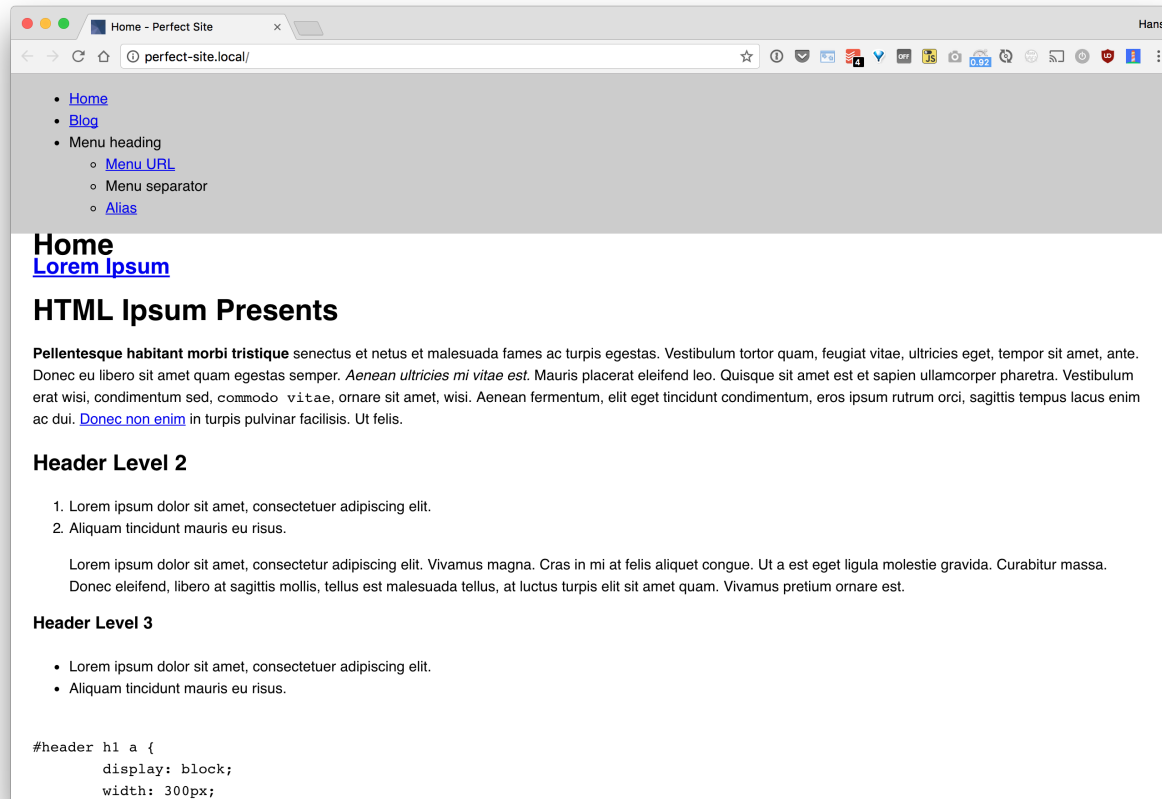
- via Joomla.org meest recente versie downloaden
- installeren op hostingomgeving
- handige extensies downloaden en installeren
- tof template downloaden en installeren
- standaard instellingen wijzigen
- accounts aanmaken
- een boel tijd verloren
- en nu pas aan de slag

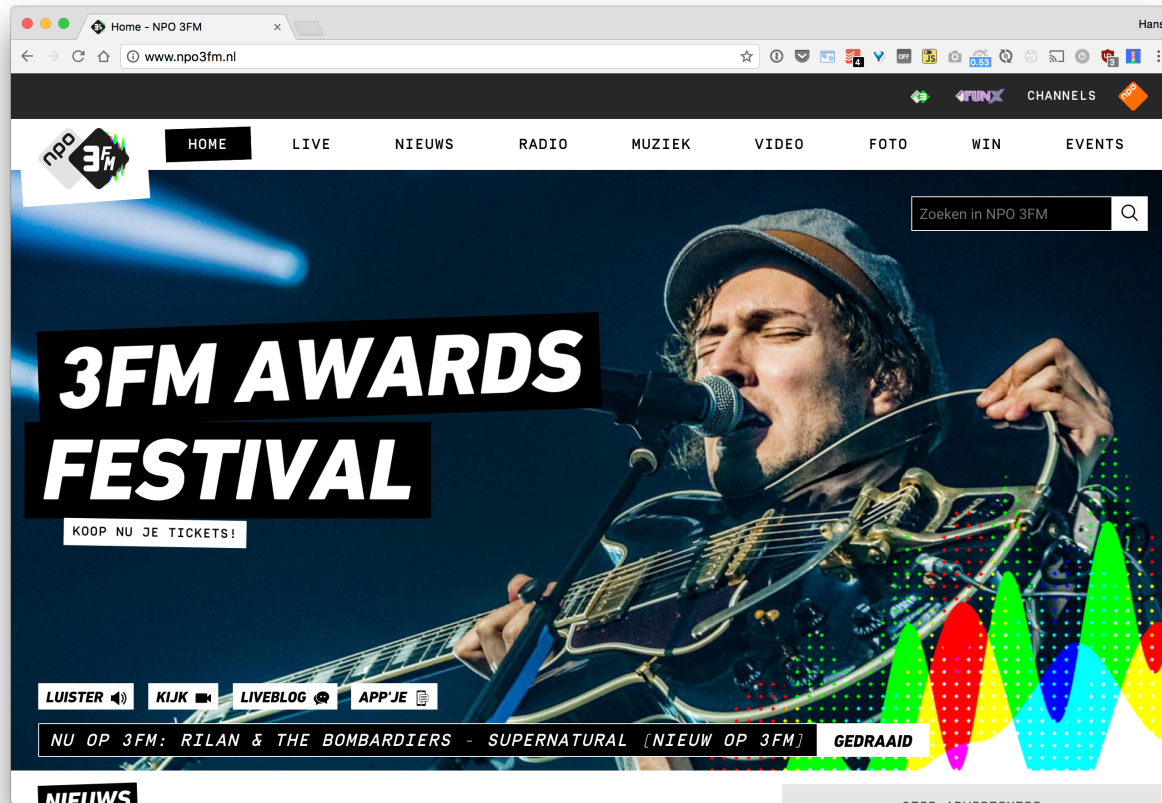
Begin met een goede basis

- Heb ergens een basis Joomla! site staan
- Rol die uit op je lokale ontwikkelomgeving
- En ga aan de slag

Eenmalig eigen basis opzetten

- Investeer eenmalig tijd in een goede basis
- Gebruik als kickstart voor ieder template-project
- Beheer basis via bijvoorbeeld een github-repo
- Maak bibliotheek van overrides, JavaScript, SCSS





perfectwebteam/perfect-site: x Hans

GitHub, Inc. [US] <https://github.com/perfectwebteam/perfect-site>

This repository Search Pull requests Issues Gist

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The Perfect (Web Team) Site as start for new projects

152 commits 5 branches 3 releases 5 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

hans2103 Refactor self::template to self::template() Latest commit 2b81251 a day ago

assets	Merge branch 'master' of https://github.com/perfectwebteam/perfect-site	23 days ago
config	Merge branch 'master' of github.com:perfectwebteam/perfect-site	2 months ago
public_html	Refactor self::template to self::template()	a day ago
.gitignore	Update README and adding tmp and logs folders	3 months ago
.htaccess	#4 opsplitsing van Gruntfile naar separate config items.	6 months ago
README.md	Improvements	23 days ago
bower.json	replace bower normalize-scss with node-normalise-scss and load via npm	2 months ago
configuration.php.dist	Improvements	23 days ago
gruntfile.js	Merge branch 'master' of github.com:perfectwebteam/perfect-site	2 months ago
htaccess.perfect.txt	Improvements	23 days ago
package.json	replace bower normalize-scss with node-normalise-scss and load via npm	2 months ago

README.md

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TIP 2 - automatiseer waar mogelijk

Building tools

- Zoveel mogelijk stappen automatiseren
- Snel en eenvoudig
- Performance verbeteren
- Fouten minimaliseren

Welke taken?

- LESS of SASS compileren naar CSS
- SASS source map aanmaken
- JavaScript samenvoegen
- CSS of JavaScript minifyen
- Git commits, pushen en pullen
- Afbeeldingen comprimeren
- Bestanden kopiëren

Welke taken?

- LESS of SASS compileren naar CSS
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Bijvoorbeeld met Grunt

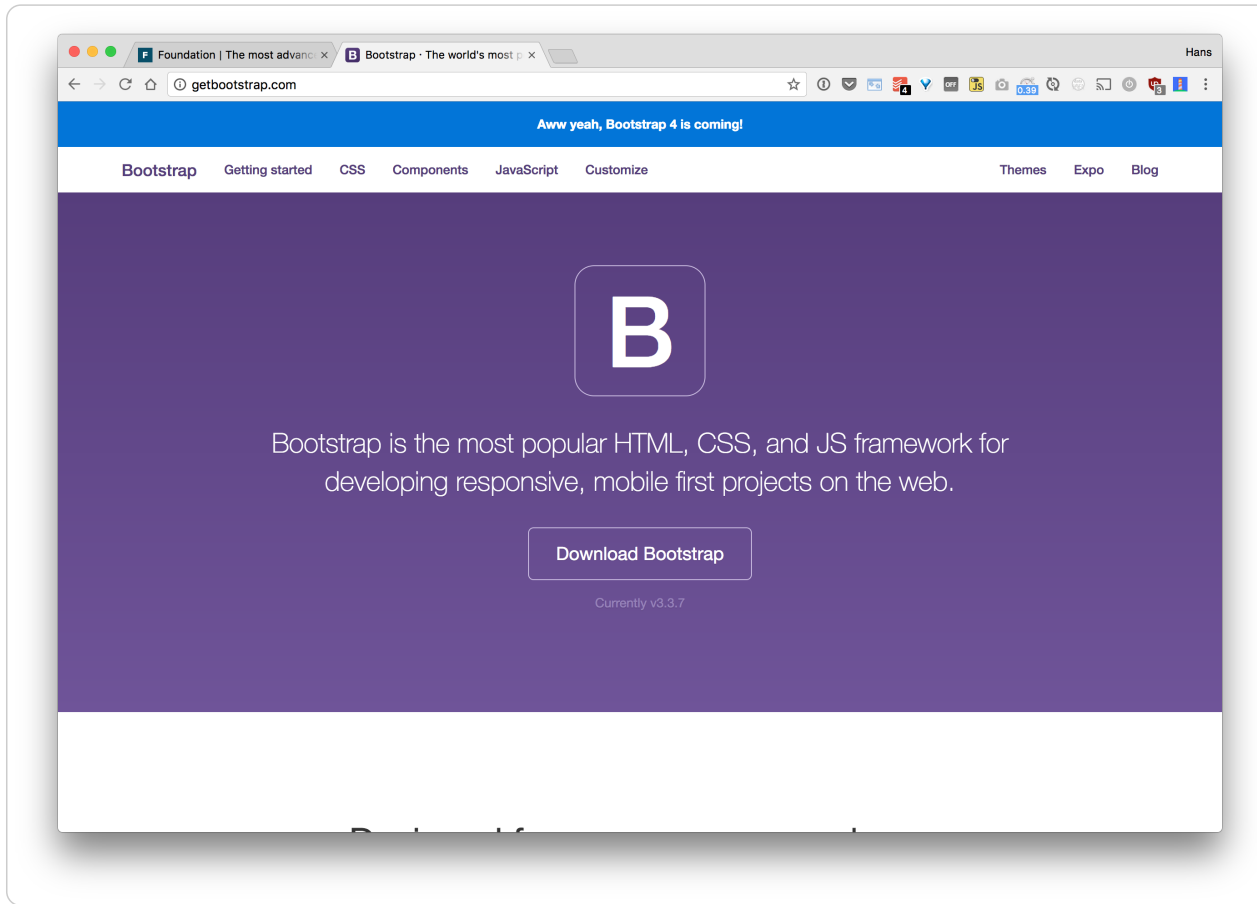
Grunt task sass compilatie

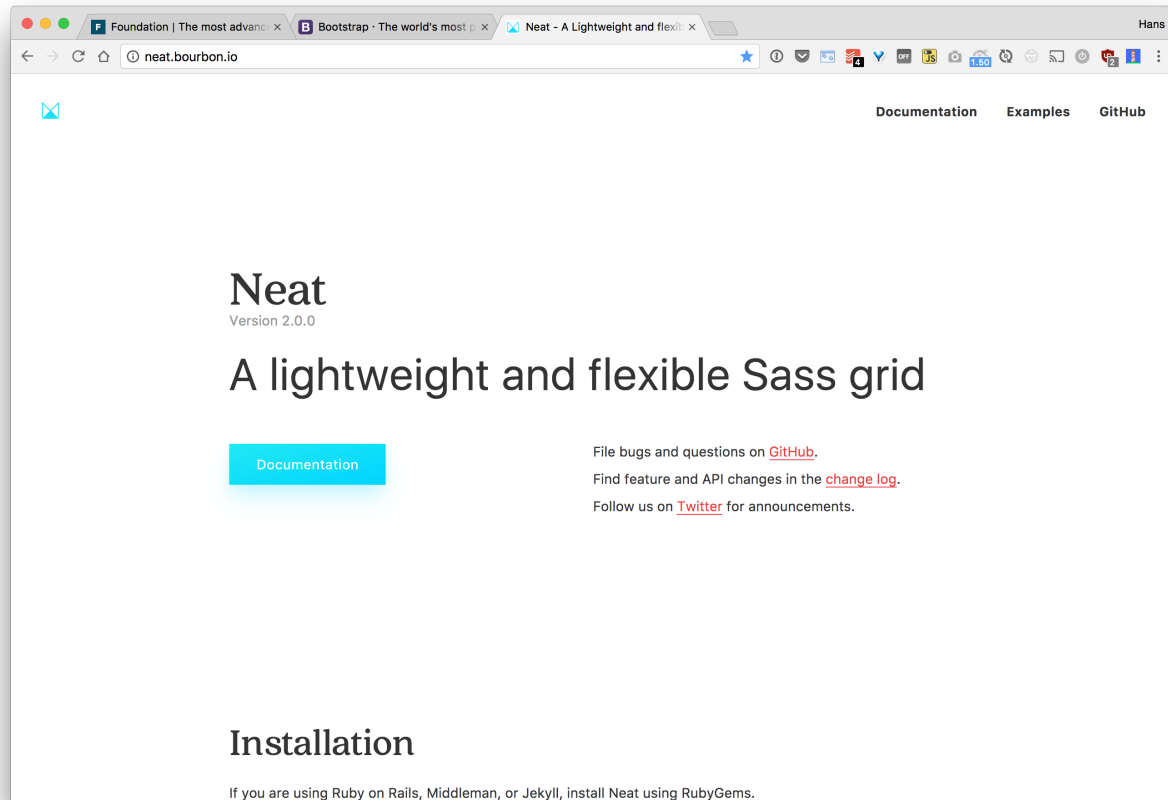
SCSS => CSS

```
'use strict';

//
module.exports = {
  dist: {
    options: {
      includePaths: [
        require("bourbon").includePaths,
        require("bourbon-neat").includePaths,
        require("node-normalize-scss").includePaths
      ]
    },
    files: {
      '<%= paths.template %>/css/style.css': '<%= paths.assets %>/scss/style.scss',
      '<%= paths.template %>/css/grid.css': '<%= paths.assets %>/scss/grid.scss',
      '<%= paths.template %>/css/font.css': '<%= paths.assets %>/scss/font.scss'
    }
  }
};
```

TIP 3 - SCSS mixins for the win





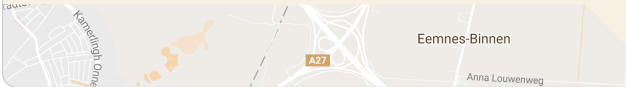


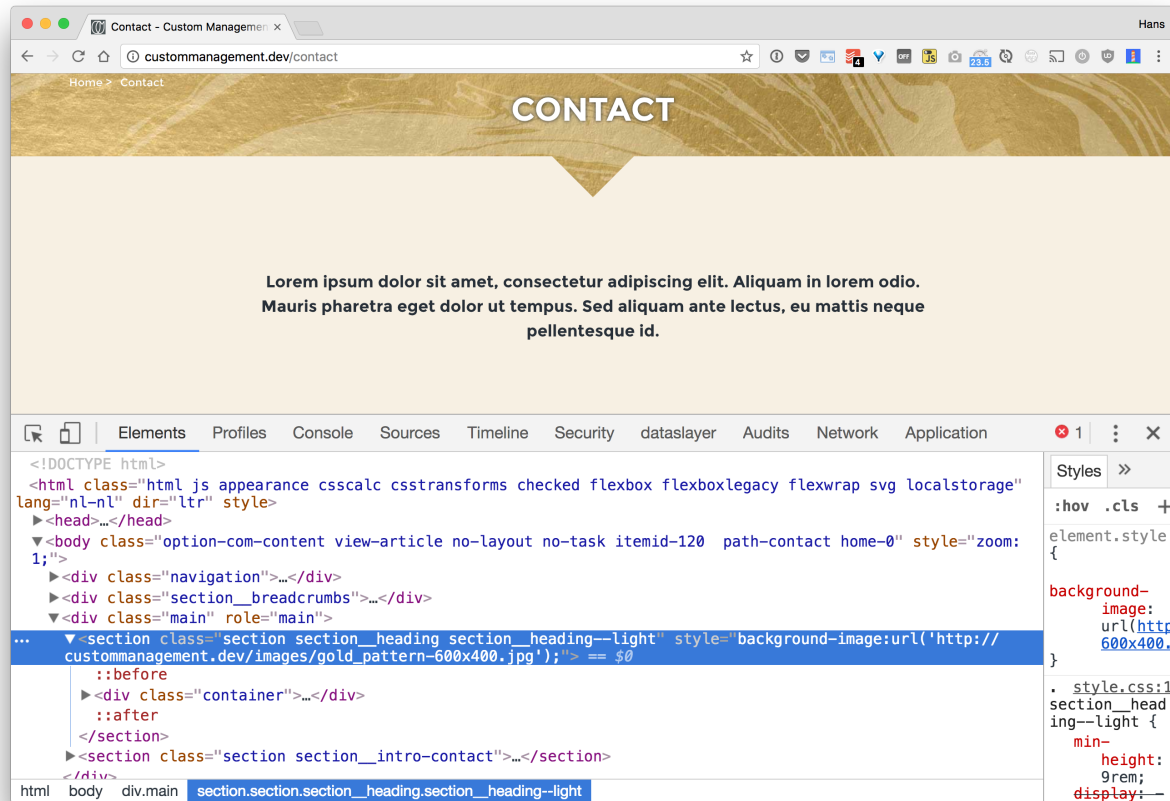
style.css

0 bytes

CONTACT

**Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam in lorem odio.
Mauris pharetra eget dolor ut tempus. Sed aliquam ante lectus, eu mattis neque
pellentesque id.**





section/_heading.scss

```
.section {  
  @include e('heading') {  
    @include m('light') {  
      @include heading($quarter-spanish-white);  
    }  
  
    @include m('white') {  
      @include heading(white);  
    }  
  
    @include m('image') {  
      @include heading--clipart;  
    }  
  }  
}
```

@include heading -> mixin heading

```
@mixin heading($bgcolor: white) {  
    @include heading--base;  
    @include arrow-bottom(2.5em, 50, transparent, $bgcolor);  
}  
  
@mixin heading--clipart {  
    @include heading--base;  
    @include arrow-bottom-clipart(50);  
}
```

**@include arrow-button -> mixin
arrow-button**

Met css als resultaat

- scss -> css
- vendorprefix
- minified

TIP 4 - de templateHelper

Template - Protostar

```
126: <!DOCTYPE html>
127: <html lang="<?php echo $this->language; ?>" dir="<?php echo $this->direction; ?>">
128: <head>
129:     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
130:     <jdoc:include type="head" />
131: </head>
132: <body class="site <?php echo $option
133:     . ' view-' . $view
134:     . ($layout ? ' layout-' . $layout : ' no-layout')
135:     . ($task ? ' task-' . $task : ' no-task')
136:     . ($itemid ? ' itemid-' . $itemid : '')
137:     . ($params->get('fluidContainer') ? ' fluid' : '');
138:     echo ($this->direction === 'rtl' ? ' rtl' : '');
139: ?>">
```

Template - Protostar

```
126: <!DOCTYPE html>
127: <html lang="<?php echo $this->language; ?>" dir="<?php echo $this->direction; ?>">
128: <head>
129:     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
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136:     . ($itemid ? ' itemid-' . $itemid : '')
137:     . ($params->get('fluidContainer') ? ' fluid' : '');
138:     echo ($this->direction === 'rtl' ? ' rtl' : '');
139: ?>">
```

Pas op regel 126 begint de HTML pagina.

Daarvoor alleen maar PHP functies

Nadelen

- foutgevoelig
- geen overzicht
- moeilijk herbruikbaar in overrides

Nadelen

- foutgevoelig
- geen overzicht
- moeilijk herbruikbaar in overrides

Conflicten gegarandeerd!

(en dus debug-uren)

Template - PerfectTemplate

```
24: <!DOCTYPE html>
25: <html class="html no-js" lang="<?php echo $this->language; ?>" dir="<?php echo $this->directi
on; ?>">
26: <head>
27:     <jdoc:include type="head"/>
28:     <noscript>
29:         <link href="<?php echo $this->baseurl; ?>/templates/<?php echo $this->template; ?>/cs
s/font.css" rel="stylesheet" type="text/css"/>
30:     </noscript>
31: </head>
32: <body class="<?php echo PWTTemplateHelper::getBodySuffix(); ?>">
33: <?php echo PWTTemplateHelper::getAnalytics(2,'GTM-XXXXXX')['script']; ?>
```

Template - PerfectTemplate

```
24: <!DOCTYPE html>
25: <html class="html no-js" lang="<?php echo $this->language; ?>" dir="<?php echo $this->directi
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26: <head>
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s/font.css" rel="stylesheet" type="text/css"/>
30:     </noscript>
31: </head>
32: <body class="<?php echo PWTTemplateHelper::getBodySuffix(); ?>">
33: <?php echo PWTTemplateHelper::getAnalytics(2,'GTM-XXXXXX')['script']; ?>
```

100 regels eerder begint de HTML pagina

De PHP functies zijn verplaatst

De eerste 25 regels code

```
<?php
/*
 * @package      perfecttemplate
 * @copyright    Copyright (c) Perfect Web Team / perfectwebteam.nl
 * @license      GNU General Public License version 3 or later
 */

// No direct access.
defined('_JEXEC') or die;

// Load Perfect Template Helper
require_once JPATH_THEMES . '/' . $this->template . '/helper.php';
require_once JPATH_THEMES . '/' . $this->template . '/html/layouts/render.php';

PWTTemplateHelper::setMetadata();
PWTTemplateHelper::setFavicon();
PWTTemplateHelper::unloadCss();
PWTTemplateHelper::unloadJs();
PWTTemplateHelper::loadCss();
PWTTemplateHelper::loadJs();
PWTTemplateHelper::localStorageFont();
PWTTemplateHelper::ajaxSVG();
?>
```

Bij fouten makkelijk uit te schakelen

```
<?php
/*
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 * @license      GNU General Public License version 3 or later
 */

// No direct access.
defined('_JEXEC') or die;

// Load Perfect Template Helper
require_once JPATH_THEMES . '/' . $this->template . '/helper.php';
require_once JPATH_THEMES . '/' . $this->template . '/html/layouts/render.php';

PWTTemplateHelper::setMetadata();
PWTTemplateHelper::setFavicon();
//PWTTemplateHelper::unloadCss();
//PWTTemplateHelper::unloadJs();
//PWTTemplateHelper::loadCss();
//PWTTemplateHelper::loadJs();
//PWTTemplateHelper::localStorageFont();
//PWTTemplateHelper::ajaxSVG();
?>
```

Helper.php - snippet

```
class PWTTemplateHelper
{
    static public function template()
    {
        return JFactory::getApplication()->getTemplate();
    }

    static public function loadCss()
    {
        JFactory::getDocument()->addStyleSheet('templates/' . self::template() .
        '/css/style.css');
    }
}
```

Helper.php - snippet

```
class PWTTemplateHelper
{
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    {
        return JFactory::getApplication()->getTemplate();
    }

    static public function loadCss()
    {
        JFactory::getDocument()->addStyleSheet('templates/' . self::template() .
        '/css/style.css');
    }
}
```

Resulteert in

```
<link href="/templates/perfecttemplate/css/style.css" rel="stylesheet" type="text/css" />
```

Body classes die de weg wijzen

```
class PWTTemplateHelper
{
    static public function getBodySuffix()
    {
        $classes = array();
        $classes[] = 'option-' . self::getPageOption();
        $classes[] = 'view-' . self::getPageView();
        $classes[] = self::getPageLayout() ? 'layout-' . self::getPageLayout() : 'no-layout';
        $classes[] = self::getPageTask() ? 'task-' . self::getPageTask() : 'no-task';
        $classes[] = 'itemid-' . self::getItemId();
        $classes[] = self::getPageClass();
        $classes[] = self::isHome() ? 'path-home' : 'path-' . implode('-',
self::getPath('array'));
        $classes[] = 'home-' . (int) self::isHome();

        return implode(' ', $classes);
    }
}
```

Body classes die de weg wijzen

```
class PWTTemplateHelper
{
    static public function getBodySuffix()
    {
        $classes = array();
        $classes[] = 'option-' . self::getPageOption();
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        $classes[] = self::getPageLayout() ? 'layout-' . self::getPageLayout() : 'no-layout';
        $classes[] = self::getPageTask() ? 'task-' . self::getPageTask() : 'no-task';
        $classes[] = 'itemid-' . self::getItemId();
        $classes[] = self::getPageClass();
        $classes[] = self::isHome() ? 'path-home' : 'path-' . implode('-',
self::getPath('array'));
        $classes[] = 'home-' . (int) self::isHome();

        return implode(' ', $classes);
    }
}
```

Resulteert in

```
<body class="option-com-content view-category layout-blog no-task itemid-130 path-nieuws home-0">
```

Eigen Meta data toevoegen

- functies aanmaken in helper.php
- functies oproepen in index.php
- frontend verversen en bekijk het resultaat

Eigen Meta data toevoegen

helper.php

```
class PWTTemplateHelper
{
    static public function setGenerator($generator)
    {
        JFactory::getDocument()->setGenerator($generator);
    }

    static public function setMetadata()
    {
        $doc = JFactory::getDocument();

        $doc->setCharset('utf8');
        $doc->setMetaData('X-UA-Compatible', 'IE=edge', true);
        $doc->setMetaData('viewport', 'width=device-width, initial-scale=1.0');
    }

    static public function getSitename()
    {
        return JFactory::getConfig()->get('sitename');
    }
}
```

Eigen Meta data toevoegen

index.php

```
// Load Perfect Template Helper
require_once JPATH_THEMES . '/' . $this->template . '/helper.php';

PWTTemplateHelper::setMetadata();
PWTTemplateHelper::setGenerator(PWTTemplateHelper::getSitename());
```

Eigen Meta data toevoegen

het resultaat

```
<meta http-equiv="content-type" content="text/html; charset=utf-8" />  
<meta http-equiv="X-UA-Compatible" content="IE=edge" />  
<meta name="viewport" content="width=device-width, initial-scale=1.0" />  
<meta name="generator" content="Custom Management" />
```

Eigen Meta data toevoegen

het resultaat

```
<meta http-equiv="content-type" content="text/html; charset=utf-8" />  
<meta http-equiv="X-UA-Compatible" content="IE=edge" />  
<meta name="viewport" content="width=device-width, initial-scale=1.0" />  
<meta name="generator" content="Custom Management" />
```

Controle over de head

TIP 5 - gebruik JLayout(s)

JLayout?, nog even herhalen aub.

- manier om (klein stukje) weergave op te bouwen
- enkel layout bestand met specifieke output
- data variabel meesturen
- zit in `layouts/joomla`

Voordelen gebruik JLayout

- herbruikbaar door gehele site (template en extensies)
- aanpassingen één keer doorvoeren in plaats op diverse plekken
- niet langer copy/pasten van code in template overrides

Voordelen gebruik JLayout

- herbruikbaar door gehele site (template en extensies)
- aanpassingen één keer doorvoeren in plaats op diverse plekken
- niet langer copy/pasten van code in template overrides
- **herbruikbaar in verschillende projecten**

Eigen JLayouts functie

- `html/layouts/render.php`

```
class Jlayouts
{
    public static function render($type, $data = '')
    {
        $template = JFactory::getApplication()->getTemplate();
        $jlayout = new JLayoutFile($type, JPATH_THEMES . '/' . $template . '/html/layouts/templa
te');
        return $jlayout->render($data);
    }
}
```

Eigen JLayouts functie

- `html/layouts/render.php`

```
class Jlayouts
{
    public static function render($type, $data = '')
    {
        $template = JFactory::getApplication()->getTemplate();
        $jlayout = new JLayoutFile($type, JPATH_THEMES . '/' . $template . '/html/layouts/templa
te');
        return $jlayout->render($data);
    }
}
```

Zorgt er voor dat eigen JLayouts vanuit `html/layouts/template/` opgeroepen kunnen worden.

Eigen JLayouts voor datum notatie

toegepast in `html/categories/blog_item.php`

```
if ($params->get('show_publish_date')) :  
    echo JLayoutHelper::render('template.content.create_date', array('date' => $this->item->creat  
ed, 'format' => 'DATE_FORMAT_CC1'));  
endif;
```

vraagt om `html/layouts/template/content/create_date.php`

Eigen JLayouts voor datum notatie

toegepast in `html/categories/blog_item.php`

```
if ($params->get('show_publish_date')) :  
    echo JLayoutHelper::render('template.content.create_date', array('date' => $this->item->created, 'format' => 'DATE_FORMAT_CC1'));  
endif;
```

vraagt om `html/layouts/template/content/create_date.php`

Datum is taalstring

override in `language/overrides/nl-NL-override.ini`

```
DATE_FORMAT_CC1="F Y"
```

output: maand jaar

Eigen JLayouts - inhoud

- `html/layouts/template/content/create_date.php`

```
<?php
defined('JPATH_BASE') or die;

$date    = $displayData['date'];
$class   = isset($displayData['class']) ? $displayData['class'] : 'content';
$format  = JText::_($displayData['format']);

echo '<span class="' . $class . ' "__create">';
echo '<time datetime="' . JHtml::_('date', $date, 'c') . '" itemprop = "dateCreated" >';
echo JHtml::_('date', $date, $format);
echo '</time>';
echo '</span>';
```

Eigen JLayouts - inhoud

- `html/layouts/template/content/create_date.php`

```
<?php
defined('JPATH_BASE') or die;

$date   = $displayData['date'];
$class  = isset($displayData['class']) ? $displayData['class'] : 'content';
$format = JText::_($displayData['format']);

echo '<span class="' . $class . ' __create">';
echo '<time datetime="' . JHtml::_('date', $date, 'c') . '" itemprop = "dateCreated" >';
echo JHtml::_('date', $date, $format);
echo '</time>';
echo '</span>';
```

Resulteert in

```
<span class="content__create"><time datetime="2017-02-17T10:31:00+01:00" itemprop="dateCreated">februari 2017</time></span>
```

Eigen JLayouts - Google Maps

- `html/layouts/template/blocks/gmap.php`
- op te roepen via:

```
<?php echo Jlayouts::render('block-gmap'); ?>
```

Eigen JLayouts - Google Maps

Eigen JLayouts - Gmap

Bedankt!

Hans Kuijpers

@hans2103

