

The Gap Between Designers and Developers

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Agenda

1. About me
2. Developer vs. Designer
3. Theming in Drupal
4. Summary
5. Fragen und Bemerkungen



1. About me

About Prevision

Founded: 1995

Employees: 31 People, consisting of Developers, Designers, Consultants, Projectmanagers and Service Desk

Claim: Leading Media Solutions

Position in the market: Leading Web-service provider in the media and communication environment

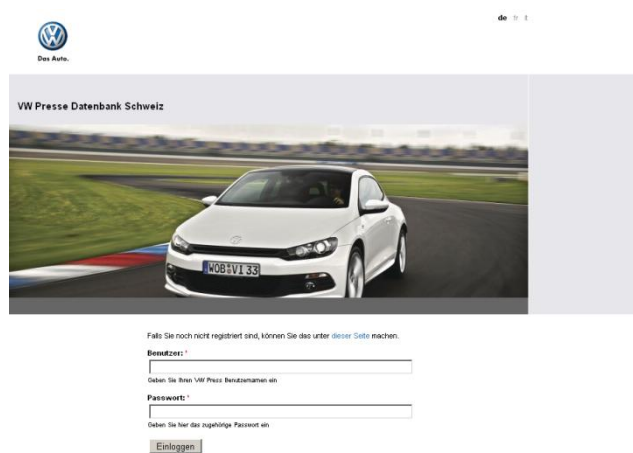


Some work



Niiu –
Personalisierte
Tageszeitung

www.niiu.de



AMAG Presse
Datenbank

www.vwpress.ch



Bolero Magazin

www.boleromagazin.ch



2. Developer vs Designer

The Developer

- Likes Code
- Works on Linux
- Talks PHP, .net or Pearl
- Likes good algorithms
- Is a nerd?!



The Designer

- Likes images and symbols
- Works on a Mac
- Talks Photoshop, CSS and HTML
- Likes exactness
- Is a nerd?!



Designer vs Developer vs Drupal

- Developer builds nice modules
- Developer install and configures modules
- Designer builds nice theme

Who takes care of template.php?



Goal for this presentation

- Explain some theming concepts beyond CSS
- Everybody (Designer or Developer) knows how to work with each other

Some classical tasks

- Cleaning/changing Markup
- Modify Form elements (for example Imagebutton)
- Add additional Body classes
- Modify \$link items (print, comment, attachments...)

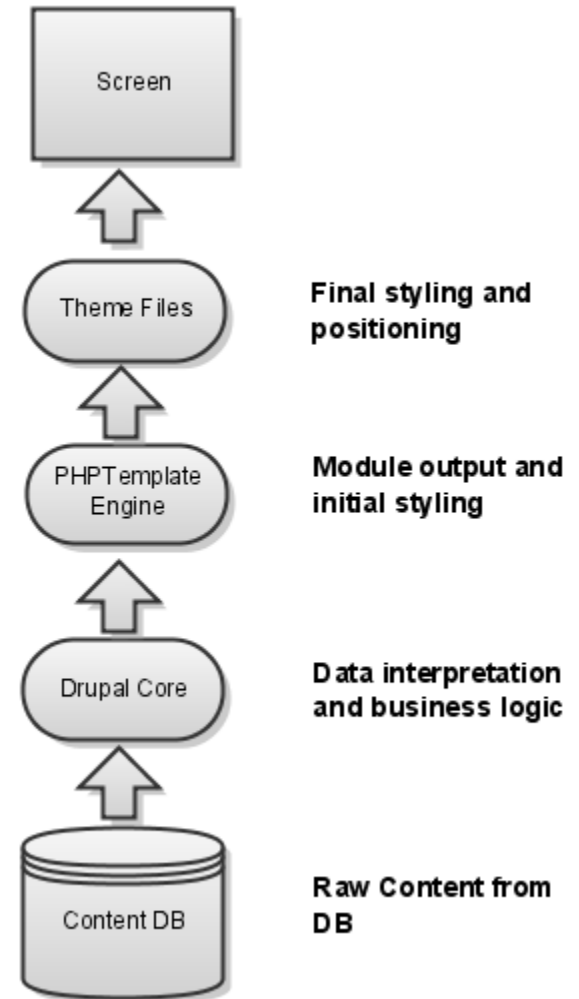
Who's responsibility?



3. Drupal Theming

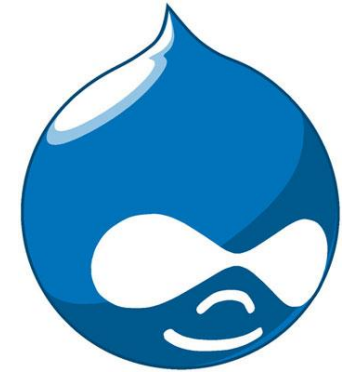
Drupal's Theming System

- Flexibel
- Modular
- **PHP Knowledge needed**



Example – Displaying an image

```
<?php  
  print '<img src= "druplicon.png" />';  
?>
```



No possibility to overwrite it!

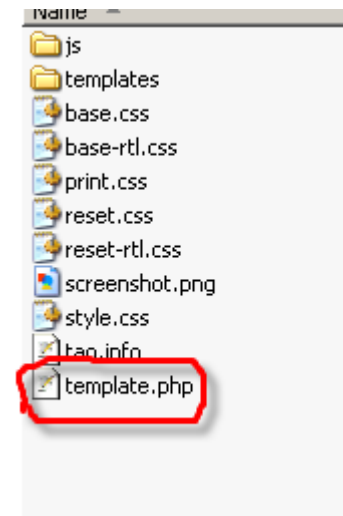
```
<?php  
  print theme('image', 'druplicon.png');  
?>
```



This is the Drupal way!

What's in for the Designer?

- You get a fixed HTML/CSS sample that needs to be drupalized. If markup is right, all the rest falls in place.
 - Modify Drupal markup to fit sample.



Overwriting the Theme function – template.php

```
<?php
function mytheme_image($path, $alt = '', $title = '', $attributes = NULL, $getsize = TRUE) {
    return '';
}
?>
simplified Version!!!!
```

Parameters

`$path` Either the path of the image file (relative to `base_path()`) or a full URL.

`$alt` The alternative text for text-based browsers.

`$title` The title text is displayed when the image is hovered in some popular browsers.

`$attributes` Associative array of attributes to be placed in the img tag.

`$getsize` If set to TRUE, the image's dimension are fetched and added as width/height attributes.

Return value

A string containing the image tag.

Related topics

[Default theme implementations](#) Functions and templates that present output to the user, and can be implemented by themes.

Code

includes/[theme.inc](#), line 1211

```
<?php
function theme_image($path, $alt = '', $title = '', $attributes = NULL, $getsize = TRUE) {
    if (!$getsize || (!is_file($path) && (!isset($width, $height, $type, $image_attributes) = @getimagesize($path)))) {
        $attributes = drupal_attributes($attributes);
        $url = (url($path) == $path) ? $path : (base_path() . $path);
        return '';
    }
}
?>
```

What theme Functions are there?

| Theme function | Description |
|-----------------------|-------------------------|
| theme_image | Create img markup |
| theme_item_list | ... |
| theme_comment_wrapper | Markup around a comment |
| theme_breadcrumb | Modify your breadcrumbs |

And some more ;)

The screenshot shows the Drupal API search interface. At the top, there is a blue header with the Drupal logo and the text "Drupal API". Below the header, the breadcrumb path "Home » API reference » theme.inc" is visible. A search bar titled "Search Drupal 6" contains the text "theme_" and a "Search" button. A dropdown menu is open, displaying a list of theme functions. The function "theme_feed_icon" is highlighted in blue. Other functions listed include theme_password, theme_username, theme_menu_tree, theme_node_list, theme_item_list, theme_more_link, theme_user_list, theme_node_form, theme_task_list, theme_menu_item, theme_textfield, theme_pager_link, theme_breadcrumb, theme_admin_page, theme_checkboxes, \$base_theme_info, and theme_pager_last.

Or the easy way... theme developer

The screenshot shows a Drupal blog post titled "Node mit Drupal laden und ändern". A red box highlights the text "Submitted by rapsli on Di, 11/17/2009 - 20:53". A developer console overlay is open, showing "Drupal Themer Information". It lists "Übergeordnete Begriffe: node.tpl.php < page.tpl.php" and "Aufgerufene Funktion: theme_node_submitted()". Below this, it shows "Candidate function names:" with "theme_node_submitted" selected. The console also displays "Dauer: 0.39 ms" and a return value of "(Array, 1 element)" containing "node (Object) stdClass".

Overwriting Themefunctions: Would be awesome if Designers Could actually read and slightly modify theme!

Preprocessing .tpl files

```
37 </head>
38
39 <body class="<?php print $body_classes; ?>" <?php print isset($body_id) ? "id='$body_id'" : '' ?>>
40 <a name="top"></a>
41
```

- For example to modifying body classes.
- Where is \$body_classes and \$body_id being built?

-> `template.php mytheme_preprocess_page(&$vars)`

<http://drupal.org/node/223430> -> naming conventions

preprocess_page(&\$vars)

- Show_blocks, Zebra, id, ... usw available in page.tpl.php as \$zebra, \$id, \$show_blocks

```
<?php
  $vars['body_class'] = 'special';
  $vars['body_id'] = time();
?>
```

... (Array, 48 elements)

template_files (Array, 3 elements)

0 (String, 9 characters) **page-node**

1 (String, 14 characters) **page-node-1666**

2 (String, 10 characters) **page-front**

content (String, 20804 characters) **<div id="node-1666" class="node node-pane**

show_blocks (Boolean) **TRUE**

show_messages (Boolean) **TRUE**

zebra (String, 3 characters) **odd**

id (Integer) **1**

directory (String, 34 characters) **sites/all/themes/evian_theme/evian**

is_admin (Boolean) **TRUE**



4. Summary

Developer & Designer

- Developer supports Designer and vice-versa!
- They work hand in hand





5. Questions Comments



Thanks a lot

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Form Manipulation

- `hook_form_alter()`
- Needs to be implemented in a module
- `theme_form_element()`

-> In order to have a totally customized theme, you'll need a module and a theme