

Intermediate Drupal 7 Theming



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<http://www.drupaleasy.com>

Drupal

Assumptions

- Copy/Paste PHP
- Configure Views
- Use Fields (CCK)
- Enough HTML and CSS to be Dangerous



Copy/Paste PHP

```
<?php if ($page['highlight']): ?>  
  <div id="highlight">  
    <?php print render($page['highlight']); ?>  
  </div>  
<?php endif; ?>
```



Functions & methods	
Name	Description
<code>theme_admin_block</code>	Returns HTML for an administrative block for display.
<code>theme_admin_block_content</code>	Returns HTML for the content of an administrative block.
<code>theme_admin_page</code>	Returns HTML for an administrative page.
<code>theme_aggregator_block_item</code>	Returns HTML for an individual feed item for display in the block.
<code>theme_aggregator_categorize_items</code>	Returns HTML for the aggregator page list form for assigning categories.
<code>theme_aggregator_feed_source</code>	Implemented using the <code>aggregator-feed-source.tpl.php</code> template.
<code>theme_aggregator_item</code>	Implemented using the <code>aggregator-item.tpl.php</code> template.
<code>theme_aggregator_page_opml</code>	Prints the OPML page for a feed.
<code>theme_aggregator_page_rss</code>	Prints the RSS page for a feed.
<code>theme_aggregator_summary_item</code>	Implemented using the <code>aggregator-summary-item.tpl.php</code> template.

api.drupal.org

Default Theme Implementations

Functions and templates for the user interface to be implemented by themes.

<http://bit.ly/d7theme>



Drupal Themer Information

Parents: `phptemplate_node_submitted` < `node.tpl.php` < `page.tpl.php`

Function called:
theme_username()

Candidate function names:
`minnelli_username` < `phptemplate_username` < `garland_username` < `theme_username`

Duration: 0.6 ms

Function Arguments

... (Array, 1 element)

- 0 (Object) stdClass
 - `nid` (String, 2 characters) 25
 - `type` (String, 5 characters) story
 - `language` (String, 2 characters) en

Drupal Themer Information

Parents: `node.tpl.php` < `page.tpl.php`

Function called:
theme_links()

Candidate function names:
`minnelli_links` < `phptemplate_links` < `garland_links` < `theme_links`

Duration: 2.62 ms

Function Arguments

... (Array, 2 elements)

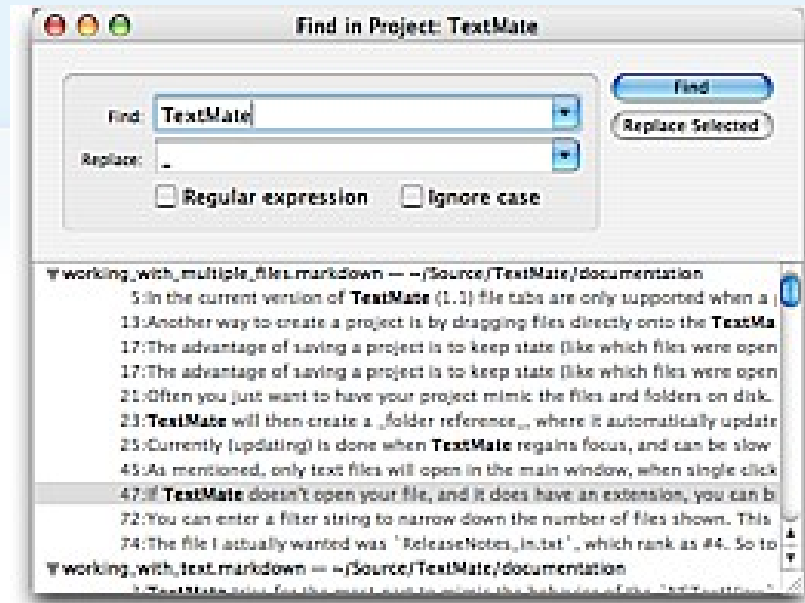
- 0 (Array, 3 elements)
 - `taxonomy_term_32` (Array, 3 elements)
 - `title` (String, 5 characters) croca
 - `href` (String, 16 characters) taxonomy/term/32
 - `attributes` (Array, 2 elements)
 - `rel` (String, 3 characters) tag
 - `title` (String, 20 characters) description of croca
 - `taxonomy_term_21` (Array, 3 elements)
 - `taxonomy_term_51` (Array, 3 elements)

drupal.org/project/devel_themer

Theme Developer Module

“Firebug for Drupal themeing.”
 Enable it when needed,
 and disable it afterwards.





macromates.com

TextMate

“The Missing Editor for Mac OSX”

“Find in Project” saves my life daily

See also: Smultron, KOD, TextWrangler, Coda



Drupal

```
40 import java.awt.image.IndexColorModel;
41 import java.awt.image.ColorModel;
42 import java.awt.image.MemoryImageSource;
43 import java.awt.event.*;
44
45 /** The representation of a Chemical .xyz model */
46 class XYZChemModel {
47     float vert[];
48     Atom atoms[];
49     int tvert[];
50     int zsortMap[];
51     int nvert, maxvert;
52
53     static Hashtable atonTable = new Hashtable();
54     static Atom defaultAtom;
55     static {
56         atonTable.put("c", new Atom(0, 0, 0));
57         atonTable.put("h", new Atom(210, 210, 210));
58         atonTable.put("n", new Atom(0, 0, 255));
59         atonTable.put("o", new Atom(255, 0, 0));
60     }
61 }
```

crimsoneditor.com

Crimson

“The Professional Source Editor”

Also: e-texteditor, UltraEdit, Notepad++, InType, ConTEXT

Visual Web Developer Express



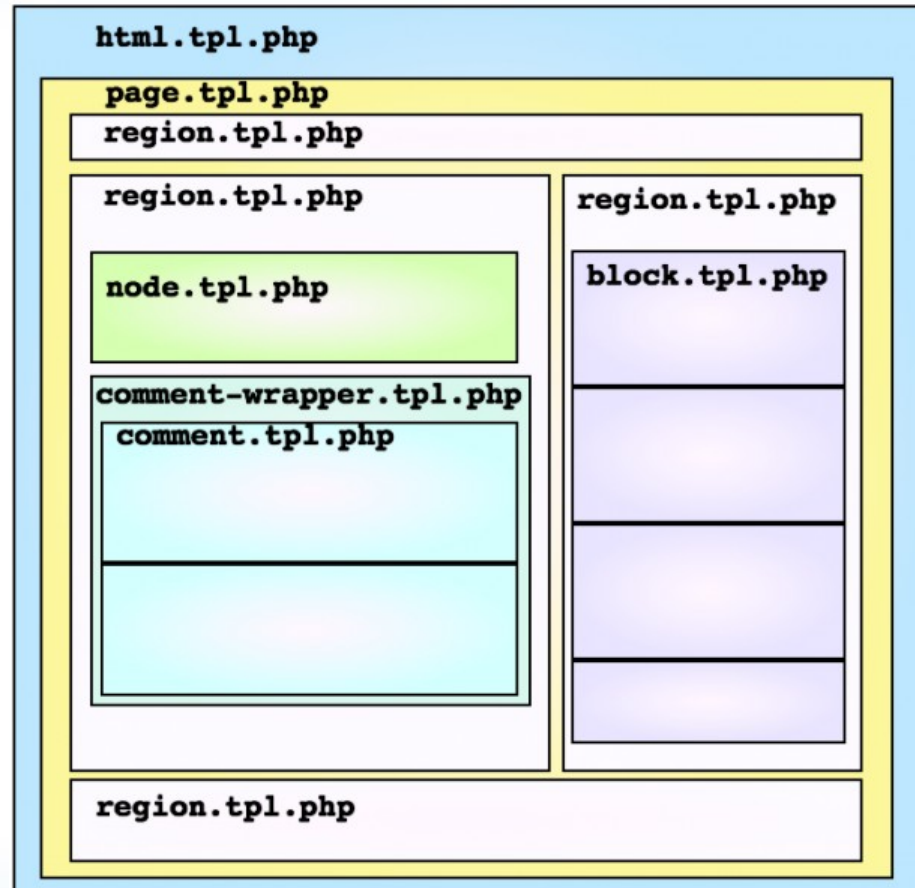
Drupal

Drupal 7 Theming

- Template-driven (.tpl.php)
 - **HTML** – *open <HTML> and <HEAD>*
 - **Page** – *Regions, Layout, Special Variables*
 - *site_name, logo, main_menu, tabs*
 - **Region** – *Blocks, including Main Content*
 - **Block** – *almost everything*
 - **Node** – *on node pages, views*
 - **Field** – *markup for each field*
- Clear the theme registry (cache)!



Template Nesting



html.tpl.php

```
32 * @see template_preprocess()
33 * @see template_preprocess_html()
34 * @see template_process()
35 */
36 ?<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RdFa 1.0//EN"
37 "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">
38 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="<?php print
... $language->language; ?>" version="XHTML+RdFa 1.0" dir="<?php print
... $language->dir; ?>"
39 <?php print $rdf_namespaces; ?>>
40 <?php print $rdf_namespaces; ?>>
41 <head profile="<?php print $grddl_profile; ?>">
42 <?php print $head; ?>
43 <title><?php print $head_title; ?></title>
44 <?php print $styles; ?>
45 <?php print $scripts; ?>
46 </head>
47 <body class="<?php print $classes; ?>" <?php print $attributes;?>>
48 <div id="skip-link">
49 <a href="#main-content"><?php print t('Skip to main content'); ?></a>
50 </div>
51 <?php print $page_top; ?>
52 <?php print $page; ?>
53 <?php print $page_bottom; ?>
54 </body>
55 </html>
56
```

OMG!!!

DOCTYPE

<head> stuff

<body> container

page.tpl.php is called here

Page closing



Template Naming Suggestions

- More Complicated, More Powerful
- Node
 - node--blog.tpl.php
 - node--1.tpl.php
 - node--%--edit.tpl.php
- Page
 - page--front.tpl.php
 - page--views.tpl.php
- Clear the theme registry (cache)!



Theme Hook Suggestions

- `theme('hook__foo__bar', $vars)`
 - 'hook__foo__bar'
 - 'hook_foo'
 - 'hook'
- `hook_theme()` got more powerful
 - You can now add new suggestions
 - http://api.drupal.org/hook_theme



Theme Hook Suggestions

```
function bartik_preprocess_page(&$vars, $hook) {  
  $vars['theme_hook_suggestions'][] = 'page__blog';  
}
```



Views 3 Theming

- Some of “Semantic Views” is now included
 - Wrap entire field, label and value
 - Classes custom on just about everything
- Template-driven
 - **Display** – entire view (header, footer, paging, ...)
 - **Style** – how rows are laid out (rows, grid, ...)
 - **Row** – how each row is laid out
 - **Field** – how each field is laid out
- Theme: Information is your friend
- Consistent template naming with Core (-- vs. -)



CCK Theming

- (Mostly) Template-driven
- override node.tpl.php



Template.php preprocess functions

- Create/modify a variable for a template.



Overriding Theme Functions

- Theme developer module
- theme() function
- theme_ > phptemplate_ > themename_



More Info

- <http://pingv.com/blog/a-peek-at-drupal-7-theme-sys>
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