

What's new in Drupal 7 Theming

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Core themes massacre

They are no longer with us*

- Bluemarine
- Pushbutton
- Chameleon

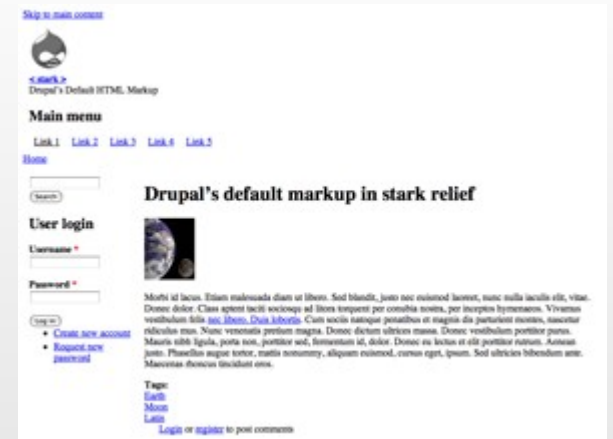
* they live in contrib

FYI Garland survived

New kids on the block

Stark

- for demonstration purposes
- a troubleshooting tool
- using default HTML markup
- simple layout.css



New kids on the block

Bartik

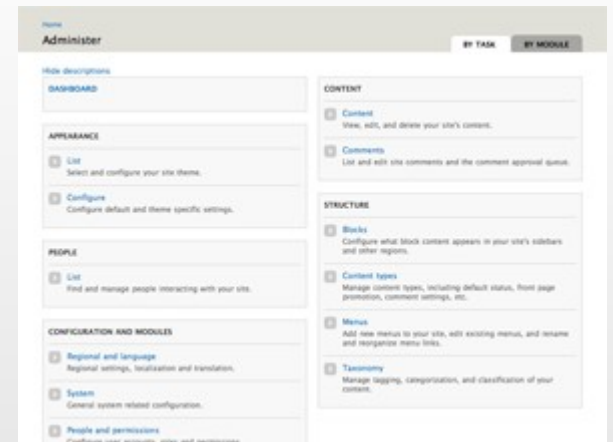
- Default D7 theme
- recolorable
- many regions
- Designed for content



New kids on the block

Seven

- administration theme
- result of D7UX
- designed by
Mark Boulton & Leisa Reichelt



Little big changes

CSS

- `.clear-block` → `.clearfix`
- new classes for accessibility
 - `.element-hidden`
 - `.element-invisible`
- `default.css` merged with `system.css`
- new stylesheet `system-behavior.css`
- conditional stylesheets

```
function garland_preprocess_html (&$vars) {  
  drupal_add_css(path_to_theme() . '/fix-ie.css', array('weight' =>  
CSS_THEME, 'browsers' => array('IE' => 'lt IE 7', '!IE' => FALSE),  
'preprocess' => FALSE));  
}
```

Theme anatomy

.info

No automatic
loading for:
scripts.js
styles.css

html.tpl.php



Single file with
headers and
wrappers

html.tpl.php

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN"
    "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="<?php print
    $language->language; ?>" version="XHTML+RDFa 1.0" dir="<?php print
    $language->dir; ?>"<?php print $rdf_namespaces; ?>>
<head profile="<?php print $grddl_profile; ?>">
    <?php print $head; ?>
    <title><?php print $head_title; ?></title>
    <?php print $styles; ?>
    <?php print $scripts; ?>
</head>
<body class="<?php print $classes; ?>" <?php print $attributes;?>>
    <div id="skip-link">
        <a href="#main-content"><?php print t('Skip to main content');
    ?></a>
    </div>
    <?php print $page_top; ?>
    <?php print $page; ?>
    <?php print $page_bottom; ?>
</body>
</html>
```

Common \$classes variable that is being used everywhere, \$attributes as well

Skip link for better accessibility
New region \$page_top (scope)
Rendered page in \$page
\$page_bottom replacing \$closure

page.tpl.php



No headers

regions

\$missions variable removed

- → regions[highlighted] = Highlighted

\$footer_message variable removed

- → regions[footer] = Footer

\$content no longer as output

- → region and is required

regions

hidden regions

- `$page_top`, `$page_bottom`
- custom hidden region needs to be specified in `.info`:
 - `regions[indicators] = Indicators`
 - `regions_hidden[] = indicators`
- Not displayed in blocks UI
- Modules adds blocks directly into these regions

regions

sidebars

- `$left region` → `$sidebar_first`
- `$right` → `$sidebar_second`

help

- `$help` → `region`

regions

region.tpl.php

```
<?php if ($content) : ?>  
    <div class="<?php print $classes; ?>">  
        <?php print $content; ?>  
    </div>  
<?php endif; ?>
```

blocks

Meaningful classes

- block-user-0 → block-user-login
- block-search-0 → block-search-form

New blocks

- \$search_box → block
- \$content → block
- \$help → block

blocks

blocks.tpl.php

```
<div id="<?php print $block_html_id; ?>" class="<?php  
print $classes; ?>"<?php print $attributes; ?>>  
    <?php print render($title_prefix); ?>  
<?php if ($block->subject): ?>  
    <h2<?php print $title_attributes; ?>><?php print  
$block->subject ?></h2>  
<?php endif; ?>  
    <?php print render($title_suffix); ?>  
    <div class="content"<?php print $content_attributes;  
?>>  
        <?php print $content ?>  
    </div>  
</div>
```

rendering

New delivery callback

`drupal_render`

- `render()`
- `hide()`
- `show()`

process & preprocess

- after preprocess we have post processing function
- both functions available for tpl.php and for theme functions

```
function bartik_process_html (&$variables) {  
    // Hook into color.module.  
    if (module_exists('color')) {  
        _color_html_alter($variables);  
    }  
}
```

hook_alter

We can use `_alter` hooks in `template.php`

- `hook_form_alter`
- `hook_css_alter`
- `hook_xxx_alter`
- `hook_page_alter`

hook_page_alter

- demo

PHPtemplate suggestions

- `node-%.tpl.php`
- `node-edit.tpl.php`, etc...
- No need to have `node.tpl.php` in your theme
- Using two dashes
- `node--article.tpl.php`
- `page--frontpage.tpl.php`

worth mentioning

- Primary and secondary links are now Main and Secondary menu
- All theme() functions now take a single argument, \$variables
- new suggestions, specific menu items
 - THEMENAME_menu_link__MENU_NAME()
 - THEMENAME_menu_tree__MENU_NAME()