

Preprocess Functions

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Preprocess Functions

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pingVISIONTM

Audience?

- Themer? Developer? Other?

Dictionary Definition

- “The main role of the preprocessor is to setup variables to be placed within templates files.” <http://drupal.org/node/223430>

hook_theme

modules/node/node.module

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```
function node_theme() {  
  return array(  
    'node' => array(  
      'arguments' => array('node' => NULL, 'teaser' => FALSE, 'page' => FALSE),  
      'template' => 'node',  
    ),  
    // ... ..  
    'node_submitted' => array(  
      'arguments' => array('node' => NULL),  
    ),  
  );  
}
```

page.tpl.php

```
... ..  
<div id="content">  
  <?php if (!empty($title)): ?>  
    <h1 class="title" id="page-title"><?php print $title; ?></h1>  
  <?php endif; ?>  
  <?php if (!empty($tabs)): ?>  
    <div class="tabs"><?php print $tabs; ?></div>  
  <?php endif; ?>  
  <?php if (!empty($messages)): print $messages; endif; ?>  
  <?php if (!empty($help)): print $help; endif; ?>  
  <div id="content-content" class="clear-block">  
    <?php print $content; ?>  
  </div> <!-- /content-content -->  
  <?php print $feed_icons; ?>  
</div> <!-- /content -->  
... ..
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```

template_preprocess_page()

```
$vars['feed_icons'] = drupal_get_feeds();
$vars['help']       = theme('help');
$vars['messages']  = $vars['show_messages'] ? theme('status_messages') : '';
$vars['tabs']      = theme('menu_local_tasks');
$vars['title']     = drupal_get_title();
```

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```

includes/theme.inc

```
function template_preprocess_page(&$variables) {

  // ... ..

  $variables['breadcrumb']      = theme('breadcrumb', drupal_get_breadcrumb());
  $variables['feed_icons']      = drupal_get_feeds();
  $variables['footer_message']  = filter_xss_admin(variable_get('site_footer', FALSE));
  $variables['head']            = drupal_get_html_head();
  $variables['help']            = theme('help');
  $variables['language']        = $GLOBALS['language'];
  $variables['language']->dir    = $GLOBALS['language']->direction ? 'rtl' : 'ltr';
  $variables['logo']            = theme_get_setting('logo');
  $variables['messages']        = $variables['show_messages'] ? theme('status_messages') : '';
  $variables['mission']         = isset($mission) ? $mission : '';
  $variables['primary_links']    = theme_get_setting('toggle_primary_links') ? menu_primary_links() : array();
  $variables['secondary_links'] = theme_get_setting('toggle_secondary_links') ? menu_secondary_links() : array();
  $variables['search_box']       = (theme_get_setting('toggle_search') ? drupal_get_form('search_theme_form') : '');
  $variables['site_name']        = (theme_get_setting('toggle_name') ? variable_get('site_name', 'Drupal') : '');
  $variables['site_slogan']      = (theme_get_setting('toggle_slogan') ? variable_get('site_slogan', '') : '');
  $variables['css']              = drupal_add_css();
  $variables['styles']           = drupal_get_css();
  $variables['scripts']          = drupal_get_js();
  $variables['tabs']             = theme('menu_local_tasks');
  $variables['title']            = drupal_get_title();

  // ... ..

}
```

in preprocess functions

Each element of the \$vars array becomes a variable available within the associated template file(s)

Order of execution

core

```
template_preprocess()  
template_preprocess_$hook()
```

modules

```
$modulename_preprocess()  
$modulename_preprocess_$hook()
```

theme engine

```
phptemplate_preprocess()  
phptemplate_preprocess_$hook()
```

theme

```
$theme_preprocess()  
$theme_preprocess_$hook()
```

example

Preprocessor

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- Another purpose is to specify which templates files are to be called.

```
$vars['template_files']
```

Gotcha

- **Security!**
`check_plain()` `check_markup()`