



WordPress

Build a WordPress theme from HTML5 template

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- 1. What is WordPress and WP Themes?**
- 2. Few words about WordPress theme development process**
- 3. Useful plugins and tactics**
- 4. Actual work**
- 5. Wrapping up**

- 1. Super mega powerful!**
 - **(surprise, surprise)** ☺
- 2. More than 70 000 000 websites online**
- 3. Tens of thousands of themes and plugins (both free and premium)**
- 4. Ready for eCommerce, Groupon, Q&A, forum, social network, ticketing system and many more**

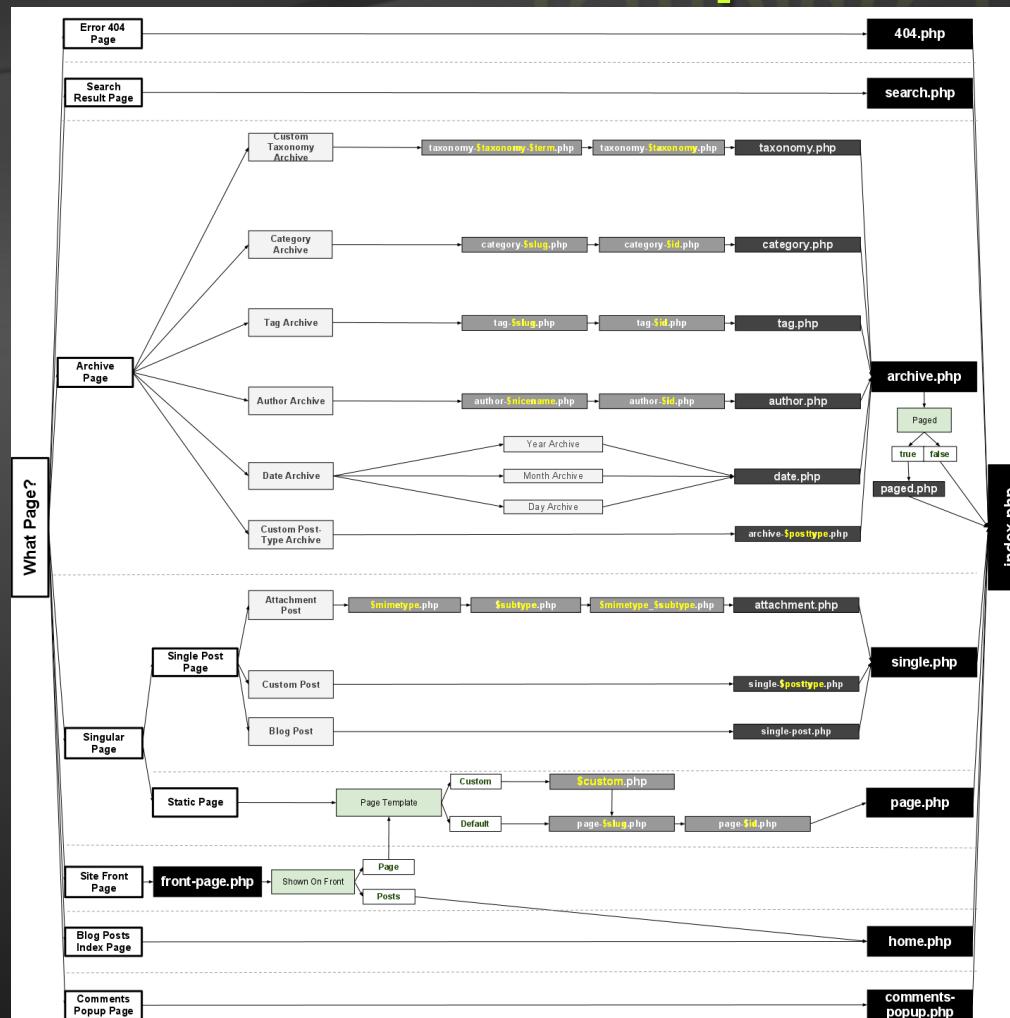
Theme Development

1. WordPress Themes:

- files that work together to create the design and functionality of a WordPress site
- each Theme may be different and offering many choices for site owners

2. http://codex.wordpress.org/Theme_Development

Template Hierarchy



http://codex.wordpress.org/images/1/18/Template_Hierarchy.png

1. http://codex.wordpress.org/Theme_Unit_Test
2. Why they are important?
3. Why we have to use them?

What's the best way of building my theme?

1. Follow the flow from Theme Development page:

- DEBUG TRUE
- Template File Checklist
- Theme Unit Test
- Validating a Website
- Theme Review

1. `error_reporting(E_ALL);`
2. `ini_set('display_errors', 'yes');`

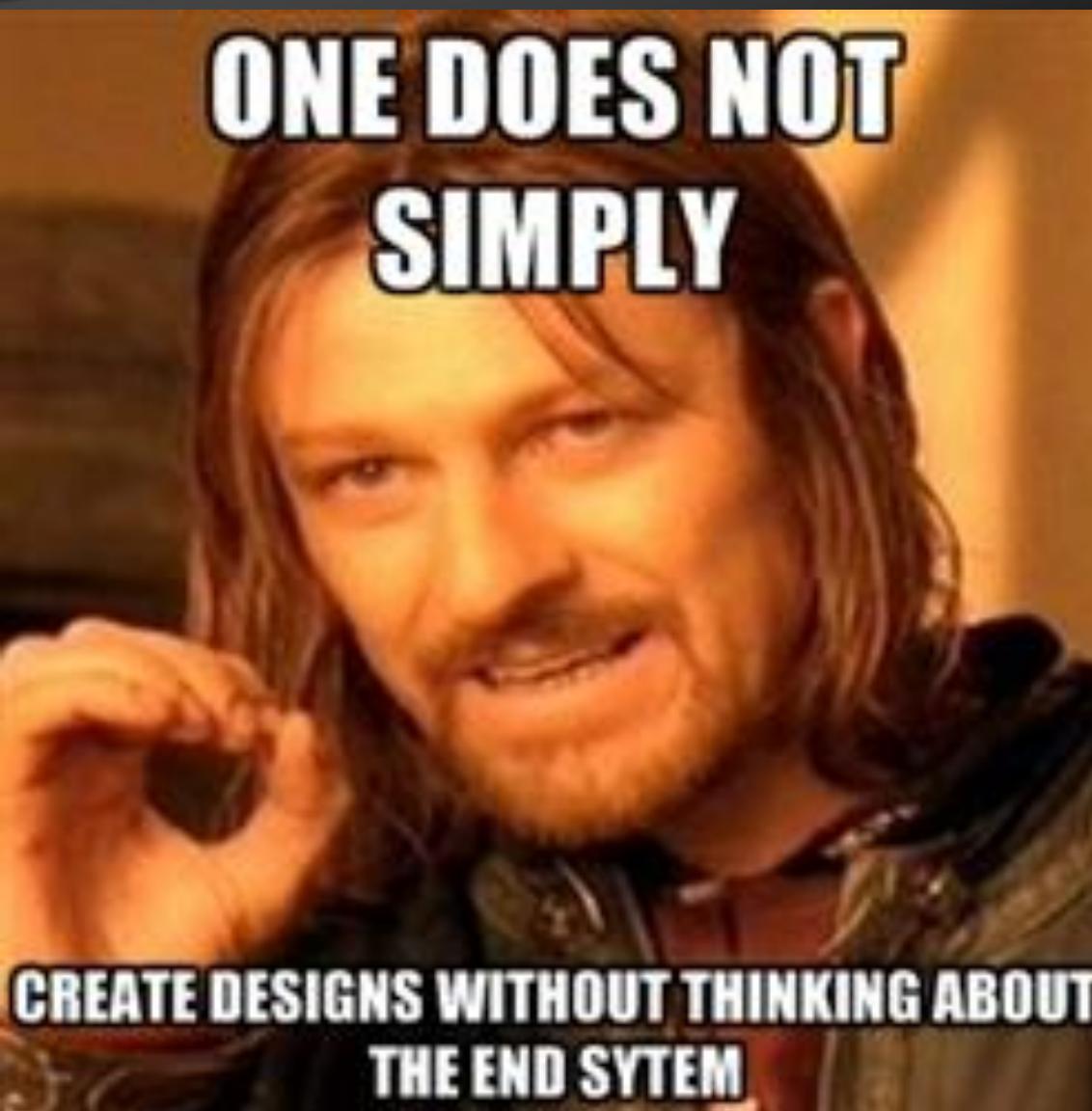
1. Theme Check
2. Debug Bar
3. Log Deprecated Notices
4. Debogger
5. Theme Mentor
6. Monster Widget
7. Developer
8. Regenerate Thumbnails
9. WordPress Beta Tester

1. “A simple and easy way to test your theme for all the latest WordPress standards and practices. A great theme development tool!”
2. <http://wordpress.org/extend/plugins/theme-check/>

1. Cousin of the Theme Check
2. <http://wordpress.org/extend/plugins/theme-mentor/>
3. Open to contributions



Integrating HTML5 template into a WP theme



ONE DOES NOT
SIMPLY

CREATE DESIGNS WITHOUT THINKING ABOUT
THE END SYSTEM

Important notices

1. A PSD is not:

- a brochure
- a calendar
- a wallpaper / magazine cover / whatever

2. Site design should work with:

- different content (thousands of pages)
- different resolutions / browsers / operating systems / platforms

- 1. Every CMS has it's own specifics and expectations in terms of markup**
- 2. It's best to know the system in depth in order to draw the appropriate design and slice it properly**

WordPress

C'mon, let's integrate!



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June 10, 2010
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This website template has several pages: [Web Site Template](#) (with Article page), [Contact us](#) (note that contact us form - doesn't work), [Site Map](#).

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1. Make sure that:

- Code is valid and understandable
- Code is reusable
- Template markup seems WP-compatible

2. Note: some PHP knowledge is required

1. **Setup development environment – XAMPP, LAMP/WAMP/MAMP**
2. **Create a database for the new install**
3. **Install WordPress**
 - http://codex.wordpress.org/Installing_WordPress
4. **Create theme folder in WP-installation/wp-content/themes/name-of-our-theme**

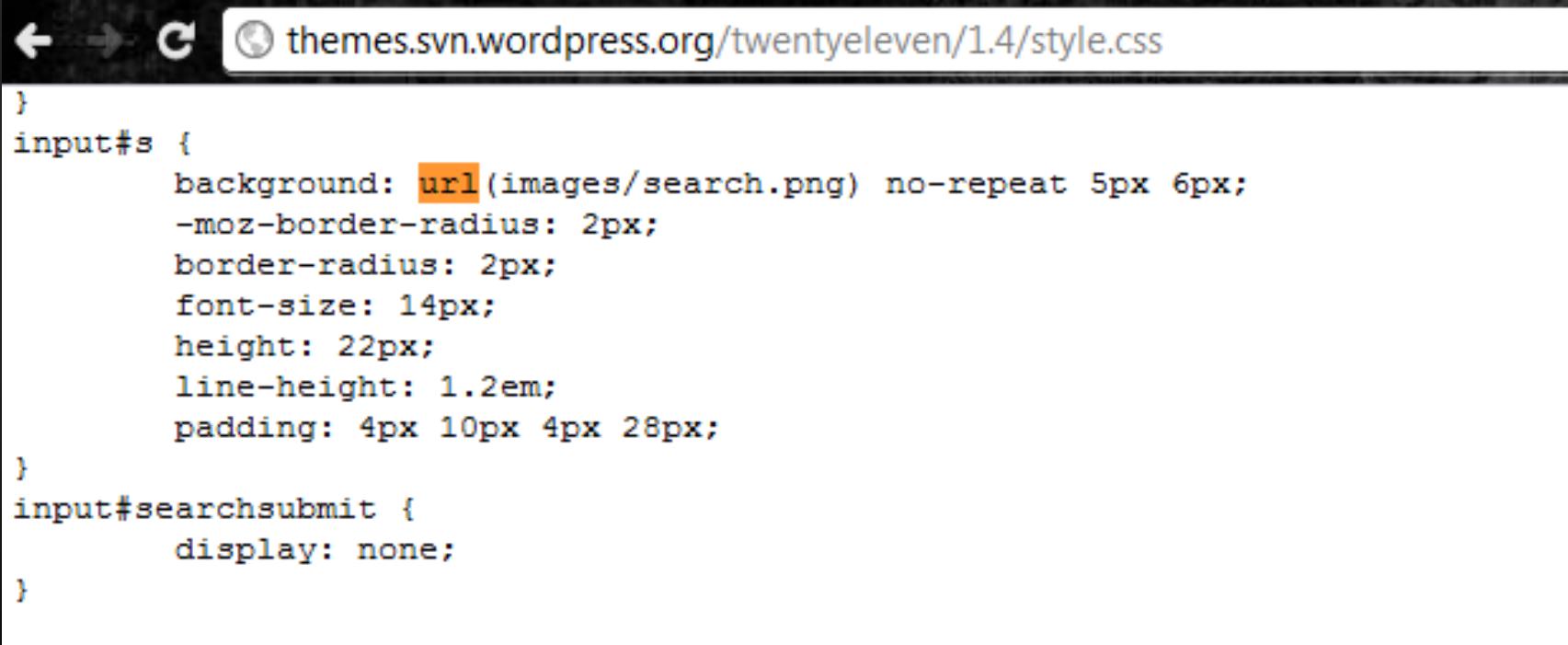
1. Create *style.css*, *index.php*, *header.php*, *sidebar.php* and *footer.php* files
2. Activate our theme and our website should be empty white page. For now...

1. Copy-paste the content from original template to these files
2. Still our website will be white (empty)
3. Paste what was left in our original template to the *index.php* and we should see the content. Still rough, but he is there

Step 4 - style.css

- ◆ `/*`
- ◆ ***Theme Name: Students Telerik Demo***
- ◆ ***Theme URL: http://example.com***
- ◆ ***Author: DevriX***
- ◆ ***Author URL: http://devrix.com/***
- ◆ ***Description:***
- ◆ ***Version: 0.1.0***
- ◆ ***License: GNU General Public License v2 or later***
- ◆ ***License URL: http://www.gnu.org/licenses/gpl-2.0.html***
- ◆ `*/`

- ◆ Fix all static image paths in the style.css file



```
}

input#s {
    background: url(images/search.png) no-repeat 5px 6px;
    -moz-border-radius: 2px;
    border-radius: 2px;
    font-size: 14px;
    height: 22px;
    line-height: 1.2em;
    padding: 4px 10px 4px 28px;
}
input#searchsubmit {
    display: none;
}
```

- ◆ Organize images in images/ folder

1. Fix styles path
2. Something like this:

```
6 <link rel="stylesheet" type="text/css" media="all"
7   href="<?php bloginfo( 'stylesheet_url' ); ?>" />
8 
```

3. Add other styles/js if there are any

1. Now, we have all images, text, styles, etc, but all these elements are static. We have to write some code and make theme editable and dynamic
2. Change all static information in *header.php* `<head>` tag:
 - site title
 - description
 - others

1. Move content from *index.php* to *home.php* or *front-page.php* if you want to create a landing page
2. Edit *index.php*
3. Get content from other page(not index page) and place the code in *index.php*
4. Now we have landing page with content from "Home" and if we go to some inner page, we will see the content from inner pages

1. Delete static content

2. Edit *index.php*:

- remove all content and add

```
72  
73  <?php if(have_posts()):  
74      while(have_posts()):  
75          the_post(); ?>  
76
```

3. Create a *Blog.php* file, which will be used for Blog Templates and use *WP_Query* to display all posts

- ◆ Use predefined tags, such as:
 - ◆ `the_title()`
 - ◆ `the_content()`
 - ◆ `the_permalink()`
 - ◆ They work in a loop
 - ◆ A single post view is like an array with 1 element

◆ Define sidebar

 codex.wordpress.org/Function_Reference/register_sidebar

Example

This will create a sidebar named "RightSideBar" with <h1> and </h1> before and after the title:

```
register_sidebar(array(
    'name' => __( 'Right Hand Sidebar' ),
    'id' => 'right-sidebar',
    'description' => __( 'Widgets in this area will be shown on the right-hand side.' ),
    'before_title' => '<h1>',
    'after_title' => '</h1>'
));
```

◆ Add sidebar to a page

```
<div class="sidebar">
<?php if(!dynamic_sidebar('right-sidebar')): ?>
<div class="subnav">
<h5>Navigation</h5>
<ul>
<li><a href="#">Link</a></li>
<li><a href="#">Link</a>
<ul>
<li><a href="#">Sub Link</a></li>
<li><a href="#">Sub Link</a></li>
</ul>
</li>
</ul>
</div>
<?php endif; ?>
</div>
```

◆ Define menu

```
001 | if ( function_exists('register_nav_menu') ) {  
002 | register_nav_menu(  
003 | array(  
004 | 'top-menu' => ___('brand new menu'), ) );  
005 | }
```

- ◆ Call it a few times or use register_nav_menus for several menus

- ◆ Add the menu to a block in the markup

```
001 wp_nav_menu(array(  
002   'theme_location' => 'top-menu',  
003   'menu' =>,  
004   'container' => 'div',  
005   'container_class' => 'menu-{menu slug}-container',  
006   'container_id' =>,  
007   'menu-class' => 'menu',  
008   'menu_id' =>,  
009   'echo' => true,  
010   'fallback_cb' => 'wp_page_menu',  
011   'before' =>,  
012   'after' =>,  
013   'link_before' =>,  
014   'link_after' =>,  
015   'items_wrap' => '<ul id="%1$s" class=""%2$s">%3$s</ul>',  
016   'depth' => 0,  
017   'walker' =>  
018 ) );
```

- ◆ **theme_location** is sufficient

- ◆ Call `comment_form()` or `comments_template(...)`:

```
84  
85      <?php comments_template('', true); ?>  
86  
87      <?php // comment_form(); ?>  
88
```

◆ Enjoy! ☺



- ◆ Once you're ready with the theme, you could:
 - ◆ Add some complex plugins for more functionality
 - ◆ Integrate some APIs to social networks or remote services
 - ◆ Work on the next theme of yours

Recommended Plugins

- ◆ Types and Views
- ◆ WPML
- ◆ WooCommerce
- ◆ BuddyPress
- ◆ S2Member
- ◆ Contact Form 7 / Gravity Forms
- ◆ Free and Paid

Want to be a WP theme ninja?

- ◆ Check out Theme Reviewers Team guides:
 - ◆ [Theme Review](#)
 - ◆ [Theme Unit Test](#)
 - ◆ [WPTRT page](#)
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