STANDARDI KODIRANJA U WORDPRESSU

by Denis Žoljom

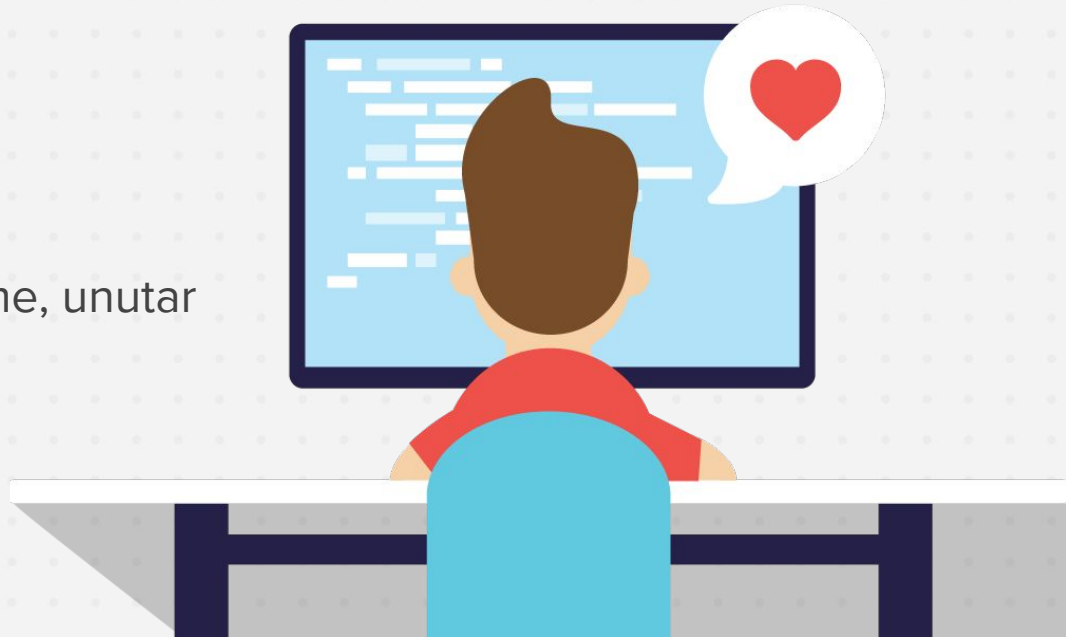
ŠTO SU STANDARDI KODIRANJA?

Smjernice, preporuka pisanja koda za određeni programski jezik.

Struktura datoteka i direktorija.

Indentacija, **komentari**, **prakse**.

Globalna i lokalna (npr. unutar firme, unutar libraryja etc.)



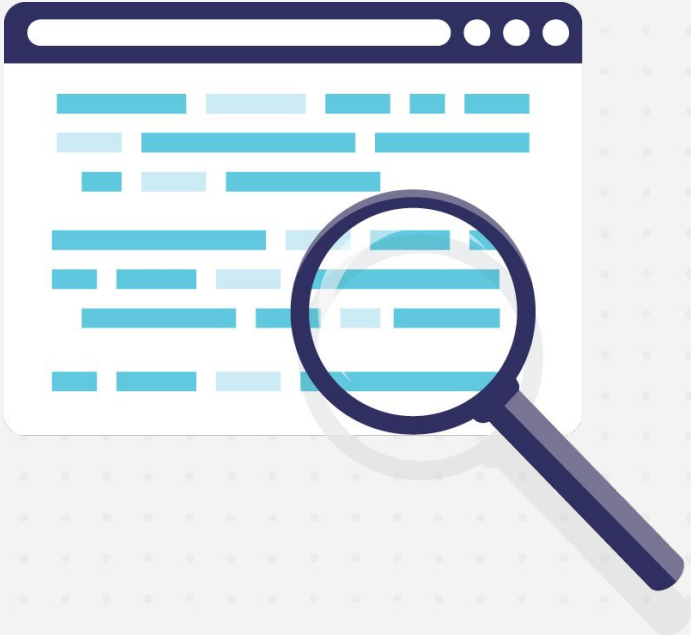
ČEMU SLUŽE?

Jednostavnije održavanje

Bolja preglednost

Uniformnost velikih projekata (poput WordPressa)

Lakši *code review*



PRIMJER KAKO NE KODIRATI

Real programmers don't comment their code. If it was hard to write, it should be hard to understand.

Tom Van Vleck

WP STANDARDI KODIRANJA

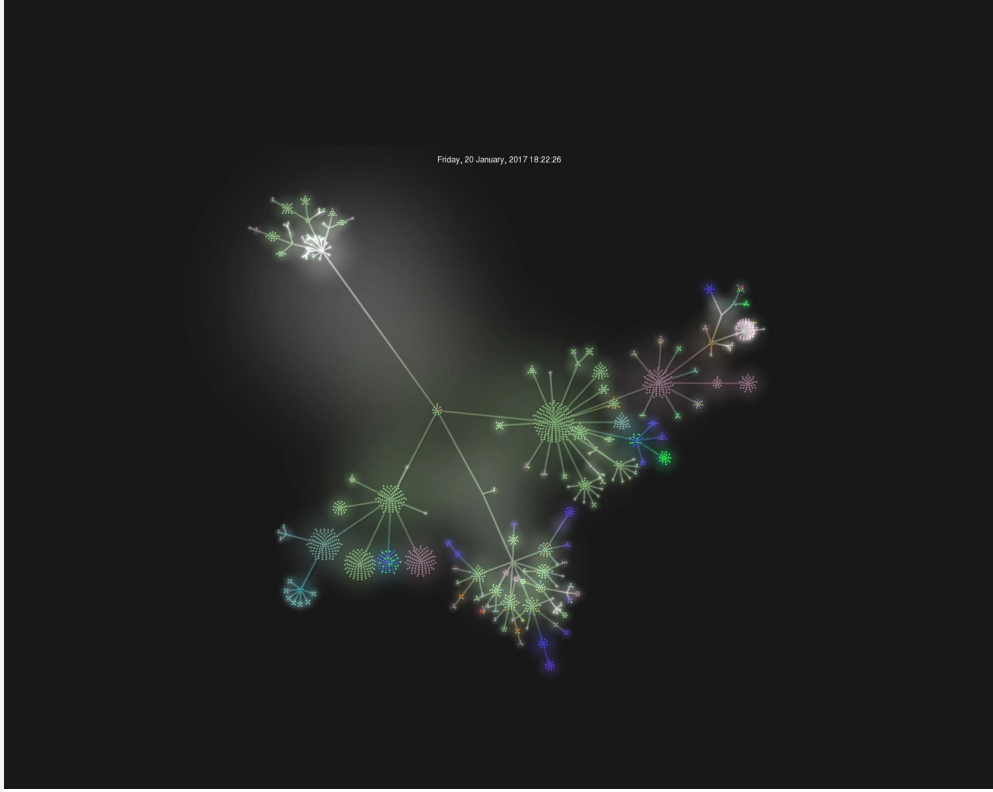
WordPress je golem sustav

PHP standardi

JavaScript standardi

HTML i CSS standardi

WordPress Handbook



Visually seeing the history of WordPress by Jose Castaneda
https://www.youtube.com/watch?v=DbmW3aGVdVE

PRIMJERI - PHP

```
if(conditionName == true){
    action1();
}else if(condition2 && !condition3){
    action2();
}else{
    echo $var;
}

<? ... ?>
```

Nema razmaka, korištenje *else if* umjesto *elseif*, nije sanitizirano, ‘kratki’ php tagovi, korištenje camelCase-a, korištenje slabe jednakosti...

```
if ( true === condition_name ) {
    action1();
} elseif ( condition2 && ! condition3 ) {
    action2();
} else {
    echo esc_html( $var );
}

<?php ... ?>
```

Slični Pear standardima

JAVASCRIPT

```
var map = { car:9,
    “you are”:15, my_key:2
};

var k;
var m;
var length;
var value = “WordPress”;

var my_array = new Array();
```

Dvostruki navodnici, loša indentacija, deklaracije varijabli na zasebnim linijama, za razliku od php-a koristi se camelCase

```
var map = {
    car: 9,
    ‘you are’: 15,
    myKey: 2
};

var k, m, length,
    value = ‘WordPress’;

var myArray = [];
```

Adaptirani prema jQuery JavaScript Style Guideu

HTML & CSS

Tabovi se koriste za indentaciju

Svaki selektor je u svom redu

Izbjegavati prekvalifikaciju selektora (div#my-container)

Koristiti lintere, autoprefixer i slične alate

HTML treba biti validan i pravilno indentiran

AUTOMATIZACIJA

Kako provjeriti da li kodirate po standardima?

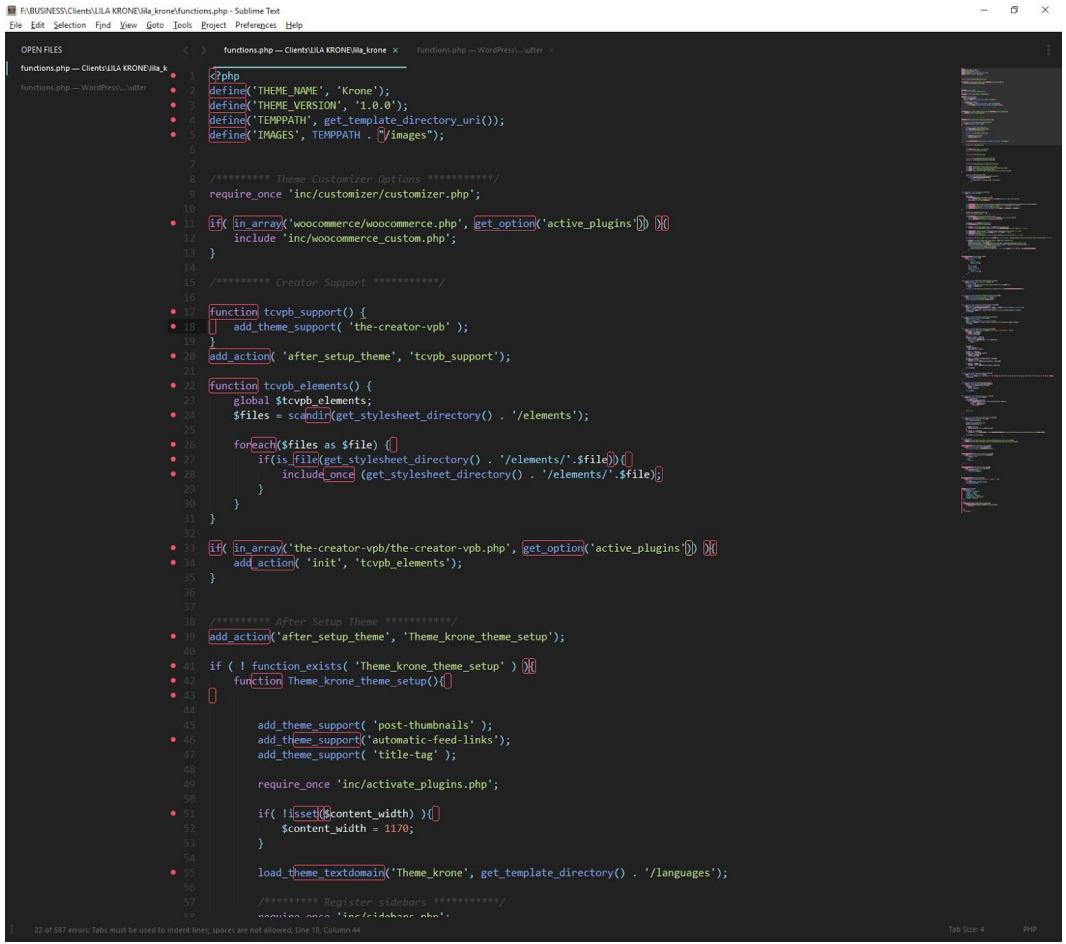
Ručno? Ain’t no body got time for that

Theme Check

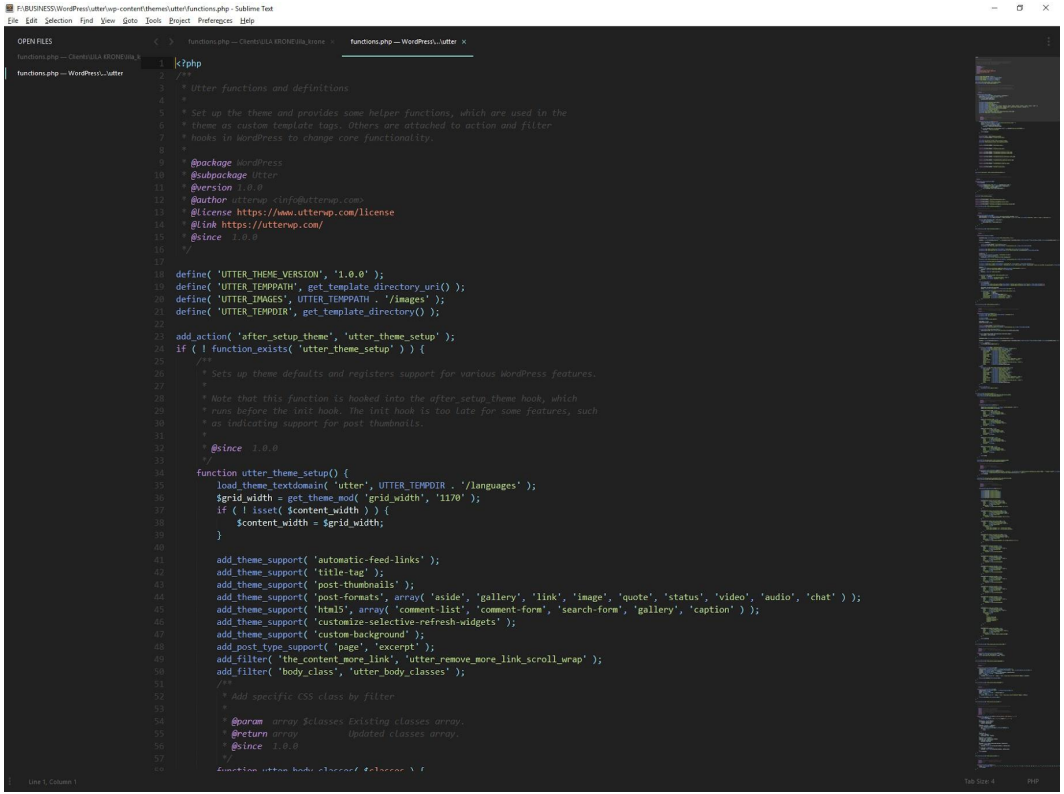
PHP CodeSniffer (phpcs)

Implementacija u editorima i IDE (Sublime Text, Atom, PhpStorm, Visual Studio)

NOT GOOD :(


F:\BUSINESS\Clients\LILA KRONE\lila_krone\functions.php - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help
OPEN FILES
functions.php — Clients\LILA KRONE\lila_krone
functions.php — WordPress\...\utter
<?php
define('THEME_NAME', 'Krone');
define('THEME_VERSION', '1.0.0');
define('TEMPPATH', get_template_directory_uri());
define('IMAGES', TEMPPATH . "/images");
/********* Theme Customizer Options **********/
require_once 'inc/customizer/customizer.php';
if(in_array('woocommerce/woocommerce.php', get_option('active_plugins'))){
include 'inc/woocommerce_custom.php';
}
/********* Creator Support **********/
function tcvpb_support() {
add_theme_support('the-creator-vpb');
}
add_action('after_setup_theme', 'tcvpb_support');
function tcvpb_elements() {
global $tcvpb_elements;
$files = scandir(get_stylesheet_directory() . '/elements');
foreach($files as $file) {
if(is_file(get_stylesheet_directory() . '/elements/'.$file)) {
include_once (get_stylesheet_directory() . '/elements/'.$file);
}
}
}
if(in_array('the-creator-vpb/the-creator-vpb.php', get_option('active_plugins'))){
add_action('init', 'tcvpb_elements');
}
/********* After Setup Theme **********/
add_action('after_setup_theme', 'Theme_krone_theme_setup');
if (! function_exists('Theme_krone_theme_setup')){
function Theme_krone_theme_setup(){
add_theme_support('post-thumbnails');
add_theme_support('automatic-feed-links');
add_theme_support('title-tag');
require_once 'inc/activate_plugins.php';
if(!isset($content_width)){
$content_width = 1170;
}
load_theme_textdomain('Theme_krone', get_template_directory() . '/languages');
/********* Register sidebars **********/
22 of 587 errors: Tabs must be used to indent lines; spaces are not allowed, Line 18, Column 44
Tab Size: 4
PHP

GOOD :)


F:\BUSINESS\WordPress\utter\wp-content\themes\utter\functions.php - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help
OPEN FILES
functions.php — Clients\ULA KRONE\ula_k
functions.php — WordPress\...\utter
functions.php — Clients\ULA KRONE\ula_krone
functions.php — WordPress\...\utter
<?php
/**
* Utter functions and definitions
*
* Set up the theme and provides some helper functions, which are used in the
* theme as custom template tags. Others are attached to action and filter
* hooks in WordPress to change core functionality.
*
* @package WordPress
* @subpackage Utter
* @version 1.0.0
* @author utterwp <info@utterwp.com>
* @license https://www.utterwp.com/license
* @link https://utterwp.com/
* @since 1.0.0
*/
define('UTTER_THEME_VERSION', '1.0.0');
define('UTTER_TEMPPATH', get_template_directory_uri());
define('UTTER_IMAGES', UTTER_TEMPPATH . '/images');
define('UTTER_TEMPDIR', get_template_directory());
add_action('after_setup_theme', 'utter_theme_setup');
if (! function_exists('utter_theme_setup')) {
/**
* Sets up theme defaults and registers support for various WordPress features.
*
* Note that this function is hooked into the after_setup_theme hook, which
* runs before the init hook. The init hook is too late for some features, such
* as indicating support for post thumbnails.
*
* @since 1.0.0
*/
function utter_theme_setup() {
load_theme_textdomain('utter', UTTER_TEMPDIR . '/languages');
$grid_width = get_theme_mod('grid_width', '1170');
if (! isset($content_width)) {
$content_width = $grid_width;
}
add_theme_support('automatic-feed-links');
add_theme_support('title-tag');
add_theme_support('post-thumbnails');
add_theme_support('post-formats', array('aside', 'gallery', 'link', 'image', 'quote', 'status', 'video', 'audio', 'chat'));
add_theme_support('html5', array('comment-list', 'comment-form', 'search-form', 'gallery', 'caption'));
add_theme_support('customize-selective-refresh-widgets');
add_theme_support('custom-background');
add_post_type_support('page', 'excerpt');
add_filter('the_content_more_link', 'utter_remove_more_link_scroll_wrap');
add_filter('body_class', 'utter_body_classes');
/**
* Add specific CSS class by filter
*
* @param array $classes Existing classes array.
* @return array Updated classes array.
* @since 1.0.0
*/
Line 1, Column 1
Tab Size: 4
PHP

PHP CODESNIFFER

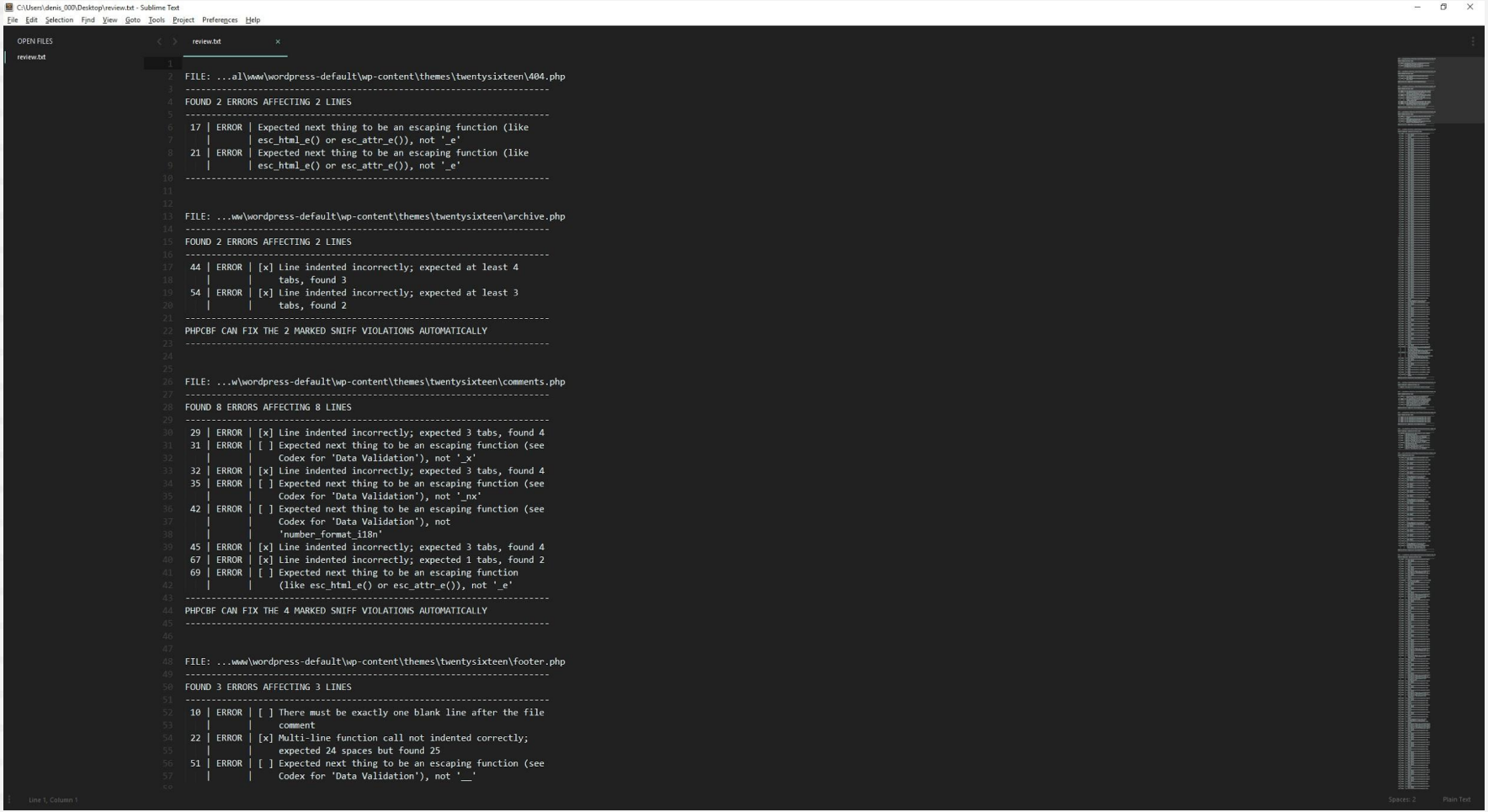
Squizlabs - code sniffer za PEAR, PSR1, Zend etc.

WordPress Coding Standards - dodatni standardi za phpcs

Originalno CLI, ali postoji način za implementaciju sa editorima i plugin koji je u izradi

Problem? Da bi sve radilo treba vremena (node.js, npm, microsoft web platform, composer)

Da li se isplati? **Definitivno!**


C:\Users\denis_000\Desktop\review.txt - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help
OPEN FILES
review.txt
review.txt
FILE: ...al\www\wordpress-default\wp-content\themes\twentysixteen\404.php
FOUND 2 ERRORS AFFECTING 2 LINES
17 | ERROR | Expected next thing to be an escaping function (like esc_html_e() or esc_attr_e()), not '_e'
21 | ERROR | Expected next thing to be an escaping function (like esc_html_e() or esc_attr_e()), not '_e'
FILE: ...ww\wordpress-default\wp-content\themes\twentysixteen\archive.php
FOUND 2 ERRORS AFFECTING 2 LINES
44 | ERROR | [x] Line indented incorrectly; expected at least 4 tabs, found 3
54 | ERROR | [x] Line indented incorrectly; expected at least 3 tabs, found 2
PHPCBF CAN FIX THE 2 MARKED SNIFF VIOLATIONS AUTOMATICALLY
FILE: ...w\wordpress-default\wp-content\themes\twentysixteen\comments.php
FOUND 8 ERRORS AFFECTING 8 LINES
29 | ERROR | [x] Line indented incorrectly; expected 3 tabs, found 4
31 | ERROR | [ ] Expected next thing to be an escaping function (see Codex for 'Data Validation'), not '_x'
32 | ERROR | [x] Line indented incorrectly; expected 3 tabs, found 4
35 | ERROR | [ ] Expected next thing to be an escaping function (see Codex for 'Data Validation'), not '_nx'
42 | ERROR | [ ] Expected next thing to be an escaping function (see Codex for 'Data Validation'), not 'number_format_i18n'
45 | ERROR | [x] Line indented incorrectly; expected 3 tabs, found 4
67 | ERROR | [x] Line indented incorrectly; expected 1 tabs, found 2
69 | ERROR | [ ] Expected next thing to be an escaping function (like esc_html_e() or esc_attr_e()), not '_e'
PHPCBF CAN FIX THE 4 MARKED SNIFF VIOLATIONS AUTOMATICALLY
FILE: ...www\wordpress-default\wp-content\themes\twentysixteen\footer.php
FOUND 3 ERRORS AFFECTING 3 LINES
10 | ERROR | [ ] There must be exactly one blank line after the file comment
22 | ERROR | [x] Multi-line function call not indented correctly; expected 24 spaces but found 25
51 | ERROR | [ ] Expected next thing to be an escaping function (see Codex for 'Data Validation'), not '__'
Line 1, Column 1
Spaces: 2
Plain Text

LINTERI

Alati za provjeru pogrešaka u sintaksi koda - nedeklarirana varijabla, pridruživanje vs jednakost (= vs == vs ===) itd.

JavaScript - JSLint, JSHint, JSCS i ESLint

CSS - CssLint

Automatizacija? CLI ili integracija u text editor (Sublime <3)

PHPCS KAO THEME REVIEW TOOL

Improving the automation of the theme review

2.2.2017 - 330 novih tema čeka na review, 70 je u procesu reviewa

Prosječno vrijeme čekanja approva - cca. 5 mj.

Brza provjera → brži review → više approvanih tema → manji queue \o/

Automatizacijom do kvalitetnijeg koda

KORISNI LINKOVI

WordPress development environment setup for Windows

Varying Vagrant Vagrants

WordPress Handbook

Become a Reviewer

WordPress Best Practices

HVALA :)

twitter @made_by_denis

github dingo-d

web stranica madebydenis.com

stackoverflow dingo_d