

TROUBLESHOOTING FOR BEGINNING DEVELOPERS

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DETECTIVE SKILLS

CLUES: ERRORS

CLUES: ERRORS

Debug Mode:

```
define( 'WP_DEBUG', true );
```

CLUES: ERRORS

Debug Mode:



Deprecated: Methods with the same name as their class will not be constructors in a future version of PHP; Deprecated_Log has a deprecated constructor in /var/www/coach/staging-site/wp-content/plugins/log-deprecated-notices/log-deprecated-notices.php on line 25

Troubleshooting Demo

Finding problems and solving them

HOME

CALENDAR

SAMPLE PAGE

Sample Page

"SIMPLE" 'TEST'

CLUES: ERRORS

Debug Mode:

- Warnings
- Notices
- Errors
- Deprecated Notices

CLUES: ERRORS

Sample Page

Fatal error: Uncaught Error: Call to undefined function undefined_function() in /var/www/coach/staging-site/wp-content/themes/twentytwelve/content-page.php:20 Stack trace: #0 /var/www/coach/staging-site/wp-includes/template.php(574): require() #1 /var/www/coach/staging-site/wp-includes/template.php(531): load_template('/var/www/coach/...', false) #2 /var/www/coach/staging-site/wp-includes/general-template.php(167): locate_template(Array, true, false) #3 /var/www/coach/staging-site/wp-content/themes/twentytwelve/page.php(21): get_template_part('content', 'page') #4 /var/www/coach/staging-site/wp-includes/template-loader.php(75): include('/var/www/coach/...') #5 /var/www/coach/staging-site/wp-blog-header.php(19): require_once('/var/www/coach/...') #6 /var/www/coach/staging-site/index.php(17): require('/var/www/coach/...') #7 {main} thrown in /var/www/coach/staging-site/wp-content/themes/twentytwelve/content-page.php on line 20

CLUES: ERRORS

```
<?php add_post_meta( get_the_id() ); ?>
```

Sample Page

Warning: Missing argument 2 for add_post_meta(), called in /var/www/coach/staging-site/wp-content/themes/twentytwelve/content-page.php on line 20 and defined in /var/www/coach/staging-site/wp-includes/post.php on line 1617 Warning: Missing argument 3 for add_post_meta(), called in /var/www/coach/staging-site/wp-content/themes/twentytwelve/content-page.php on line 20 and defined in /var/www/coach/staging-site/wp-includes/post.php on line 1617 Notice: Undefined variable: meta_key in /var/www/coach/staging-site/wp-includes/post.php on line 1622 Notice: Undefined variable: meta_value in /var/www/coach/staging-site/wp-includes/post.php on line 1622

This is an example page. It's different from a blog post because it will stay in one place and will show up in your site navigation (in most themes). Most people start with an About page that introduces them to potential site visitors. It might say something like this:

CLUES: ERRORS

Code Reference

Browse: [Home](#) / [Reference](#) / [Functions](#) / `add_post_meta()`

```
add_post_meta( int $post_id, string $meta_key, mixed $meta_value,  
              bool $unique = false )
```

Add meta data field to a post.

```
<?php add_post_meta( get_the_id(), 'meta_field_name', 'meta_field_value' ); ?>
```

CLUES: ERRORS

CLUES: ERRORS

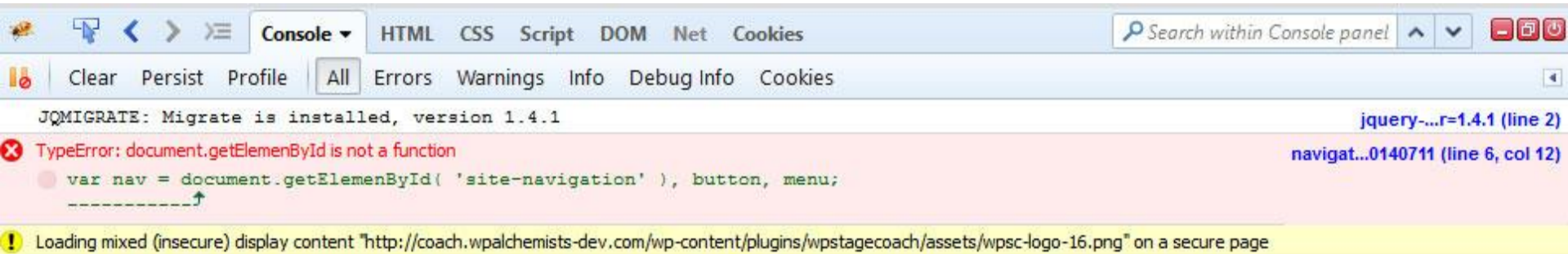
```
[Sat Sep 17 16:08:03 2016] [warn] [client 69.46.38.19] mod_fcgid: stderr: PHP  
Parse error: syntax error, unexpected '}', expecting end of file in  
/var/www/wpscdemo/staging-site/wp-content/themes/twentytwelve/content-page.php on  
line 20, referer: https://wpscdemo.wpstagecoach.com/
```

CLUES: ERRORS

Syntax highlighting

```
function show_off_syntax_highlighting( $color ) {  
    $message = 'Look at all the pretty colors, including' . $color . '!';  
    return $message;  
}  
  
function broken_function( $color ) {  
    $message = This won't work, and the $colors show me something is wrong;  
    return $message;  
}
```

CLUES: ERRORS



The screenshot shows a browser's developer console with the following elements:

- Console Panel Header:** Includes navigation icons (back, forward, search), a search box labeled "Search within Console panel", and tabs for "HTML", "CSS", "Script", "DOM", "Net", and "Cookies".
- Filtering:** A dropdown menu is set to "All", with other options being "Errors", "Warnings", "Info", "Debug Info", and "Cookies".
- Log Entries:**
 - A log entry: "JQMIGRATE: Migrate is installed, version 1.4.1" with a source link "jquery-...r=1.4.1 (line 2)".
 - A red error message: "TypeError: document.getElemenById is not a function" with a source link "navigat...0140711 (line 6, col 12)". Below it, the code snippet `var nav = document.getElemenById('site-navigation'), button, menu;` is shown with an arrow pointing to the `getElemenById` method.
 - A yellow warning message: "Loading mixed (insecure) display content "http://coach.wpalchemists-dev.com/wp-content/plugins/wpstagecoach/assets/wpsc-logo-16.png" on a secure page".

CLUES: RED HERRINGS

RED HERRINGS

Troubleshooting Demo

Finding problems and solving them

[HOME](#)

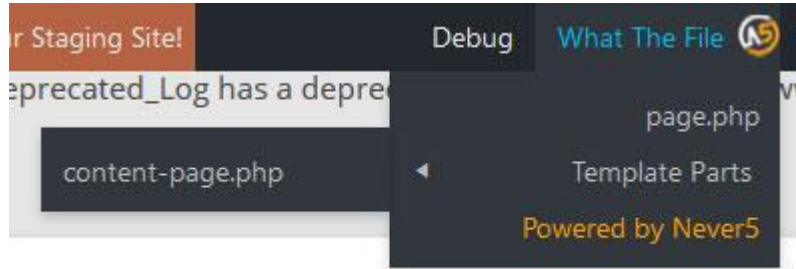
[CALENDAR](#)

[SAMPLE PAGE](#)

Parse error: syntax error, unexpected end of file in /var/www/coach/staging-site/wp-content/themes/twentytwelve/content-page.php on line 27

FORENSICS

FORENSICS



FORENSICS

```
wp_die( 'This happens!' );
```

Troubleshooting Demo

Finding problems and solving them

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[CALENDAR](#)

[SAMPLE PAGE](#)

Sample Page

This happens!

FORENSICS

```
<?php if( is_front_page() ) {  
    wp_die( 'this is the front page' );  
} else {  
    wp_die( 'this is an inner page' );  
} ?>
```

Sample Page

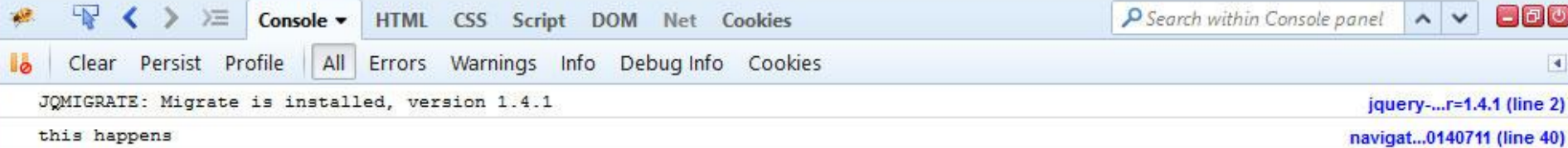
this is an inner page

FORENSICS

```
wp_mail( 'jpk@wpstagecoach.com', 'this happened', 'here is  
an email telling me that this function happened' );
```

FORENSICS

```
( function( $ ) {  
    console.log( 'this happened' );  
} )( jQuery );
```



The screenshot shows a browser's developer console with the following elements:

- Navigation:** Back, Forward, and Refresh icons.
- Panel Selection:** Console (selected), HTML, CSS, Script, DOM, Net, Cookies.
- Search:** Search within Console panel.
- Filtering:** Clear, Persist, Profile, All (selected), Errors, Warnings, Info, Debug Info, Cookies.
- Log Entries:**
 - Line 1: JQMIGRATE: Migrate is installed, version 1.4.1 (jquery-...r=1.4.1 (line 2))
 - Line 2: this happens (navigat...0140711 (line 40))

FORENSICS

Custom Fields ▲

Name	Value
------	-------

Add New Custom Field:

Name	Value
<input type="text" value="wordcamp"/>	<input type="text" value="2016"/>

[Cancel](#)

Custom fields can be used to add extra metadata to a post that you can [use in your theme](#).

FORENSICS

```
<div class="entry-content">
```

```
<?php $wordcamp = get_post_meta( get_the_id(), 'wordcamp' );
```

```
echo $wordcamp; ?>
```

```
<?php the_content( __( 'Continue reading <span  
class="meta-nav">&rarr;</span>', 'twentytwelve' ) ); ?>
```

```
<?php wp_link_pages( array( 'before' => '<div  
class="page-links">' . __( 'Pages:', 'twentytwelve' ),  
'after' => '</div>' ) ); ?>
```

```
</div><!-- .entry-content -->
```

FORENSICS

WordCamp Raleigh

[Leave a reply](#)

Array

Here's a post about how awesome WordCamp Raleigh is.

FORENSICS

```
<?php $wordcamp = get_post_meta( get_the_id(), 'wordcamp' ); ?>
```

```
<pre><?php print_r( $wordcamp ); ?></pre>
```

WordCamp Raleigh

[Leave a reply](#)

```
Array  
(  
    [0] => 2016  
)
```

Here's a post about how awesome WordCamp Raleigh is.

FORENSICS

```
<?php $wordcamp = get_post_meta( get_the_id(), 'wordcamp', true );  
echo 'WordCamp Year: ' . $wordcamp; ?>
```

WordCamp Raleigh

[Leave a reply](#)

WordCamp Year: 2016

Here's a post about how awesome WordCamp Raleigh is.

FORENSICS

Nothing to do with WordCamp

[Leave a reply](#)

WordCamp Year:

Believe it or not, I do things besides WordCamp.

FORENSICS

```
<?php $wordcamp = get_post_meta( get_the_id(), 'wordcamp', true );  
if( isset( $wordcamp ) && 2016 === $wordcamp ) {  
    echo 'Current WordCamp Year: ' . $wordcamp;  
} ?>
```

FORENSICS

WordCamp Raleigh

[Leave a reply](#)

Here's a post about how awesome WordCamp Raleigh is.

FORENSICS

```
$wordcamp = get_post_meta( get_the_id(), 'wordcamp', true );  
  
echo var_dump( $wordcamp );
```

WordCamp Raleigh

[Leave a reply](#)

string(4) "2016"

Here's a post about how awesome WordCamp Raleigh is.

FORENSICS

```
<?php $wordcamp = get_post_meta( get_the_id(), 'wordcamp', true );  
if( isset( $wordcamp ) && 2016 === $wordcamp ) {  
    echo 'Current WordCamp Year: ' . $wordcamp;  
} ?>
```

FORENSICS

```
<?php $wordcamp = get_post_meta( get_the_id(), 'wordcamp', true );  
if( isset( $wordcamp ) && '2016' == $wordcamp ) {  
    echo 'Current WordCamp Year: ' . $wordcamp;  
} ?>
```

WordCamp Raleigh

[Leave a reply](#)

Current WordCamp Year: 2016

Here's a post about how awesome WordCamp Raleigh is.

MORE TOOLS

TOOLS: WORDPRESS PLUGINS

Developer

Debug Bar

Query Monitor

Control

Theme Checker

TOOLS: CODE CHECKERS

<http://phpcodechecker.com/>

<http://www.jshint.com/>

THANKS!

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