

WORDCAMP
<PHOENIX 20>

**KEYNOTE
SPEAKER**



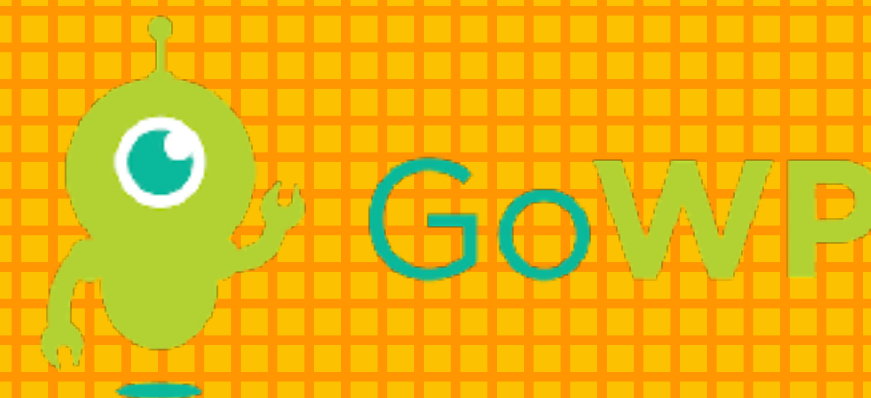
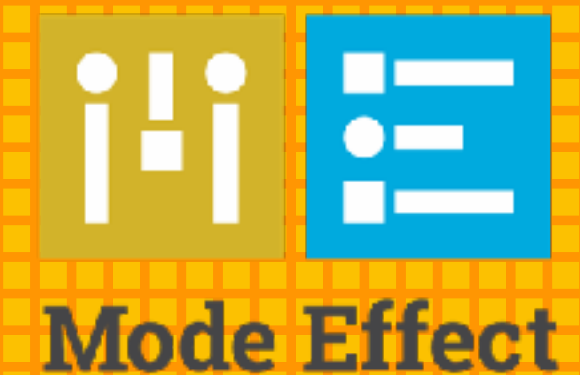
HOOK INTO WORDPRESS HOOKS

@MARCOBL10

WordPress Developer - WordCamp Organizer

WORDCAMP
<PHOENIX 20>

**A HUGE
THANK YOU**



WORDCAMP
<PHOENIX 20>

THE BASICS
OF HOOKS

THEMES AND PLUGINS
SOMETIMES GET YOU
ONLY SO FAR

WORDCAMP
<PHOENIX 20>

THE BASICS
OF HOOKS

**UNDERSTANDING HOOKS IS
ESSENTIAL, BUT IT ISN'T
EASY TO SOMETIMES.**

Hooks are a way for one piece of code to interact/modify another piece of code

WORDCAMP
<PHOENIX 20>

THE BASICS
OF HOOKS

FIRST, LET'S UNDERSTAND
WHY WE NEED THEM.
ASSUME WP HAS NO
HOOKS.

WORDCAMP
<PHOENIX 20>

THE BASICS
OF HOOKS

**WORDPRESS HOOKS IS AN
EXAMPLE OF EVENT DRIVEN
PROGRAMMING.**

WORDCAMP
<PHOENIX 20>

A SIMPLE
ACTION HOOK

HOOKS NEED AN ANCHOR. LET'S LOOK AT ONE YOU ARE FAMILIAR WITH. THE WP_HEAD();

```
42  <?php } ?>
43
44  <?php
45  if ( is_singular() ) {
46      wp_enqueue_script( 'comment-reply' );}
47  ?>
48
49  <?php wp_head(); //we have seen this baby a lot of times. ?>
50  </head>
51  <body <?php body_class(); ?>>
52  <div id="page">
53
54  <div id="header" role="banner">
55      <div id="headerimg">
56          <h1><a href="<?php echo home_url(); ?>/"><?php bloginfo(
57              'description'><?php bloginfo( 'description'
58          </div>
59  </div>
60  <hr />
61
```

WORDCAMP
<PHOENIX 20>

A SIMPLE
ACTION HOOK

```
/**
 * Fire the wp_head action.
 *
 * See {@see 'wp_head'}.
 *
 * @since 1.2.0
 */
function wp_head() {
    /**
     * Prints scripts or data in the head tag on the front end.
     *
     * @since 1.5.0
     */
    do_action( 'wp_head' ); //this is our anchor. We are creating an ACTION hook called wp_head.
}
```

WHAT DOES THIS MEAN?

WORDCAMP
<PHOENIX 20>

A SIMPLE
ACTION HOOK

```
testing.php
1  <?php
2
3      /**
4       * Hook into that header boyz!!!!
5      */
6
7      function my_header_action() { //this is the function that does the action
8
9          wp_die("Just a boring echo that is going to make the site go OUT");
10
11     }
12
13     add_action('wp_head', 'my_header_action'); //we are tapping into the wp_head hook using 'my_header_action' function.
14
15
```

HOW DO WE DO IT?

WORDCAMP
<PHOENIX 20>

A SIMPLE
ACTION HOOK

Just a boring echo that is going to make the site go OUT

THIS WILL BE THE RESULT

WORDCAMP
<PHOENIX 20>

THE MEANING
OF HOOKS

**SO WHAT ARE HOOKS? THEY
ARE A WAY FOR US TO TAP
INTO WORDPRESS AND
CHANGE BEHAVIOR.**

WORDCAMP
<PHOENIX 20>

THE TYPE
OF HOOKS

HOOKS COME IN TWO
FLAVORS: ACTIONS AND
FILTERS.

WORDCAMP
<PHOENIX 20>

THE TYPE
OF HOOKS

ACTIONS:

- CAN HAVE ANY FUNCTIONALITY
- COULD HAVE DATA FED INTO IT.
- DOESN'T RETURN CHANGES.
- IT USES `ADD_ACTION` TO BE HOOKED.
- THE HOOK ITSELF IS CREATED BY `DO_ACTION`
- IT IS A CUSTOM FUNCTION YOU WRITE TO MODIFY BEHAVIOR IN A SPECIFIC PLACE.

FILTERS:

- MODIFIES DATA.
- MUST HAVE DATA FED INTO IT.
- RETURNS CHANGES.
- IT USES `ADD_FILTER` TO BE HOOKED.
- THE HOOK ITSELF IS CREATED BY `APPLY_FILTER`
- IT IS A CUSTOM FUNCTION YOU WRITE TO MODIFY BEHAVIOR IN A SPECIFIC PLACE.

BOTH OF THEM ARE HOOKS. BEWARE OF TERMS

WORDCAMP
<PHOENIX 20>

THE MEANING
OF HOOKS

THE ANATOMY OF A HOOK.

- WE NEED THE HOOK NAME. WHERE?
- WE NEED TO MAKE OUR FUNCTION. WHERE?
- WE DEFINE PRIORITY. WHY?
- WE DEFINE ARGUMENTS. WHY?

LET'S LOOK AT EXAMPLES

WORDCAMP
«PHOENIX 20»

EXAMPLES
OF HOOKS

```
Users > darwin > Desktop > 🐛 tester.php
1  <?php
2
3
4  function the_function_my_magic_will_run_with($arg1, $arg2, $arg3){
5
6      //lets do the magic here. And watch it break...lol
7
8  }
9
10
11 add_action( 'the_action_to_hook_on', 'the_function_my_magic_will_run_with', 10, 3 ); //the numbers are optional
12
13 // 10 - the priority: the higher, the later
14 // 3 - number of args. Check the documentation/source code to see what variables you can use to play as Houdini
15
```

ACTION

WORDCAMP
«PHOENIX 20»

EXAMPLES
OF HOOKS

```
sers > darwin > Desktop > tester.php
1 <?php
2
3
4 function the_function_my_magic_will_run_with($title, $post){
5
6     //lets do the magic here. And watch it break...lol
7
8     return $title; //this is the main difference. I HAVE to return something.
9
10 }
11
12
13 add_filter( 'the_filter_to_hook_on', 'the_function_my_magic_will_run_with', 10, 2 ); //the numbers are optional
14
15 // 10 - the priority: the higher, the later
16 // 2 - number of args. Check the documentation/source code to see what variables you can use to play as Houdini
17
```

FILTER

WORDCAMP
«PHOENIX 20»

A SIMPLE
ACTION HOOK

SOME EXAMPLES

wp-content > themes > twentynineteen > magic > hooks.php

```
1  <?php
2  /**
3   * Adds a message to the footer area under the login form.
4   */
5
6  function love_wp_footer_message() {
7
8   // output our message in the login footer area.
9   ?>
10 <p style="border: 2px solid #f87cff; margin: 0 auto; width: 320px; padding: 10px; background-color:#6a2d89; color:#1DCDDD; font-style:bold; text-align:center">
11     Interested in the WordPress love? Join your local community</p>
12
13 <?php
14
15 }
16
17 add_action( 'login_footer', 'love_wp_footer_message' );
```



Username or Email Address

Password

Remember Me

Log In

Lost your password?

[← Back to WP Yall](#)

Interested in the WordPress love? Join your local community

WORDCAMP
«PHOENIX 20»

A SIMPLE
ACTION HOOK

SOME EXAMPLES

```
wp-content > themes > twentynineteen > magic > ✎ hooks.php
```

```
19  /**
20  * A very common one. Add a custom class to a page.
21  */
22
23
24  add_filter( 'body_class', 'custom_body_class' );
25
26  function custom_body_class( $classes ) {
27
28      global $post;
29
30      if( (is_404()) ) :
31
32          $classes[] = sanitize_html_class("fo-oh-fo");
33
34      endif;
35
36      return $classes; //filters MUST return something
37  }
38
```

```
19  </head>
20
21  <body class="error404 wp-embed-responsive hfeed image-filters-enabled fo-oh-fo">
22  <div id="page" class="site">
23      <a class="skip-link screen-reader-text" href="#content">Skip to content</a>
24
25      <header id="masthead" class="site-header">
26
27          <div class="site-branding-container">
28              <div class="site-branding">
```

WORDCAMP
«PHOENIX 20»

A SIMPLE
ACTION HOOK

SOME EXAMPLES

```
function my_modify_main_query( $query ) {  
  
    if((!is_admin() ) && ($query -> is_main_query() ) ) :  
  
        if ( is_post_type_archive(array('compare') ) ) { // run Forrest, run!!  
  
            $query->query_vars['posts_per_page'] = -1;    You, a year ago • Altered  
  
        }  
  
    endif;  
}  
  
add_action( 'pre_get_posts', 'my_modify_main_query' );
```

WORDCAMP
<PHOENIX 20>

EXAMPLES
OF HOOKS

SOME EXAMPLES

```
// replaces the excerpt with more content  
function new_excerpt_more($more) {  
    global $post;  
    return '... <a class="moretag" href="'. get_permalink($post->ID) . "'>  
        Continue reading &#8594;</a>';  
}  
  
add_filter('excerpt_more', 'new_excerpt_more');
```

WORDCAMP
«PHOENIX 20»

A SIMPLE
ACTION HOOK

SOME EXAMPLES

```
function my_theme_scripts() {  
  
    if(!is_admin()) :  
  
        wp_deregister_script( 'jquery' ); //jquery  
        wp_register_script('jquery', 'https://code.jquery.com/jquery-3.3.1.js', '', null, true)  
        wp_enqueue_script('jquery');  
  
    endif;  
  
}  
  
add_action( 'wp_enqueue_scripts', 'my_theme_scripts' );
```

WORDCAMP
<PHOENIX 20>

**CREATING
CUSTOM HOOKS**

**CAN I MAKE MY OWN
FILTERS AND ACTION
HOOKS?**

WORDCAMP
«PHOENIX 20»

**CREATING
CUSTOM HOOKS**

**'COURSE I CAN - TYRONE,
SNATCH**



WHY YOUR OWN?

WORDCAMP «PHOENIX 20»

EXAMPLES OF HOOKS

```
<nav id="main-nav">
  <?php do_action("regular_menu"); ?>
</nav>
```

```
function wbm_regular_menu() {
    $defaults_nav = array(
        'theme_location' => '',
        'menu'           => 'nav_menu',
        'fallback_cb'    => 'wp_page_menu',
        'container'      => 'ul',
        'before'         => '',
        'after'          => '',
        'link_before'    => '',
        'link_after'     => '',
        'depth'          => 0,
        'walker'         => ''
    );

    wp_nav_menu( $defaults_nav );
}
```

```
add_action('regular_menu', 'wbm_regular_menu'); | You, a few seconds ago • Uncommitted
```


WORDCAMP
«PHOENIX 20»

THE BASICS
OF HOOKS

LAST FEW TIPS

- **YOU CAN REMOVE ACTIONS AND FILTERS.**
- **DON'T EXPECT TO KNOW IT ALL.**
- **WE DEFINE PRIORITY. WHY?**
- **WE DEFINE ARGUMENTS. WHY?**

WORDCAMP
<PHOENIX 20>

KEYNOTE
SPEAKER



THANK YOU ALL!
ENJOY #WCPHX

@MARCOBL10

WordPress Developer - WordCamp Organizer