HOOK INTO WORDPRESS HOOKS
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THE BASICS
OF HOOKS

THEMES AND PLUGINS
SOMETIMES GET YOU
ONLY SO FAR
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.
FIRST, LET’S UNDERSTAND WHY WE NEED THEM. ASSUME WP HAS NO HOOKS.
WORDPRESS HOOKS IS AN EXAMPLE OF EVENT DRIVEN PROGRAMMING.
HOOKS NEED AN ANCHOR. LET’S LOOK AT ONE YOU ARE FAMILIAR WITH. THE WP_HEAD();
WHAT DOES THIS MEAN?

A SIMPLE ACTION HOOK

```php
/**
 * 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.
}
```
A SIMPLE ACTION HOOK

```php
<?php

/**
 * Hook into that header boyz!!!!
 */

function my_header_action() {
    //this is the function that does the action
    wp_die("Just a boring echo that is going to make the site go OUT");
}

add_action("wp_head", 'my_header_action'); //we are tapping into the wp_head hook using 'my_header_action' function.
```
A SIMPLE ACTION HOOK

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

THIS WILL BE THE RESULT
SO WHAT ARE HOOKS? THEY ARE A WAY FOR US TO TAP INTO WORDPRESS AND CHANGE BEHAVIOR.
HOOKS COME IN TWO FLAVORS: ACTIONS AND FILTERS.
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.
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.
function the_function_my_magic_will_run_with($arg1, $arg2, $arg3){
    // let's do the magic here. And watch it break...lol
}

add_action( 'the_action_to_hook_on', 'the_function_my_magic_will_run_with', 10, 3 ); // the numbers are optional

// 10 - the priority: the higher, the later
// 3 - number of args. Check the documentation/source code to see what variables you can use to play as Houdini

ACTION
function the_function_my_magic_will_run_with($title, $post)
{

    //lets do the magic here. And watch it break...lol

    return $title; //this is the main difference. I HAVE to return something.

}

add_filter( 'the_filter_to_hook_on', 'the_function_my_magic_will_run_with', 10, 2 ); //the numbers are optional

// 10 - the priority: the higher, the later
// 2 - number of args. Check the documentation/source code to see what variables you can use to play as Houdini
A SIMPLE ACTION HOOK

SOME EXAMPLES

```php
<?php
/**
 * Adds a message to the footer area under the login form.
 */

function love_wp_footer_message() {
    // output our message in the login footer area.
    ?>

    <p style="border: 2px solid #f87cfc; margin: 0 auto; width: 320px; padding: 5px; background-color:#6a2d99; color:#1dc0dd; font-style:bold; text-align: center;"
    Interested in the WordPress love? Join your local community</p>

    <?php

    add_action( 'login_footer', 'love_wp_footer_message' );
}
```
A SIMPLE ACTION HOOK

SOME EXAMPLES

```php
/**
 * A very common one. Add a custom class to a page.
 */

add_filter( 'body_class', 'custom_body_class' );

function custom_body_class( $classes ) {
    global $post;
    if ( is_404() ) {
        $classes[] = sanitize_html_class("fooh-foo");
    }
    return $classes; //filters MUST return something
```
A SIMPLE ACTION HOOK

SOME EXAMPLES

```php
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;
        }
    endif;
}
```

```php
add_action( 'pre_get_posts', 'my_modify_main_query' );
```
EXAMPLES

SOME EXAMPLES

```php
function new_excerpt_more($more) {
    global $post;
    return '...<a class="moretag" href="'. get_permalink($post->ID) .'">Continue reading &amp;#8594;</a>";
}
add_filter('excerpt_more', 'new_excerpt_more');
```
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');
    }
    }
add_action( 'wp_enqueue_scripts', 'my_theme_scripts' );
CAN I MAKE MY OWN FILTERS AND ACTION HOOKS?
'COURSE I CAN - TYRONE, SNATCH

WHY YOUR OWN?
function wbm_regular_menu() {
    $defaults_nav = array(
        'theme_location' => 'nav_menu',
        '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');
LAST FEW TIPS

- You can remove actions and filters.
- Don’t expect to know it all.
- We define priority. Why?
- We define arguments. Why?
THANK YOU ALL!
ENJOY #WCPhx
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