@DustinHartzler





Today's Outline

✓ What are Custom Post Types, Custom Taxonomies, Post Meta Boxes and Custom Fields?

 \checkmark Examples of Uses

✓ Explore the Code

✓ Special Offer



- \checkmark WordPress can hold and display many different types of content.
- \checkmark Internally, all of the content for your site is stored in the exact same spot: wp posts table
- \checkmark WordPress differentiates the different content with a column called post_type



post_modified_gmt	post_content_filtered	post_parent	guid	menu_order	post_type	post_mime_type
2010-12-21 02:58:08		15	http://localhost:8888/YWE/html/15- revision-11/	0	revision	
2012-07-06 13:34:32		0	http://localhost:8888/YWE/html/? page_id=2	0	page	
2012-11-22 14:19:58		0	http://localhost:8888/YWE/html/? p=55	0	post	
2010-12-11 03:13:01		41	http://localhost:8888/YWE/html/41- revision-6/	0	revision	
2010-12-06 22:18:33		0	http://localhost:8888/YWE/html/wp- content/uploads/	0	attachment	image/png



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- ✓ There are FIVE major post types:
 - ✓ Post
 - ✓ Page
 - \checkmark Attachment
 - ✓ Revisions
 - ✓ Nav Menus





Posts

✓ A post in WordPress is the main type used by the blog
 ✓ Posts are displayed in reverse sequential order by time
 ✓ Posts are also used for creating feeds



Page

 \checkmark A page in WordPress is much like a post, but it lives outside the normal time based structure of posts

 \checkmark They have their own URLs directly off the main site URL

 \checkmark Pages can also use special Page Templates to display them

✓ Pages can be organized by hierarchical structure



Attachment

- \checkmark An Attachment is a special post that holds information about files uploaded through the Media Library
- \checkmark It holds all the description, name and other information about uploaded files
- \checkmark For images, the metadata is linked that holds information about the size of the images and thumbnails generated from the images.



Revisions

 \checkmark A Revision is used to hold draft posts as well as any past revisions of existing posts or pages

 \checkmark These are basically identical to the main post / page



Revisions

31 December, 2012 @ 12:23 by Dustin Hartzler 31 December, 2012 @ 12:22 by Dustin Hartzler 31 December, 2012 @ 12:22 by Dustin Hartzler 31 December, 2012 @ 12:21 by Dustin Hartzler 27 December, 2012 @ 21:32 by Dustin Hartzler

Nav Menus

✓ The nav_menu_item type holds information about a single item in the Navigation Menu system

 \checkmark The Nav Menus are the first examples of entries in the post table for something other than content



 \checkmark A custom post type is a post type that you define

✓ Adding the custom type is simple by using the register_post_type function



Why Should I use CPTs?

WEBSITE Engineer

- \checkmark The custom post type will show up in the back end as a separate menu item with its own post list and "add new" page
- \checkmark Navigating to <u>http://mysite.com/customposttype/</u> will take you to the archive page for the post type. This is akin to visiting the front page for latest posts from the "post" post type.
- \checkmark Categories and tags can be made available to the custom post type, or you can create custom taxonomies.

Why Should I use CPTs?

 \checkmark Different types of content have different data requirements:

Posts:

Author \checkmark

Category

Date

Books:

Author

Page Count

Publisher



Other Uses of CPTs

- ✓ Testimonials
- ✓ FAQ Pages
- ✓ Sliders
- ✓ Events Calendar
- ✓ Portfolio



 \checkmark Tutorials ✓ Product Catalog \checkmark Meet the Team √ Videos \checkmark and many more!

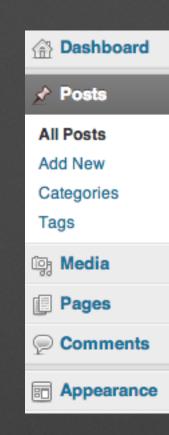
When to use CPTs

- \checkmark Not a blog post or static page
- \checkmark Repeatable, when you need content pieces with the same format.
- \checkmark Complicated, i.e. when there's a need for meta boxes and other controls that you don't want displayed on the Page or Post editor.
- ✓ HTML-heavy. To avoid having clients wade through HTML in the WordPress editor, I break up content into individual mini-posts.

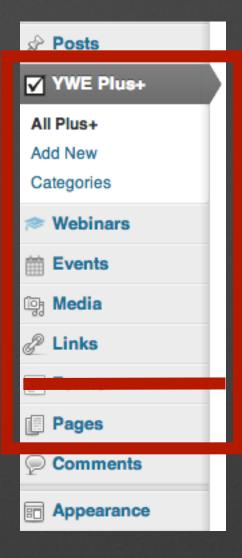


Look at the Dashboard

✓ These items go in the wp_posts table in your WordPress database







Custom Taxonomies

Regular blog posts use categories and tags to create an organization V structure

But these categories won't work well for your custom post type of V products.



Custom Taxonomies

YWE Plus+	Add New Location	Bulk Actions 💠 Apply	
All Plus+ Add New Categories	Name	Name	Description
🔊 Webinars	The new sitespears on your site.	Paid	
m Events	Slug	Free	
ැමූ Media		0	
🖉 Links	The "slug" is the URL-friendly version of the name. It is usually all lowercase and contains only letters, numbers, and hyphens.	Plugin	
E Forms			
Pages	Parent	🗌 Тір	
Comments	None 💠		
E Appearance	Description	Name	Description
🖉 Plugins		Bulk Actions 💠 Apply	
A0 Licore			



	2 items
Slug	YWE Plus+
plus-paid	0
plus-free	0
plus-plugin	1
plus-tips	1
Slug	YWE Plus+
	2 items

Post Meta Boxes

✓ Post Meta Boxes are the draggable boxes in the WordPress edit screen

 \checkmark Meta boxes are much easier for clients to put information in the proper place



Post Meta Boxes

His website is taking up a lot of room on his server. He wonders how he can make it smaller.

- Are you storing full size images on your site?
- Are you backing up your site to your host?
- My site is 309MB and that includes all plugins and theme files as well.

Jacob (inticemedia.com) Jacob provides a great resource to find people to do work for us. It's a site called http://odesk.com. You can find people who work locally or overseas. One benefit of hiring someone overseas is that they are working while you sleep.

Word count: 408

Last edited by Dustin Hartzler on December 31, 2012 at 12:23 pm

Your Website Enginer Post Images

Using the "Add an Image" option, upload your media files and paste the "Link URL" in these image fields.

Main Image or Video

http://localhost:8888/YWE/html/wp-content/uploads/2012/12/slow_large.png

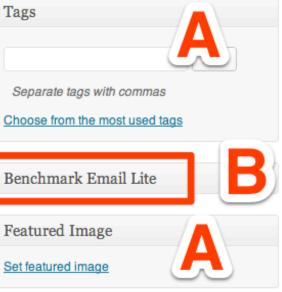
The default image or video associated with your post (full size image). From your portfolio pages this is the image or video shown in the lightbox window.

Medium Image

This is the medium size image used for portfolio item previews. If you have added a "Main Image" this field is optional. Images only. Recommended size: 261px * 174px.



Tags



Post Meta Boxes - Example



MEET MORE OF OUR PEOPLE

Rhea Campbell Michael Lickerman CHRIS KOERNER JAMES HARRINGTON HOPE PRINKEY

RHEA CAMPRELL

rhea.campbell@bellaterrapartners.com

Rhea Campbell is the Founding Partner and CEO of Bella Terra Partners. In addition to her fierce dedication to the firm's client experience, she leads portfolio strategy development and executes transactions.

Rhea views her strategic approach to real estate transactions as a means by which clients can re-energize their operations, change the dynamics of their business, refresh and/or re-launch their brand resulting in greater profitability, productivity and marketplace presence. Rhea specializes in creating business solutions that integrate an organization's real estate portfolio into its strategy and vision. Clients rely on Rhea to lead and direct the overall approach to solving their business problems through real estate of which tasks include: strategic consulting, project management, lease administration and corporate real estate finance.

Throughout her career, Rhea has represented a variety of clients from diverse industries including brand marketing & consulting, finance, insurance, not-for-profit, law, travel and meeting planning services. Prior to founding Bella Terra Partners, she spent 5 years as a tenant representation professional at CB Richard Ellis and over 13 years in luxury hotel sales and management with Four Seasons Hotels & Resorts, Fairmont Hotels & Resorts and Tourism Vancouver. Rhea holds a B.S. from Southern New Hampshire University.

(Back to Our People)

BALANCED REAL ESTATE SOLUTIONS



Post Meta Boxes - Example

✓ To Add an Email Address:

- \checkmark Type out the email address
- ✓ Highlight
- ✓ Select Link
- ✓ In link box type <u>mailto:email@address.com</u>
- ✓ Then add INSERT_EMAIL_HERE



OR



Enter Email Address Here

rhea.campbell@bellaterrapartners.com

Post Meta Boxes - Example

 \checkmark The second is easier for the client

 \checkmark The second guarantees that the formatting is the same every time



Custom Fields

 \checkmark Custom Fields are a lot like post meta boxes, but they are built in by WordPress

 \checkmark Much easier to set up than post meta boxes, but more difficult for a client to use



Custom Fields

 \checkmark This meta data is handled with keys/value pairs.

- \checkmark Key = meta-data element (think of it as a variable)
- \checkmark Value = information that will appear in the meta-data for each post



Custom Fields Example

Name	Value
email	Justin@YourWebsiteEngineer.com
Cancel	
Add Custom Field	

<?php echo get_post_meta(\$post_id, \$key, \$single); ?>

<?php echo get_post_meta(\$post->ID, 'email', true); ?>





Some Cool Uses of Custom Fields

 \checkmark Set an Expiration Time for Posts

- ✓ Embed Custom CSS Styles
- \checkmark Re-Define the <title> tag
- ✓ Disable Search Engine Indexing for Individual Posts





All (132) I Published (132)					
Bulk Actions	all dates 💠 Vi				
Title	Categories				
109 – Important Things to Focus on in 2013 - Standard	Podcast				
108 – The Dangers of the functions.php File	Podcast				
New Features WordPress 3.5	Video				
107 – Five Reasons Your Site Loads Slowly	Podcast				
106 – How to Teach Someone WordPress	Podcast				



iew all categorie	s 💠 All SE	O Scores	\$ Filter
	Date	Featured	
2	2013/01/02 Published	013 Goals	
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Ģ	2012/12/20 Published		
3	2012/12/19 Published	S	
Ģ	2012/12/12 Published	AC	

Let's Look At Some Code

✓ AREYOU READY?















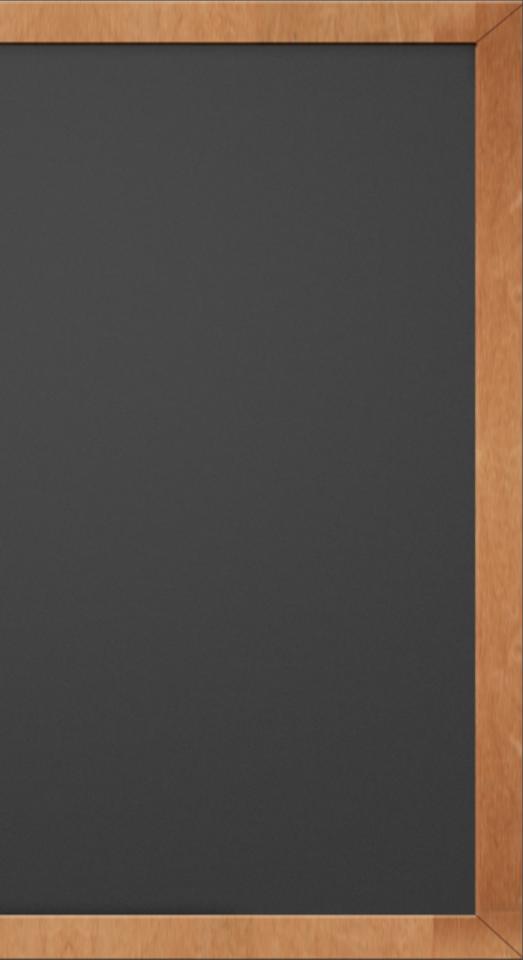






```
function my_custom_post_product() {
    $labels = array(
         'name'
                              => x( 'Products', 'post type general name' ),
         'singular name'
                              => x( 'Product', 'post type singular name' ),
         'add new'
                              => x( 'Add New', 'book' ),
         'add new item'
                              => ( 'Add New Product' ),
         'edit item'
                              => ( 'Edit Product' ),
                              => ( 'New Product' ),
         'new item'
         'all items'
                              => ( 'All Products' ),
         'view item'
                              => ( 'View Product' ),
         'search items'
                              => ( 'Search Products' ),
         'not found'
                              => ( 'No products found' ),
         'not found in trash' => ( 'No products found in the Trash' ),
         'parent item colon'
                              => '',
         'menu name'
                              => 'Products'
    );
    $args = array(
         'labels'
                         => $labels,
                         => 'Holds our products and product specific data',
         'description'
         'public'
                         => true,
         'menu position' => 5,
         'supports'
                         => array( 'title', 'editor', 'thumbnail', 'excerpt', 'comments' ),
         'has archive'
                         => true,
    );
    register post type( 'product', $args );
add action( 'init', 'my custom post product' );
```

Engineer



Custom Taxonomies

function my_taxonomies_product() {

\$args = array();

WEBSITE

register_taxonomy('product_category', 'product' \$args);

add_action('init', 'my_taxonomies_product', 0);

Custom Taxonomies

function my_taxonomies_product() {

\$args = array();

WEBSITE

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Custom Taxonomies

function my_taxonomies_product() {

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add_action('init', 'my_taxonomies_product', 0); **WEBSITE**

Post Meta Boxes

✓ Defining the Post Meta Boxes requires 3 steps
 ✓ Define the box itself
 ✓ Define the content of the meta box

 \checkmark Define how the data from the box is handled





Defining the Meta Box

add_action('add_meta_boxes', 'product_price_box'); function product_price_box() { add_meta_box('product_price_box', ('Product Price', 'myplugin_textdomain'), 'product_price_box_content', 'product', 'side', 'high');

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- name)
- contents of the box

- "how high" it is placed)

The unique identifier for the meta box (it does not have to match the function

The title of the meta box (visible to users) The function which will display the The post type the meta box belongs to The placement of the meta box The priority of the meta box (determines

Defining the Content of the Meta Box

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function product_price_box_content(\$post) { wp_nonce_field(plugin_basename(__FILE__), 'product_price_box_content_nonce'); echo '<label for="product_price">Price of item</label>'; echo '<input type="text" id="product_price" name="product_price" placeholder="enter a price">';

Notes:

- This meta box only contains a price
- security to the data submission

- A nonce field is also present, which adds

Handling Submitted Data

```
add_action( 'save_post', 'product_price_box_save' );
function product_price_box_save( $post_id ) {
```

```
if ( defined( 'DOING_AUTOSAVE' ) && DOING_AUTOSAVE )
return;
```

```
if ( !wp_verify_nonce( $_POST['product_price_box_content_nonce'],
plugin_basename( __FILE_ ) ) )
return;
```

```
if ( 'page' == $_POST['post_type'] ) {
    if ( !current_user_can( 'edit_page', $post_id ) )
        return;
} else {
    if ( !current_user_can( 'edit_post', $post_id ) )
        return;
}
```

```
$product_price = $_POST['product_price'];
update_post_meta( $post_id, 'product_price', $product_price );
```



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If an autosave is being performed nothing happens The nonce is checked Permissions are checked When everything passes, the data is added to the post using: update_post_meta()

 \checkmark

Price per night
amount: 55
s
price type: • per person • per apartment
maximum guests:
Enter the maximum amount of guest:

Displaying Meta Data

<?php

?>

// If we are in a loop we can get the post ID easily \$price = get_post_meta(get_post_ID(), 'product_price', true); // To get the price of a random product we will need to know the ID \$price = get_post_meta(\$product_id, 'product_price', true);

echo \$price;

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Final Thoughts

 \checkmark Adding custom functionality can be used to create customized areas for anything you can think of.

 \checkmark Since setting up CPTs, taxonomies, post meta boxes are completely up to you, you have the power to create additional features to make your clients very happy



Want to Learn More?

 \checkmark Are you interested in learning about custom post types in a step by step approach?

 \checkmark Do you want to improve your development skills in 2013 so you can program more efficiently and make more money?



Introducing Advanced Developer Training

- \checkmark This is a complete course with exact step-by-step instructions to speed up your development time
- $\sqrt{1}$ lt works even if you're starting from scratch or you've been at it a while
- ✓ The "Advanced Developer Training" is an end-to-end system for making you a more efficient / profitable website developer





Week 1: Building Theme Essentials

- ✓ WordPress Overview
- ✓ Child Themes

W

- \checkmark Set up a local dev environment
- ✓ Overview of Useful PHP Commands
- \checkmark A Look at the Frameworks

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Week 2: Make Your Site Future Proof

✓ Discover Plugin Basics (filters, hooks, etc.) ✓ Develop theme Shortcodes \checkmark Build a twitter widget from scratch ✓ Using WP Cron to Schedule Events **WEBSITE** Engineer



Latest Tweets

- Only a few more hours to register for my first webinar in 2013 about custom post types.
- http://t.co/H4xUZRJX Register now!
- Up early adding finishing touches to today's webinar
- (http://t.co/H4xUZRJX), plus a load of other good stuff today. Enjoy your Friday :)
- WordPress Blogs at Risk Due to Plug-In Flaw http://t.co/fxiiRBVc //Disable it today! A slower site is better than a hacked site.
- The Local Method presents Lets Talk New Media Expo, my interview with @albertHathazi about #NMX. Only 2 more days! http://t.co/u2RrEnqQ
- Pulled into the gas station just as the low fuel light came on #PerfectTiming

Week 3: Add Functionality

✓ Custom Post Types
 ✓ Custom Taxonomies
 ✓ Post Meta Boxes
 ✓ Add Theme Options





Week 4: Become More Proficient

✓ Use the Terminal / Command Line ✓ Learn Version Control with GIT ✓ Write Faster CSS with SASS ✓ Make Your Website Encrypted with SSL **WEBSITE** Engineer





- \$3000?
- \$2000?

√ \$1000?

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How the Course Works

Each module is pre recorded V

 \checkmark At the beginning of each week you will receive an email with the weekly assignments

 \checkmark On Friday of each week there will be a training call





How the Course Works

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✓ Mon, Jan 28: Week I goes live
✓ Fri, Feb I: Group Training Call
✓ Fri, Feb 4: Week 2 goes live
✓ Mon, Feb 4: Week 2 goes live
✓ Fri, Feb 8: Group Training Call
✓ Fri, Feb 2

✓ Mon, Feb II: Week 3 goes live ✓ Fri, Feb I5: Group Training Call ✓ Mon, Feb I8: Week 4 goes live ✓ Fri, Feb 22: Group Training Call

Advanced WordPress Developer Training

\checkmark Retails for: \$799

Exclusive Offer: \$499

Must Register by Next Friday!

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Advanced Developer Course

Home » Advanced Developer Course

In early 2012, I realized I had a passion for teaching others how to use WordPress. There were tons of resources available for beginners when it came to WordPress, but no great solution for developers who want to become more advanced.

As I have slowly learned WordPress myself, I saw a void in the market and decided to create my own o for developers. The course is called "Advanced Developers WordPress Course" and I'm confident that it will turn any WordPress novice into a great developer.

This course can be yours for the low one time payment of \$799 only \$499! But must register before Janua 11th as the price will increase!

What Topics Will The Course Cover?

This course will cover the MAIN things that WordPress developers should know to create amazing websites for their clients. Here are the topics:

Week One: Building Theme Essentials

Introduction to WordPress Development - How the loop works How to create theme template - Set up a development site

Child Theme - Useful PHP / WP Commands - Child Themes

HTML5 / CSS3 Overview - Benefits Differences

Brief demo

- Thesis

- Genesis

- Builder

- Standard

Headway

Introduction to Frameworks (hands on with different frameworks

WP_Cron - Schedule Recurring Events - Custom Intervals for Events Create an Options Page

Plugin Basics

- Filter Hooks

- Action Hooks

- Activate Plugin

Intro to Widgets

- The Form Method

Regular Expression

- Attributes





To join the advanced training, register now: http://YourWebsiteEngineer.com/awdt

- Add Shortcode Method - Specifying Content Plugin Development: Widgets The Skin for a Widget Building the Twitter Widget - Completing the Widget

- Benefits of Using Plugins Plugin Development: Shortcode

Week Two: Make Your Site Future Proof



Home About Resources Products Contact





Life Time Access

 \checkmark You will become a member for life!

 \checkmark If the course gets updated, you will have access to that as well.



To join the advanced training, register now: http://YourWebsiteEngineer.com/awdt



100% Satisfaction Guarantee

 \checkmark Try the Advanced WordPress Developers Course for 30 days

 \checkmark ... and if you don't love it, simply ask for a refund by emailing <u>Dustin@YourWebsiteEngineer.com</u> and I'll happily refund your money



To join the advanced training, register now: http://YourWebsiteEngineer.com/awdt



Any Questions?



To join the advanced training, register now: http://YourWebsiteEngineer.com/awdt