

TUTORIAL NOTES

CREATE A LISTING WEBSITE WORDPRESS & JETENGINE | REAL ESTATE WEBSITE IN WORDPRESS ELEMENTOR (2021)

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VIDEOS

00. INTRODUCTION

- Basics of using JetEngine to create a more dynamic WordPress website
- JetEngine, Elementor Pro

01. OVERVIEW

- The project creates a real estate website
- Custom fields not part of normal WP
- Categories in to nav
- Introduce to taxonomies for organizing and categorizing website

PLUGINS

- Classic Editor
- Duplicate Post
- Elementor
- Elementor Pro
- JetEngine

02. TERMINOLOGY

- JetEngine settings in wpadmin menu
- **Post Type**: posts, pages, etc - represents real objects
- **meta fields**: title, content, feat img, etc.
- **taxonomies**: a way to organize content into groups
- We will look at post types, taxonomies, and **listings**
- We WON'T be working with metaboxes

03. CREATING CUSTOM POST TYPES

- **To create post type:** JetEngine > Post Types



TIP: You can choose to work with built-in or JetEngine CPTs (custom post types) using the toggle in upper right

CREATE NEW CPT:

- Click "Add New"

04. GENERAL SETTINGS

- **Post Type Name:** Properties
- **Post Type Slug:** properties

05. LABELS

- Totally optional

ADVANCED SETTINGS (08:12)

- These are the changes we need for this project:
- **Has Archive:** enable
- **Hierarchical:** enable [allows multiple levels]
- **Menu Position:** 1 [where displays on left sidebar]
- **Menu icon:** dashicons-admin-multisite
- **Supports:** title, editor, thumbnail (feat img) [built-in meta fields that our custom post can make use of]

06. PROPERTIES [DOESN'T REALLY MAKE SENSE AS A TIMESTAMP - SHOULD DELETE]

07. META FIELDS

- Create first meta field: Property Price

PROPERTY PRICE

- Click "New Meta Field"
- **Label:** [human-readable] Property Price
- **Name/ID:** property-price

- **Object Type:** [what kind of field?] Field
- **Field Type:** [what type of data should user input?] Text



TIP: Often works best to set Field Type for numeric values as Text

- **Description:** (optional) Notes to end user
- **Field Width:** 100%
- **Character Limit:** blank
- **Default Value:** blank
- **Is Required:** yes

LOCATION

- **Is Required:** yes

GALLERY

- **Field Type:** Gallery [upload multiple images as same time]

ADMIN COLUMNS (14:14)

- Allows us to insert additional columns into the admin section
- Click "Add Post Type" to save all our settings
- Refresh page and click on "Properties" in the admin menu



#GOTCHA: In the Properties editor by default the only columns are Title and Date

ADMIN COLUMN: FEATURED IMAGE

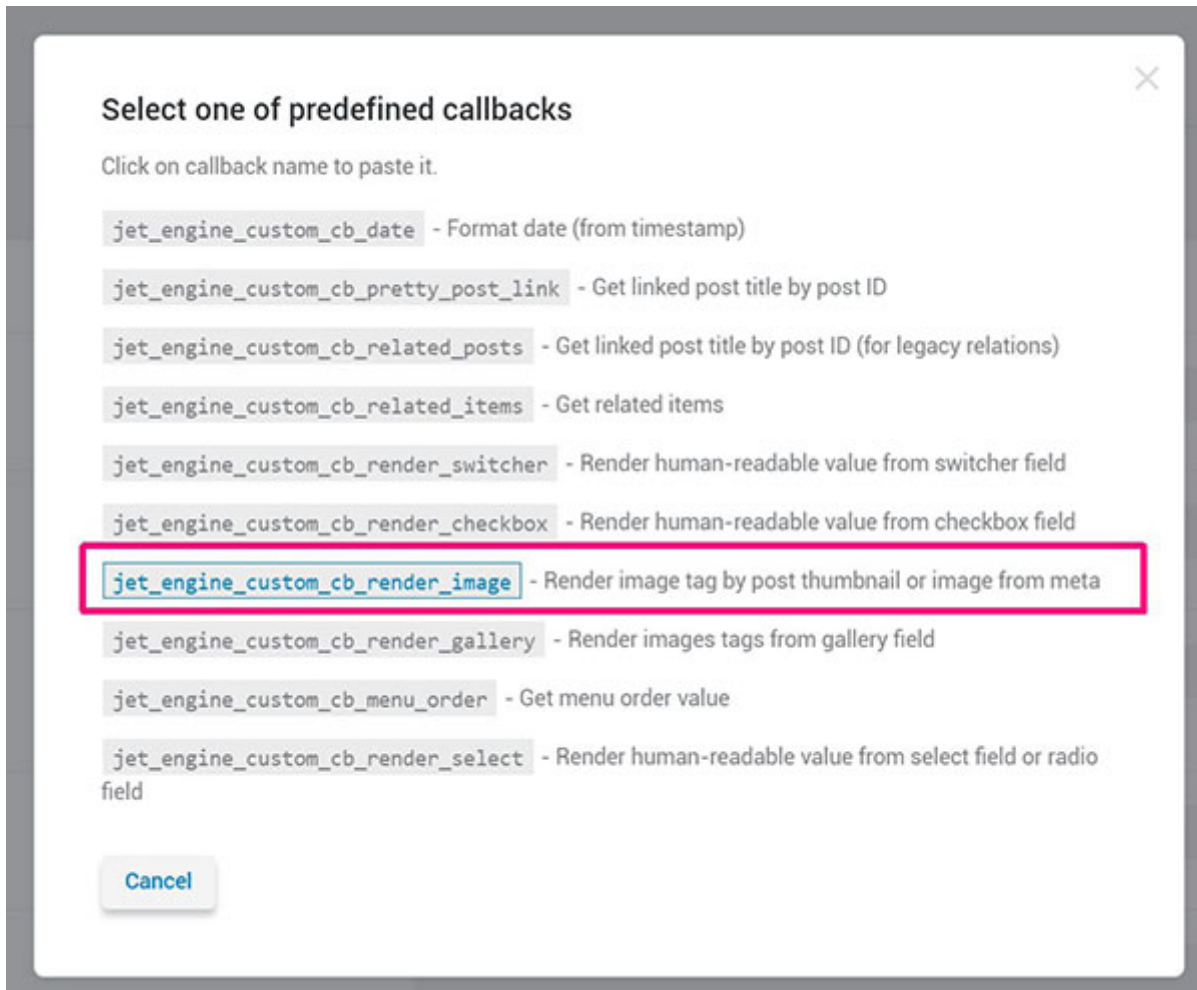
- WPADMIN > JetEngine > Post Types > Click "Properties" in Post Type column
- Scroll to bottom and click Admin Columns > Add New
- **Title:** Featured Image
- **Type:** Select from existing callbacks"

`jet_engine_custom_cb_render_image` Render image tag by post thumbnail or image from meta

- Set Field: thumbnail

- Size: 100

- **Column Order:** 2



ADMIN COLUMN: PROPERTY LOCATION

- **Title:** Property Location
- **Type:** Meta Value
- Scroll up to the Location custom field and grab the field ID/Name
- **Field Name:** location
- **Column Order:** 3
- **Is Sortable:** yes
- Update Post Type
- Go back to the properties list and you can see the new columns are there

NEXT: Creating custom taxonomies

08. CREATING CUSTOM TAXONOMY

- Create Property Types taxonomy
- **JetEngine > Taxonomies > Add New**

General Settings:

- **Taxonomy Name:** Property Types
- **Post Type:** Properties

Labels:

- (optional)

Advanced Settings:

#TIP: Admin Menu is also called admin bar (menu at top in wpadmin)

- **Hierarchical:** Yes

Meta Fields:

- Can add extra info to an archive page
- Will deal with this in a different video
- Click "Add Taxonomy" to save
- Refresh -> Now Property Types should be a submenu in wpadmin under "Properties"

Property Types:

(Name Slug)

- Flats flats
- Apartments apartments
- Houses houses



"Parent Category" dropdown only shows up because we set the taxonomy as hierarchical

- Now if we add a new property, we will see the "Property Types" selector metabox on the right

CREATING A PROPERTY: APARTMENT

- Ground Apartment, 2 para, price 350k, London, add 4 pix in gallery

- Add filler text in content
 - Prop Type: Apartments
 - Choose Featured image
 - Price: 350000
 - Location: London
 - Gallery: Choose a few images
 - PUBLISH
-

ADD A FEW MORE PROPERTIES:

- Beach Front Studio, Bristol, 1,350,880
- Modern House, Cardiff, 1,209,771
- Beachfront Condo, Miami, FL, 250,899
- Farmhouse in Kent, 1,322,900
- Now look at Properties list page and all our relevant info should be in the columns

#GOTCHA: HAD TO GIT REBASE TO CHANGE SOME OLDER COMMIT MESSAGES FROM README.MD TO NOTES.MD

09. CREATING TEMPLATE FILES

- Wpadmin > Templates > Theme Builder



#GOTCHA: He has already created templates: Default Footer and Default Header

CREATE ARCHIVE

- **Name:** Default Property Archive
- Start from scratch
- You should now see an Elementor editor window with just a header and footer
- In the middle click the "+" plus sign to add a new section > 1 row 1 col
- Add 50px padding top/bottom



#TIP: Since we have selected to create an Archive template, special archive-only widgets now are available in the Elementor editor

- Drag in **Archive Posts** widget
- Gear settings left bottom corner

Preview Settings

- Properties Archive > Apply and Preview
- Now we should see the 3 dummy property posts we made
- Click the Archive Posts widget
- **Skin:** Cards
- **Image size:** Medium Large
- **Image Ratio:** 0.7
- **DISABLE:** comments, dates, excerpt, read more, badge, avatar



#TIP: Disabling all those extras gives us a nice, CLEAN layout

- Publish > **Conditions** > Properties Archive > Save and Close

How to Reference our Post Types:

- JetEngine > Post Types > Post type Slug
- Copy slug
- **Appearance** > Menus > Main Menu
- **Custom Link:**
 - URL: /properties/
 - Link Text: Properties



#TIP: By using the /[SOMETHING]/ construct for the URL, we make the link domain-agnostic 😊

- Set Main Menu as **primary** > Save Menu

#TIP: DEFAULT HEADER

(Left to right)

LOGO white ----- Home -- Sample Page -- Properties | [phone icon][📞]
NNN-NNN-NNNN

#TIP: DEFAULT FOOTER

LOGO LARGE color ----- [SEARCH FIELD -> Enter your email to join our mailing list]
[button -> Yes, Please ->]

[HR 100% Width]

Follow Us -- [social icons] ----- [©] All Rights Reserved

- Navigate to Home page
- Click on Properties menu item
- Now you should see our 3 properties in a row -> This is the archive page 😊



#GOTCHA: If you click on a post it is a very basic layout with none of the extra custom fields / meta fields we provided. We need to create custom single property template.

10. CREATING SINGLE POST TEMPLATE

- Wpadmin > Templates > Single > Properties > Default Property Single > Create Template



#TIP: There are single-post-only widgets available in the Elementor editor now

- ADD SEC: 1 row, 1 col
- Add 50px top/bottom Padding
- Drag **featured image** widget into sec
- Create a 2 col sec [75 / 25]
- Add **post title** into left col
- Add **post content** into left col

Add Gallery:

- Drag **gallery** widget (from Pro sec) below post content
- Click the [database] icon (aka: dynamic data) > JetEngine Gallery
- Click wrench icon 🔧

- Click Field > Gallery
 - We can now configure the gallery
 - **Columns:** 3
 - **Image Size:** Medium Large
-

- Add **heading** widget above gallery: Property Gallery
-

ADD IN CUSTOM FIELD VALUES

Price

- Scroll to bottom to JetEngine's **Listing Elements** sec in Elementor widgets
- Drag **dynamic field** widget into right col
 - Source: Meta Data
 - Meta Field: Property Price



#GOTCHA: The price is just an un-formatted number.

- **Filter field output:**
- Callback: Format Number
 - Decimal points: 0
- **Customize field output:**
- Field format:

Price \$%s

Location

- Clone price field
- Field format: Location: %s
- Publish > Add Condition:
 - Properties > All > Save and Close

11. CUSTOM LISTINGS

- JetEngine has ability to create **custom listings**

- A **listing** is the way a single post appears in a post list / post grid
- A post list / grid is called a **loop**
- JetEngine > Listings > Add New
- **Listing Source:** Posts
- **From Post Type:** Properties
- **Listing Item Name:** Property Listing
- **Listing View:** Elementor



#TIP: JetEngine works with both Elementor and Gutenberg

- Create Listing Item

-
- Gear Settings lower left - Listing Item Settings:
 - **Listing Source:** Posts
 - **From Post type:** Properties
 - **Preview Width:** 380px

-
- In Elementor Widgets editor: Go to bottom in **Listing Elements** section:
 - Drag in **dynamic image** widget
 - **Image Size:** Medium large
 - **Linked Image:** yes
 - **Link Source:** Permalink
 - **Alignment:** Center

-
- Add **dynamic field** widget: Title

-
- Add **dynamic field** Meta Data: Property Price
 - Filter field output
 - Callback: Format Number
 - Decimal points: 0
 - Field format: Price \$%s

- Add **dynamic field** Meta Data: Location
 - Filter field output: DISABLE
 - Field format: Location: \$%s

- Click the listing section
- Add box shadow
- Add 20px padding
- Publish



#GOTCHA: Page refresh doesn't change the look!

- Exit to Dashboard
- Templates
- Default Property Archive > Edit with Elementor
- Delete post archive widget
- Drag in JetEngine Listing Grid widget
- **Listing:** Property Listing

12. OUTRO

- Just stuff about like , subscribe, check out other videos, etc.

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