The Template File Hierarchy

WordPress:

 uses the query string to decide which template or set of templates should be used to display the page. The query string is information that is contained in the link to each part of your website.

Put simply, WordPress searches down through the template hierarchy until it finds a matching template file. To determine which template file to use, WordPress:

Matches every query string to a query type to decide which page is being requested (for example, a search page, a category page, etc);

Single Pages

With a firm grasp of how archive pages work, we can move on to the single pages of your WordPress site. These include individual pages like single posts, static pages, attachment posts, and individual posts in custom post types.

Archive Pages

Archive pages are pages that show a list of posts pulled from a specific group. This includes author pages, category pages, custom post type pages, date pages, and anywhere else where pages are meaningfully grouped together.

The default template for archive pages is titled, not surprisingly, archive.php. If a more specific template file is not indicated for an archive page, then archive.php will be used.

What is a 404 landing page?

Image result for 404 page convention

A 404 page is a landing page that tells your site viewers the requested page is unavailable or, in some cases, doesn't exist. A 404 error tells users the page cannot be accessed – and it can be a major problem. When users can't access a page, they can't find the information they need.

methods:

getheader:the get_headers() function in PHP is used to fetch all the headers sent by the server in the response of an HTTP request.

getfooter:he get_headers() function in PHP is used to fetch all the footers sent by the server in the response of an HTTP request.

get_template_directory_uri()

Retrieves template directory URI for current theme.

_post In PHP

PHP $_POST is a PHP super global variable which is used to collect form data after submitting an HTML form with method="post". $_POST is also widely used to pass variables.

the_title(string $before = '', string $after = '', bool $echo = true)

Display or retrieve the current post title with optional markup.

the_content(string $more_link_text = null, bool $strip_teaser = false)

Display the post content.

1. the_post_thumbnail('post-thumbnail' , ['class' => 'img-responsive responsive--full' , 'title' => 'Feature image']); Using the array's keys and values to populate different attributes. You can use this to add classes to the post thumbnail.

get avatar:An avatar makes your site feel more personal and helps users know you better as a person. WordPress integrates with Gravatar to provide its users with avatars. Gravatar is a platform that lets users upload an image, then use that image as an avatar across different websites

get_the_title:

This function displays or returns the unescaped title of the current post. This tag may only be used within The Loop, to get the title of a post outside of the loop use get_the_title. If the post is protected or private, this will be noted by the words "Protected: " or "Private: " prepended to the title.