MMP350 Class Notes Week 8

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This Week's goals

This week we will briefly review how to create custom themes and templates in WordPress. The class will then divide up. Those students who are behind on their assignments will catch up while the rest of the class will read up on Shortcodes, and Galleries. Those who are interested can learn how to use Bootstrap and jQuery in WP, using the examples at the end of this document.

Materials

Several examples in this document require images. It is best to use your own. However, if you do not have any, you can download images here:

https://wpmmp.bmcc.cuny.edu/~bmacmill/classes/week8_images.zip

Creating a Child Theme

Purpose

To demonstrate best practices when customizing an existing theme. See <u>https://codex.wordpress.org/Child_Themes</u> for details.

Overview

"A child theme is a theme that inherits the functionality and styling of another theme, called the parent theme. Child themes are the recommended way of modifying an existing theme."

To create a child theme you need to create a child theme folder in wpcontent/themes, create a style.css and functions.php file in that folder.

Note that this example uses the teletype theme as the parent style. In the example below you will replace *teletype* with your parent theme folder name

Step: Create a Child Theme Folder

Create a child theme folder in wp-content/themes. Ideally give it the same name as the parent theme, with a –child extension. Do not include spaces in the child theme folder name.



Figure: The theme with the child theme

If you go to Appearance Themes in your dashboard you will see the following error:

Broken Themes

The following themes are installed but incomplete.

Name Description

mytheme Stylesheet is missing.

Template is missing. Standalone themes need to have a Teletype index.php template file. <u>Child themes</u> need to have a Template header in the style.css stylesheet.

To correct this, add a template tag to the child theme's style.css with the parent template's name.

/*
Theme Name: Teletype-child
Theme URI: http://dinevthemes.com/themes/teletype/
Author: Brian MacMillan
Author URI: http://brianmacmillan.com/
Template: teletype

Step: Enqueue the child theme's style sheets

Add the following code to the functions.php file of your child theme:

```
function my_theme_enqueue_styles() {
    $parent_style = 'teletype-style';
    wp_enqueue_style( $parent_style, get_template_directory_uri() . '/style.css' );
    wp_enqueue_style( 'child-style',
        get_stylesheet_directory_uri() . '/style.css',
        array( $parent_style ),
        wp_get_theme()->get('Version')
    );
}
add_action( 'wp_enqueue_scripts', 'my_theme_enqueue_styles' );
```

Note that because parent style has been set as a dependency, the child theme's style sheet will load after the parent theme's style sheet.

Also note that get_template_directory_uri() returns the parent styles directory. To get the child directory use get_stylesheet_directory_uri().

Custom Templates

So far we've used standard templates, **index.php**, **front-page.php**, **home.php** and **blog.php**. The following exercise shows you how to create custom templates. This is a WP feature I use all the time.

https://premium.wpmudev.org/blog/creating-custom-page-templates-inwordpress/

Shortcodes

Shortcodes are instructions that you can insert into a blog or a page that simplify common tasks, like creating a slideshow or linking to a **youtube** video.

https://en.support.wordpress.com/shortcodes/

Creating an Image Gallery in WP

There are a number of ways to create slideshows in WordPress. The following example from **wpbeginner.com** provides two good examples.

http://www.wpbeginner.com/beginners-guide/how-to-create-an-image-gallery-in-wordpress/

Gallery Slideshow

Here is a second example that demonstrates how to create a gallery slideshow using a plugin.

https://wordpress.org/plugins/gallery-slideshow/

Accessing Bootstrap in WordPress

To access bootstrap in a WordPress theme all you need to do is download bootstrap, copy it to a folder in your theme (for example bootstrap) and then enqueue the files with the following code, in functions.php:

function register_bootstrap() {
 wp_enqueue_script('bootstrap-js', get_template_directory_uri() . '/bootstrap/jbootstrap.min.js', array(
 'jquery'), '3.3.2', true);
 wp_enqueue_style('bootstrap.css', get_template_directory_uri() . '/bootstrap/bootstrap.min.css?v= 3.3.7'
);
} add_action('wp_enqueue_scripts', 'register_bootstrap');

Download bootstrap from:

http://getbootstrap.com/

Exercise: Creating a Bootstrap Carousel

If you are using a theme based on bootstrap then you can use a bootstrap carousel plugin for your slideshows. This example uses the **CPT Bootstrap Carousel**.

Once installed and activated click on the Carousel menu

Dashboard	Add New Carousel Image	
🖈 Posts		Publish
9) Media	Turnal	Save Draft
📕 Pages	Excerpt	P Status: Draft Edit
🗟 Carousel		Visibility: Public Edit
Carousel	h	Hill Publish immediately Edit
Add New Categories	Excerpts are optional hand-crafted summaries of your content that can be used in your theme. Learn more about manual excerpts.	Put
Settings		
Comments		Categories
Appearance		All Categories Most Used
🖌 Plugins		Abstract
🚢 Users		People
ر Tools		+ Add New Category
5 Settings		
Collapse menu		Post Attributes
		Order
		0
		Featured Image
		Set featured image

You can now give your image a title and excerpt. You choose an image by clicking Set Featured Image. You should also assign the image a category.

Once this is done you can easily set up a carousel with the following commands:

Edit Page Add New
People
Permalink: http://localhost:8888/BMCC/portfc
Add Media
b i link b-quote del ins img
[image-carousel category="people"]

Exercise: Creating a multi-column post template using bootstrap and frontpage.php

Step

Add bootstrap files to your project and register them in functions.php

Step

Copy the file front-page.php from the file
https://wpmmp.bmcc.cuny.edu/~bmacmill/classes/week8.zip

to your root folder. If you already have a front-page.php, then consider merging the two files. Please talk with the instructor if you have questions.

```
<?php get_header(); ?>
<div id="front-page">
<?php
    $args = array(
        "category_name" => "featured"
    );
    $featured = new WP_Query($args);
?>
<?php $count = 0; ?>
<?php $columnNumber = 3; ?>
<?php if(have_posts()) : while($featured->have_posts()) : $featured->the_post(); ?>
    <?php if ($count % $columnNumber == 0) : ?>
        <div class="row">
    <?php endif; ?>
    <div class="feature-post small-12 col col-sm-6 col-md-4">
        <a href="<?php the_permalink(); ?>">
            <?php the_post_thumbnail(); ?>
            <div class="feature-title">
                <?php the title(); ?>
                <?php the_content(); ?>
            </div>
        </a>
    </div>
    <?php if ($count % $columnNumber == $columnNumber - 1) : ?>
        </div>
    <?php endif; ?>
    <?php $count = $count + 1; ?>
<?php endwhile; ?>
<?php endif; wp_reset_postdata(); ?>
</div>
<?php get_footer(); ?>
```

Step: Add the appropriate bootstrap classes

Referring to the following documentation, assign classes to div.feature-post based on the the bootstrap column format you wish to use for your site.

https://v4-alpha.getbootstrap.com/layout/grid/

Note

The code used in this example can be copied to any custom template file.

Exercise: Regenerating Thumbnails

There are a number of utilities that allow you to regenerate thumbnails. This exercise will use the Regenerate Thumbnails plugin.



Figure: Go to Plugins Add New and search on Regenerate Thumbnails.

Next activate the plugin

Regenerate Thumbnails Activate Edit Delete	
Plugin	

Select Regenerate Thumbnails from the Settings screen



Figure: Select to regenerate thumbnails.

Regenerate Thumbnails

Use this tool to regenerate thumbnails for all images that you have uploaded to your blog. This is useful if you've changed any of the thumbnail dimensions on the media settings page. Old thumbnails will be kept to avoid any broken images due to hard-coded URLs.

You can regenerate specific images (rather than all images) from the <u>Media</u> page. Hover over an image's row and click the link to resize just that one image or use the checkboxes and the "Bulk Actions" dropdown to resize multiple images (WordPress 3.1+ only).

Thumbnail regeneration is not reversible, but you can just change your thumbnail dimensions back to the old values and click the button again if you don't like the results.

To begin, just press the button below.

Regenerate All Thumbnails

Figure: Press Regenerate All Thumbnails to regenerate. The current media settings will be used.

Exercise: Creating and Formatting a Gallery Using Fancybox

Step: Create a gallery

Edit your photos page and click the Add Media button



Figure 1: Click the "Add Media" button in a new post or page. Use the photos page for this example.

Select Create Gallery

Insert Media

Create Gallery

Featured Image

Insert from URL

Figure 2: Choose "Create Gallery", select the images you want to use.



Figure: once you have selected the images you want, press "Create a New Gallery"



Figure: Once you have created a gallery you can edit it, to add captions and reorder images.

when to	Suicry, functions	S. Php	D
ise_defaul	t_gallery_style	·. 'return,	false
to St	n new sty hyles. 155;	lesheet	
18 11 12 13 14 45	nt url('circle-	images.css');	

Figure: You can add your own styles to the gallery using the CSS rules WP automatically applies to galleries. In this example the file 'circle-images.css' is being imported to the project.



Figure: These are the basic style rules. You may want to add your own.

If you want pop up images, use a javascript library like Fancybox.

Step: Create a Lightbox using the jQuery plugin Fancybox and a Gallery What follows is based on the tutorial at:

http://code.tutsplus.com/tutorials/add-a-responsive-lightbox-to-your-wordpresstheme--wp-28100

Fancybox is included in the file week8.zip:

https://wpmmp.bmcc.cuny.edu/~bmacmill/classes/week8.zip

	category-photo.php
	category.php
	circle-images.css
🔹 🔻 🛅	fancybox
	blank.gif
	fancybox_loading.gif
	fancybox_loading@2x.gif
	fancybox_overlay.png
	fancybox_sprite.png
	fancybox_sprite@2x.png
	🐑 fancybox-wp-init.js
►	helpers
	💼 jquery.fancybox.css
	🐑 jquery.fancybox.js
	🐑 jquery.fancybox.pack.js
	🐑 readme.md

Figure: Week 8 Files

Step

To make the jQuery plugin work you need to enqueue it. To do so, add the following code to functions.php.

```
// Enqueue Scripts/Styles for our Lightbox
function add fancybox() {
   wp enqueue script( 'fancybox-js', get template directory uri() .
'/fancybox/jquery.fancybox.pack.js', array( 'jquery' ), false, true );
   wp enqueue style( 'fancybox-style', get template directory uri() .
'/fancybox/jquery.fancybox.css' );
    //this is our code that sets up fancybox to use in WP
   wp_enqueue_script( 'fancybox-wp-init', get_template_directory_uri()
. '/fancybox/fancybox-wp-init.js', array( 'fancybox-js'), false, true
);
    //this lets you see other images as thumbs
   wp enqueue script( 'fancybox-thumbs', get template directory uri()
. '/fancybox/helpers/jquery.fancybox-thumbs.js', array( 'fancybox-js'
), false, true );
   wp_enqueue_style( 'fancybox-style-thumbs',
get template directory uri() . '/fancybox/helpers/jquery.fancybox-
thumbs.css', array('fancybox-style') );
add action( 'wp enqueue scripts', 'add fancybox' );
```

Step

Add the following code to fancybox-wp-init.js. This is the file that will initialize the jQuery plugin.

(function(\$) {

 $//\ensuremath{\mathsf{Make}}$ modifications to this file as needed to customize fancybox to your needs.

// Initialize the Lightbox for any links with the 'fancybox' class
\$(".fancybox").fancybox();

// Initialize the Lightbox and add rel="gallery" to all gallery images when the gallery is set up using [gallery link="file"] so that a Lightbox Gallery exists

\$(".gallery a[href\$='.jpg'], .gallery a[href\$='.png'], .gallery a[href\$='.jpeg'], .gallery a[href\$='.gif']").attr('rel','gallery').fancybox();

```
//If you want your gallery to have thumbnails at the bottom use
this instead of line 10 above
    /*
    $(".gallery a[href$='.jpg'], .gallery a[href$='.png'], .gallery
a[href$='.jpeg'], .gallery
a[href$='.gif']").attr('rel','gallery').fancybox({
        helpers : {
            thumbs: {
                width : 50,
                height : 50
               }
        });
        */
```

// Initalize the Lightbox for any links with the 'video' class and provide improved video embed support

```
$(".video").fancybox({
    maxWidth : 800,
    maxHeight : 600,
    fitToView : false,
    width : '70%',
    height : '70%',
    autoSize : false,
    closeClick : false,
    openEffect : 'none',
    closeEffect : 'none'
});
```

Note: The above code contains examples for video and for images. Only include the code you actually use in your final project.

The sample so far is set up to automatically add a lightbox for all links to files with the .jpeg, jpg, .png and gif extensions. Simply referencing a jpg will activate the lightbox:

You can create a 'lightbox gallery' by adding the same 'rel' attribute to several links. Here is an example from the tutsplus.com tutorial:



Or you can insert any WordPress gallery into your post or page. If you do this, you must link the thumbnails to the images files:

Gallery Settings		
Link thumbnails to:	 Image File 	Attachment Page
Order images by:	Menu order	\$
Order:	 Ascending 	
Gallery columns:	3 \$	

Figure: Linking thumbnails to image files. Note that this view may vary depending on which version of WordPress you are using.

Video support is added by adding the video and fancybox.iframe classes to the element linking to your video, for example:

```
<a href="http://player.vimeo.com/video/50006726?badge=0"
class="video fancybox.iframe">
Click this to open up a Video from Vimeo!
</a>
```

Additional Reading

How to Add Posts to Pages

The Wordpress Loop.

Template hierarchy

Comments template.

Date and time format.

Tags

Author posts

Enqueueing