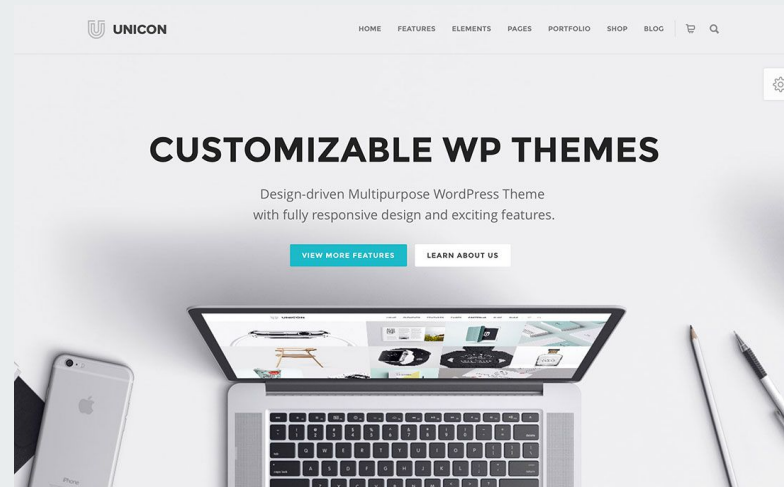




Wordpress Custom Theming

A review on wordpress
custom theming principles





style.css, index.php & functions.php

Create a style.css, index.php and functions.php file. These will create a custom theme that can be selected within the wordpress admin.

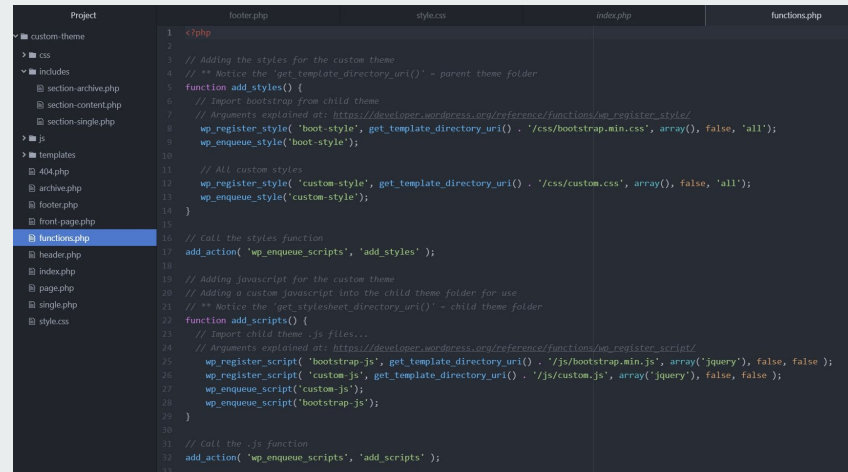
```
14 wp_enqueue_style( 'custom-style' );
15 }
16 // Call the styles function
17 add_action( 'wp_enqueue_scripts', 'add_styles' );
18
19 // Adding javascript for the custom theme
20 // Adding a custom javascript into the child theme folder for use
21 // ** Notice the 'get_stylesheet_directory_uri()' + child theme folder
22 function add_scripts() {
23     // Import child theme .js files...
24     // Arguments explained at: https://developer.wordpress.org/reference/functions/wp_register_script/
25     wp_register_script( 'bootstrap-js', get_template_directory_uri() . '/js/bootstrap.min.js', array('jquery'), false, false );
26     wp_register_script( 'custom-js', get_template_directory_uri() . '/js/custom.js', array('jquery'), false, false );
27     wp_enqueue_script( 'custom-js' );
28     wp_enqueue_script( 'bootstrap-js' );
29 }
```

```
1 /*
2  Theme Name: Custom Theme
3  Author: Jared
4  Version: 1.0
5  */
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functions.php

The functions.php file will allow you to load css and javascript into the wordpress theming environment.

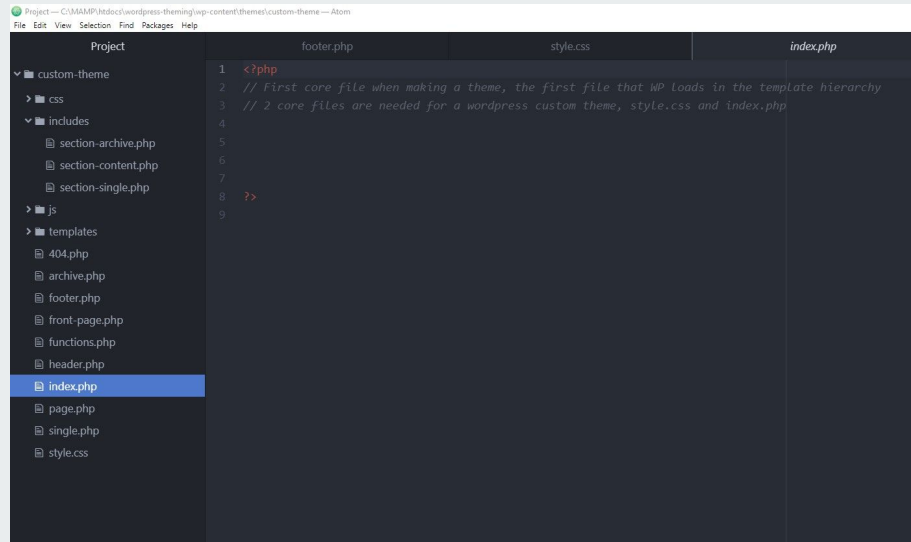


```
1 <?php
2
3 // Adding the styles for the custom theme
4 // ** Notice the 'get_template_directory_uri()' = parent theme folder
5 function add_styles() {
6     // Import bootstrap from child theme
7     // Arguments explained at: https://developer.wordpress.org/reference/functions/wp_register_style/
8     wp_register_style( 'boot-style', get_template_directory_uri() . '/css/bootstrap.min.css', array(), false, 'all' );
9     wp_enqueue_style( 'boot-style' );
10
11     // All custom styles
12     wp_register_style( 'custom-style', get_template_directory_uri() . '/css/custom.css', array(), false, 'all' );
13     wp_enqueue_style( 'custom-style' );
14 }
15
16 // Call the styles function
17 add_action( 'wp_enqueue_scripts', 'add_styles' );
18
19 // Adding javascript for the custom theme
20 // Adding a custom javascript into the child theme folder for use
21 // ** Notice the 'get_stylesheet_directory_uri()' = child theme folder
22 function add_scripts() {
23     // Import child theme .js files...
24     // Arguments explained at: https://developer.wordpress.org/reference/functions/wp_register_script/
25     wp_register_script( 'bootstrap-js', get_template_directory_uri() . '/js/bootstrap.min.js', array('jquery'), false, false );
26     wp_register_script( 'custom-js', get_template_directory_uri() . '/js/custom.js', array('jquery'), false, false );
27     wp_enqueue_script( 'custom-js' );
28     wp_enqueue_script( 'bootstrap-js' );
29 }
30
31 // Call the .js function
32 add_action( 'wp_enqueue_scripts', 'add_scripts' );
33
```



index.php

Index.php is needed for the custom theme to work. It is a core file, sometimes not actually referenced by Wordpress, but needed in the root dir.



The screenshot shows the Atom code editor interface. On the left, the 'Project' sidebar displays a file tree for a custom theme. The tree structure is as follows:

- custom-theme
 - css
 - includes
 - section-archive.php
 - section-content.php
 - section-single.php
 - js
 - templates
 - 404.php
 - archive.php
 - footer.php
 - front-page.php
 - functions.php
 - header.php
 - index.php** (highlighted)
 - page.php
 - single.php
 - style.css

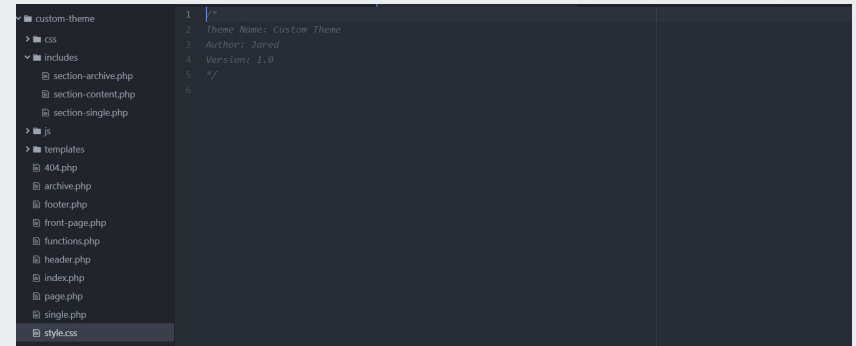
The main editor area shows the content of the selected `index.php` file. The code is as follows:

```
1 <?php
2 // First core file when making a theme, the first file that WP loads in the template hierarchy
3 // 2 core files are needed for a wordpress custom theme, style.css and index.php
4
5
6
7
8 ?>
9
```



style.css

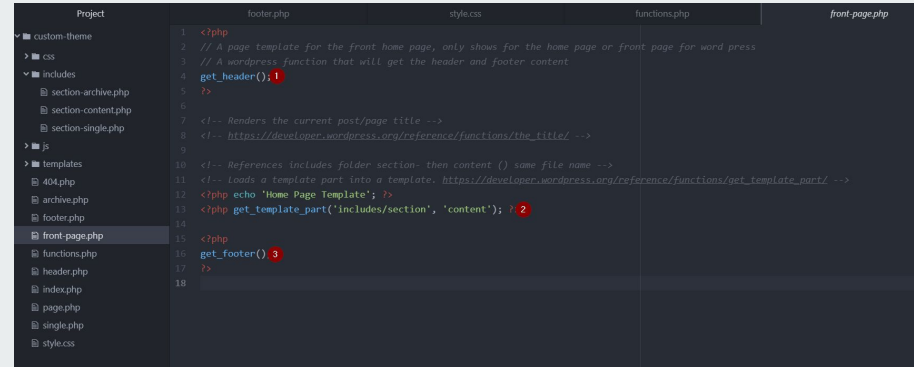
As with a child theme, your custom theme will require a style.css file. This can be used for css but is primarily for registering the theme with wordpress.



front-page.php

A page template that will be used for your front home page in wordpress.

1. A wordpress function that pulls in the header.php file and information.
2. A wordpress function that references includes and pulls in the middle content section of the page (can sometimes contain a wordpress loop).
3. A wordpress function that pulls in the footer.php file and information.



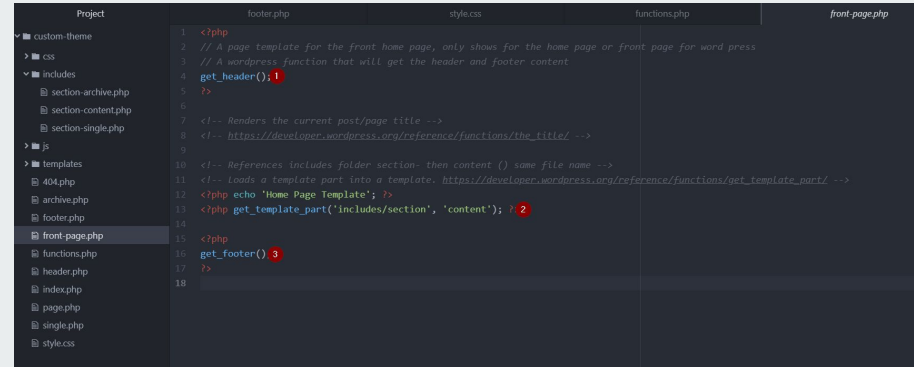
```
Project
├── custom-theme
│   ├── CSS
│   ├── includes
│   │   ├── section-archive.php
│   │   ├── section-content.php
│   │   └── section-single.php
│   ├── js
│   └── templates
│       ├── 404.php
│       ├── archive.php
│       ├── footer.php
│       └── front-page.php
│           ├── functions.php
│           ├── header.php
│           ├── index.php
│           ├── page.php
│           ├── single.php
│           └── style.css
└── style.css

front-page.php
1 <?php
2 // A page template for the front home page, only shows for the home page or front page for word press
3 // A wordpress function that will get the header and footer content
4 get_header(); 1
5 <?>
6
7 <!-- Renders the current post/page title -->
8 <!-- https://developer.wordpress.org/reference/functions/the_title/ -->
9
10 <!-- References includes folder section- then content () same file name -->
11 <!-- Loads a template part into a template. https://developer.wordpress.org/reference/functions/get_template_part/ -->
12 <?php echo 'Home Page Template'; ?>
13 <?php get_template_part('includes/section', 'content'); 2
14
15 <?php
16 get_footer() 3
17 <?>
18
```

front-page.php

A page template that will be used for your front home page in wordpress.

1. A wordpress function that pulls in the header.php file and information.
2. A wordpress function that references includes and pulls in the middle content section of the page (can sometimes contain a wordpress loop).
3. A wordpress function that pulls in the footer.php file and information.



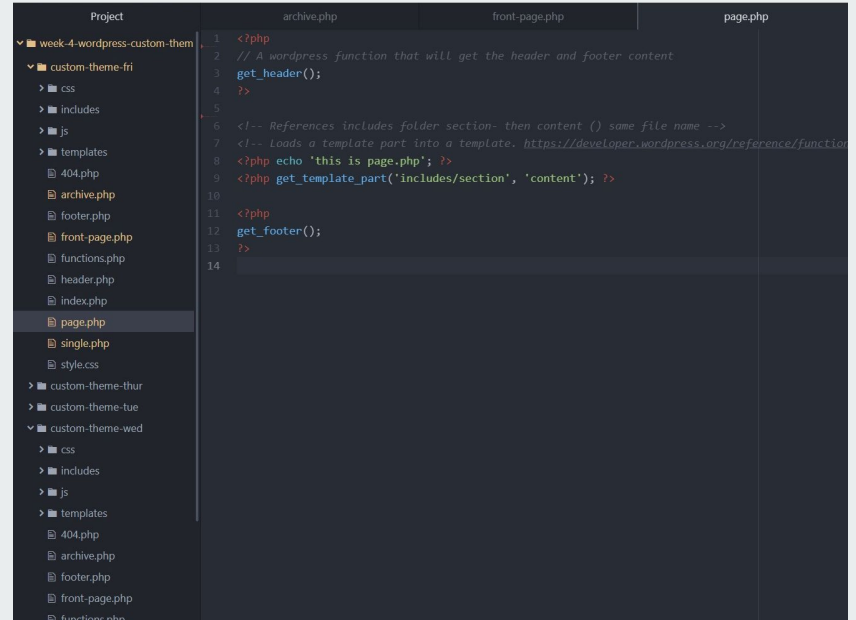
```
Project: custom-theme
├── css
├── includes
│   ├── section-archive.php
│   ├── section-content.php
│   └── section-single.php
├── js
├── templates
│   ├── 404.php
│   ├── archive.php
│   ├── footer.php
│   └── front-page.php
├── functions.php
├── header.php
├── index.php
├── page.php
├── single.php
└── style.css

1 <?php
2 // A page template for the front home page, only shows for the home page or front page for word press
3 // A wordpress function that will get the header and footer content
4 get_header(); 1
5
6
7 <!-- Renders the current post/page title -->
8 <!-- https://developer.wordpress.org/reference/functions/the_title/ -->
9
10 <!-- References includes folder section- then content () same file name -->
11 <!-- Loads a template part into a template. https://developer.wordpress.org/reference/functions/get_template_part/ -->
12 <?php echo 'Home Page Template'; ?>
13 <?php get_template_part('includes/section', 'content'); 2
14
15 <?php
16 get_footer() 3
17 ?>
18
```



page.php

This page is referenced for any pages created in wordpress. You can control the pages individually by using *page templates*.



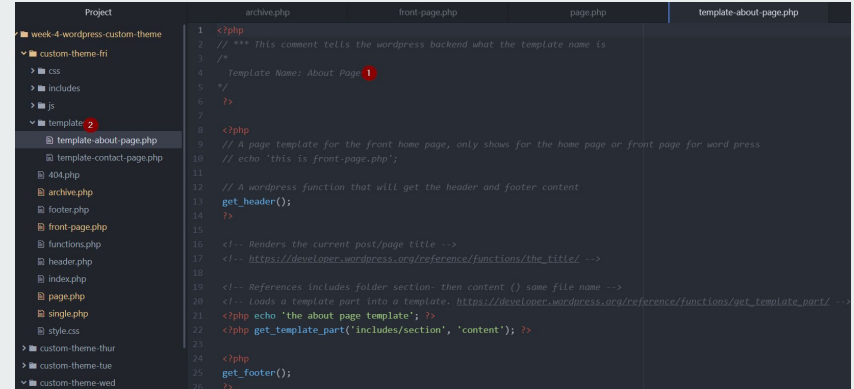
The screenshot shows a code editor with a sidebar on the left displaying a file tree. The main editor area shows the code for `page.php`. The file tree includes a project named 'week-4-wordpress-custom-theme' with subfolders 'custom-theme-fri', 'custom-theme-thur', 'custom-theme-tue', and 'custom-theme-wed'. Each subfolder contains 'css', 'includes', 'js', and 'templates' subfolders. The 'templates' folder in 'custom-theme-fri' is expanded, showing files like `404.php`, `archive.php`, `footer.php`, `front-page.php`, `functions.php`, `header.php`, `index.php`, `page.php` (selected), `single.php`, and `style.css`. The code in `page.php` is as follows:

```
1 <?php
2 // A wordpress function that will get the header and footer content
3 get_header();
4 ?>
5
6 <!-- References includes folder section- then content () same file name -->
7 <!-- Loads a template part into a template. https://developer.wordpress.org/reference/functions/get_template_part -->
8 <?php echo 'this is page.php'; ?>
9 <?php get_template_part('includes/section', 'content'); ?>
10
11 <?php
12 get_footer();
13 ?>
14
```

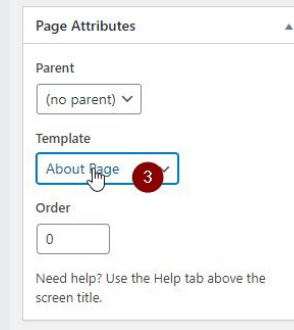

Page templates

Wordpress will allow you to create pages that associate to page templates. This allows control in code across different web pages.

1. Remember to include the comment at the top of the template file.
2. Place all template files in the templates folder.
3. Remember to select the right template in the wordpress admin within the pages edit section (Bottom right corner)



```
1 <?php
2 // *** This comment tells the wordpress backend what the template name is
3 /*
4  * Template Name: About Page 1
5  */
6 ?>
7
8 <?php
9 // A page template for the front home page, only shows for the home page or front page for word press
10 // echo 'this is front-page.php';
11
12 // A wordpress function that will get the header and footer content
13 get_header();
14 ?>
15
16 <!-- Renders the current post/page title -->
17 <!-- https://developer.wordpress.org/reference/functions/the_title/ -->
18
19 <!-- References includes folder section- then content () same file name -->
20 <!-- loads a template part into a template. https://developer.wordpress.org/reference/functions/get_template_part/ -->
21 <?php echo 'the about page template'; ?>
22 <?php get_template_part('includes/section', 'content'); ?>
23
24 <?php
25 get_footer();
26 ?>
```



Page Attributes

Parent
(no parent) v

Template
About page 3 ✓

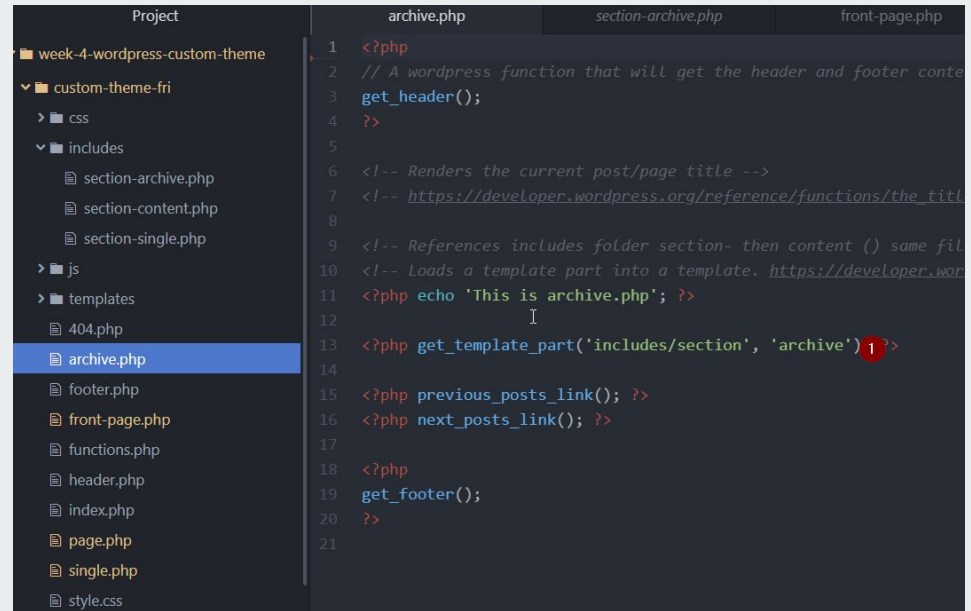
Order
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Need help? Use the Help tab above the screen title.



archive.php

The archive.php page is set up for Blogs. It allows users to list and control the listing of blogs with the wordpress loop.



```
Project
├── week-4-wordpress-custom-theme
│   ├── custom-theme-fri
│   │   ├── css
│   │   ├── includes
│   │   │   ├── section-archive.php
│   │   │   ├── section-content.php
│   │   │   └── section-single.php
│   │   ├── js
│   │   ├── templates
│   │   │   ├── 404.php
│   │   │   └── archive.php
│   │   ├── footer.php
│   │   ├── front-page.php
│   │   ├── functions.php
│   │   ├── header.php
│   │   ├── index.php
│   │   ├── page.php
│   │   ├── single.php
│   │   └── style.css
└── ...

archive.php
1 <?php
2 // A wordpress function that will get the header and footer conte
3 get_header();
4 ?>
5
6 <!-- Renders the current post/page title -->
7 <!-- https://developer.wordpress.org/reference/functions/the_titl
8
9 <!-- References includes folder section- then content () same fil
10 <!-- Loads a template part into a template. https://developer.wor
11 <?php echo 'This is archive.php'; ?>
12 I
13 <?php get_template_part('includes/section', 'archive') ?>
14
15 <?php previous_posts_link(); ?>
16 <?php next_posts_link(); ?>
17
18 <?php
19 get_footer();
20 ?>
21
```



single.php

The single.php file is used to display individual blog posts.

archive.php	section-single.php	front-page.php	page.php
-------------	--------------------	----------------	----------

```
1 <?php
2 // A wordpress function that will get the header and footer content
3 get_header();
4 ?>
5
6 <!-- Renders the current post/page title -->
7 <!-- https://developer.wordpress.org/reference/functions/the\_title/ -->
8
9 <!-- References includes folder section- then content () same file name -->
10 <!-- Loads a template part into a template. https://developer.wordpress.org/reference
11 <?php echo 'This is single.php'; ?>
12
13 <div class="container">
14
15     <?php get_template_part('includes/section', 'single'); ?> 1
16
17 </div>
18
19 <?php
20 get_footer();
21 ?>
22
```



The Wordpress loop.

The wordpress loop is a php while loop pattern that controls the output of pages and posts.

```
1 <!-- A post loop format for ***PAGES*** will identify what page is being used and display
2 the relevant content. -->
3 <?php if ( have_posts() ) : ?>
4     <?php while ( have_posts() ) : the_post(); ?>
5
6         <div class="row">
7             <div class="col-md-10">
8
9                 <!-- Do stuff LOOP -->
10                <h1><?php the_title(); ?></h1> 1
11                <p><?php the_date(); ?></p> 2
12
13                <!-- *** If a thumbnail exists..... -->
14                <?php if ( the_post_thumbnail() ) {
15                    // Render it on the single post page
16                    the_post_thumbnail();
17                } ?>
18                <!-- *** thumbnail image conditional ENDS -->
19
20                <p><?php the_content(); ?></p> 3
```

functions.php can also:

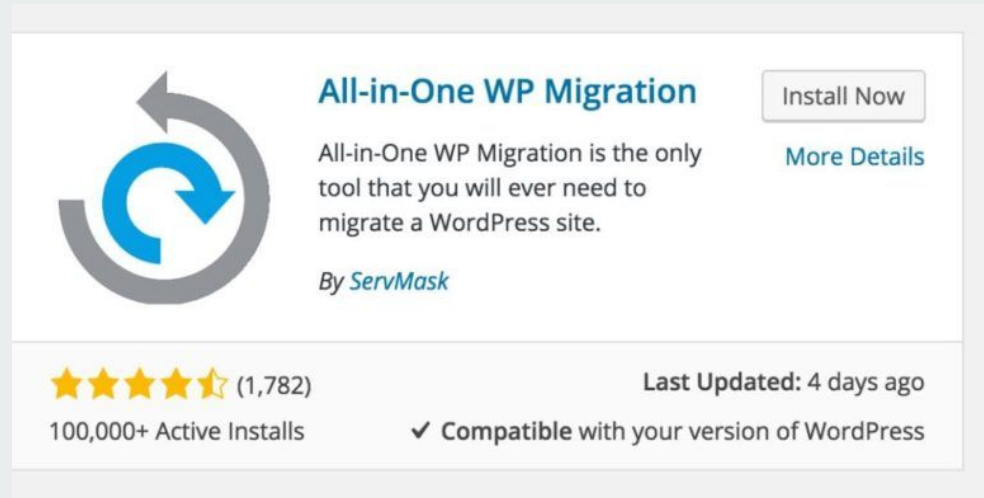
- Add menus
- Add a custom logo
- Add widgets

```
37 // Registering a main upper menu and mobile menu with wordpress admin
38 register_nav_menus(
39     array(
40         // Id of the menu || The displayed name of the menu
41         'upper-menu' => 'Upper Menu',
42         'upper-mobile-menu' => 'Upper Mobile Menu',
43     )
44 );
45
46
47 // Add support for blog post featured image/thumbnail
48 add_theme_support( 'post-thumbnails' );
49 set_post_thumbnail_size( 600, 400 );
50
51 // Add support for a custom Logo within the Theme
52 function themename_custom_logo_setup() {
53     $defaults = array(
54         'height'      => 100,
55         'width'       => 400,
56         'flex-height' => true,
57         'flex-width'  => true,
58         'header-text' => array( 'site-title', 'site-description' ),
59         'unlink-homepage-logo' => false,
60     );
61     add_theme_support( 'custom-logo', $defaults );
62 }
```

Remember:

- Use the Wordpress documentation site if needed
- Comment and structure your code with care
- Backup your site daily with All In One Backup ->
- Repo with all demo code at:

<https://github.com/veratechnz/Yoobee-CMS-PHP>



The image shows the user interface of the 'All-in-One WP Migration' plugin. It features a logo with two circular arrows, one blue and one grey. The title 'All-in-One WP Migration' is in blue, followed by a description: 'All-in-One WP Migration is the only tool that you will ever need to migrate a WordPress site.' Below this, it says 'By ServMask'. On the right, there is an 'Install Now' button and a link for 'More Details'. At the bottom, there is a star rating of 4.5 stars (1,782 reviews), '100,000+ Active Installs', and a checkmark indicating it is 'Compatible with your version of WordPress'. The text 'Last Updated: 4 days ago' is also present.

All-in-One WP Migration

Install Now

More Details

All-in-One WP Migration is the only tool that you will ever need to migrate a WordPress site.

By *ServMask*

★★★★★ (1,782)

100,000+ Active Installs

✓ Compatible with your version of WordPress

Last Updated: 4 days ago