

# Theme Development

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# Development Setup

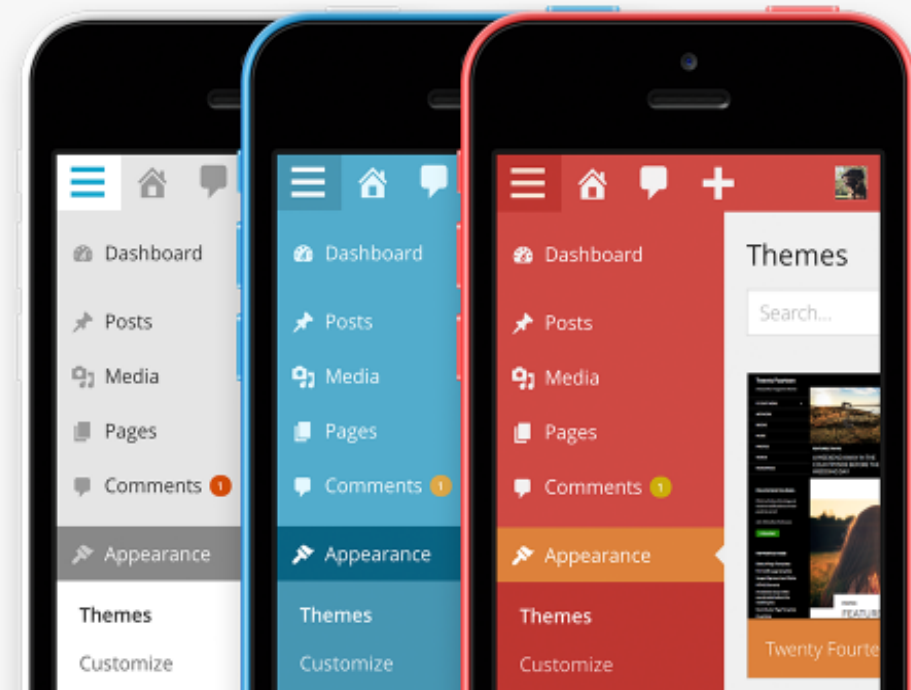
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## Need two things to get started:

1. Local development environment with a web server stack (like XAMPP, MAMPP, or LAMPP )
2. A fresh install of the latest version of WordPress





WordPress is web software you can use to create a beautiful website, blog, or app. We like to say that WordPress is both free and priceless at the same time.

The core software is built by hundreds of community volunteers, and when you're ready for more there are thousands of [plugins](#) and [themes](#) available to transform your site into almost [anything you can imagine](#). Over 60 million people have chosen WordPress to power the place on the web they call "home" — we'd love you to join the family.

Ready to get started?

[Download WordPress 4.5.3](#)

## WordPress Swag



## News From Our Blog

### WordPress 4.6 Beta 1

WordPress 4.6 Beta 1 is now available! This software is still in development, so we don't recommend you run it on a production site. Consider setting up a test site just to play with the new version. To test WordPress 4.6, try the

## It's Easy As...

- 1 [Find a Web Host](#) and get great hosting while supporting WordPress at the same time.
- 2 [Download & Install WordPress](#) with our famous 5-minute installation. Feel like a

## WordPress Users



# wp-config.php

```
Define( 'WP_DEBUG', false );
```



```
Define( 'WP_DEBUG', true );
```



# Setting Up a New Theme

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# Finishing Theme Setup

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# Creating an Index.php Template

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# Creating the Home Page

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# Adding a Header and Footer Template

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# Adding Menus

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```
wp_nav_menu( $args = array() )
```



`'menu_class'`

*(string) CSS class to use for the ul element*

`'menu_id'`

*(string) CSS ID to use for the ul element*

`'before'` and `'after'`

*(string) Text to add before or after the link text*

`'theme_location'`

*(string) Theme location to be used.*



# Functions.php and WordPress Hooks

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# Hooks

Allow you to “hook” into WordPress and use your own custom functions under certain situations



# Actions

A custom function that gets triggered when a specific WordPress event occurs





# Filters

A custom function that gets passed specified data and outputs modified data



# Creating the Header and Footer Navigation

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# Creating Page Templates

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# Global Page Templates

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# Registering Widget Areas

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```
register_sidebar( $args = array() )
```



`'name'`

*(string) The name or title of the sidebar displayed in the Widgets interface*

`'id' and 'class'`

*(string) ID/class for the sidebar*

`'description'`

*(string) Description of the sidebar, shown in Widgets interface*

`'before_widget' and 'after_widget'`

*(string) HTML content to prepend/append to each widget's HTML output*



# Creating a Dynamic Sidebar Template

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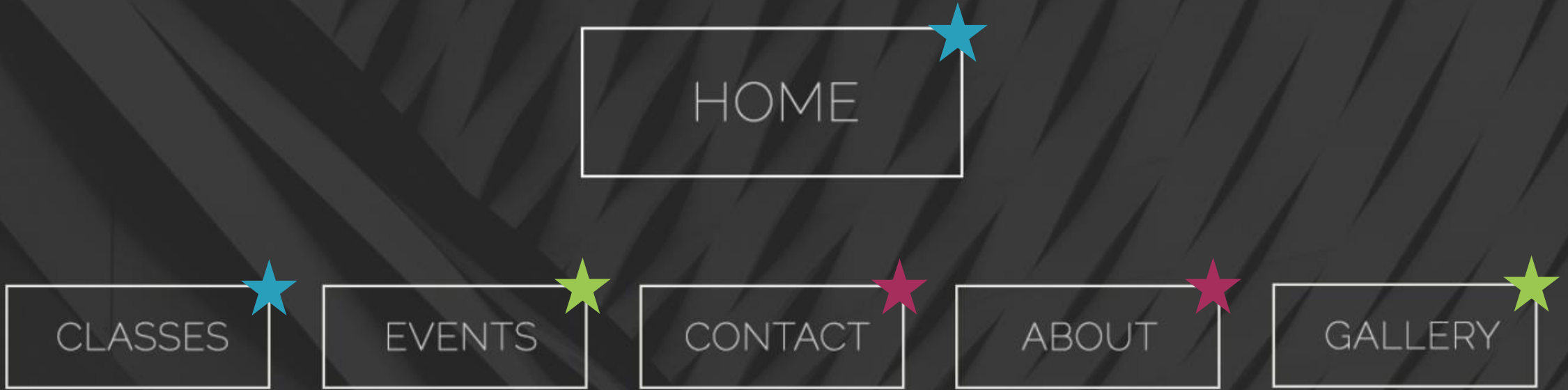




# Finishing Up

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★ Custom page design

★ Page template

★ Plugins