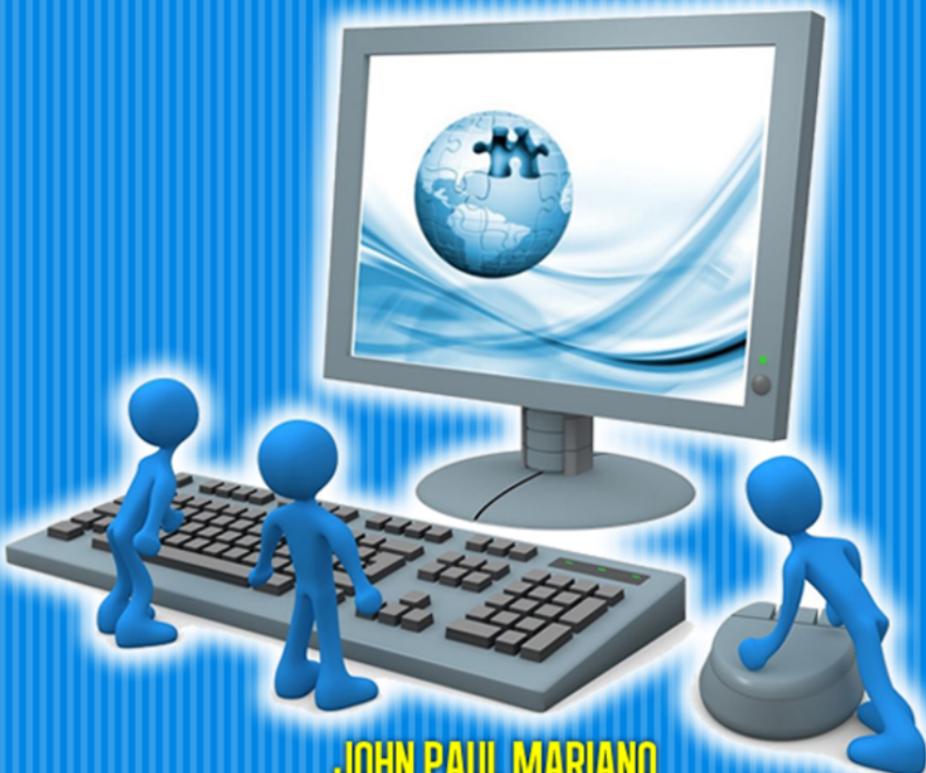


# INSTALLING A WEBSITE TEMPLATE



JOHN PAUL MARIANO

## How to Install a Website Template

### Step 1: Purchased and download the necessary items (Technologies)

- Domain Name
  - What is a domain name? To explain it in layman's term, it is the name of your website as it appears in your url.
  - Where to get a domain name?
    - There are a lot of sites where you can purchase a domain name.
      - [www.google.com](http://www.google.com)
      - [www.yahoo.com](http://www.yahoo.com)
      - [www.webupps.com](http://www.webupps.com)
    - Note: Domain name has to be unique. Domain provider has a program to check if your desired domain name is unique.
  - Web Hosting
    - What is a web host? A storage space (normally a web server) where your electronic web files will be uploaded. Examples of these electronic files are: html, php, css and etc..
      - Web Host normally package with a cpanel. A Cpanel is an intuitive controller to manage your sites.
    - So, who host websites?
      - Normally, domain name providers also provide web hosting.
        - [www.google.com](http://www.google.com)
        - [www.yahoo.com](http://www.yahoo.com)
        - [www.webupps.com](http://www.webupps.com)
    - What's the difference between these domain name and hosting providers?
      - Normally it is the price? In my experience as a web designer and developer, here are the lists of price comparisons.
        - Google is the most expensive
        - Yahoo – normally cheap for the first year, but then it gets expensive after a year
        - [www.webupps.com](http://www.webupps.com) – The cheapest
      - Yahoo – Doesn't have a Cpanel
  - A website template
    - Which template to get?
      - Html templates – the easiest and the least expensive way to have a website
      - CMS Templates – easy to install, price depends on what particular cms
        - Open Source CMS Template (Three top common)
          - Wordpress – famous for the 5 minutes install
            - Good for personal blogging sites
          - Joomla – requires more learning curve than wordpress or html
            - Good for small to medium business
          - Drupal – very powerful and highly scalable, but learning curve intensive
            - Good for e-commerce and enterprise website
        - Closed source CMS
          - Sharepoint – expensive, but have good technical support
      - Flash templates
        - It looks highly animated, however html5 is not supporting flash

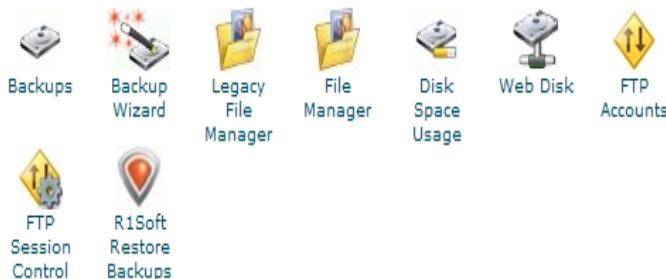
- What is html5? It is the web browser standard way to read your website files.
  - Note: These are just the most popular and highly supported templates
- Where to buy?
  - Templatemonster.com – normally expensive, but have a high quality designs
  - <http://www.quackit.com/html/templates/> - perfect for those who wants a free website
  - <http://themeforest.net/> - high quality, cheap, but designs are limited compared to templatemonster.com

Step 2: Familiarize your web hosting control panel. We use Cpanel in our example.

- Your web domain and web hosting provider should already given you access to your site.
- The Cpanel is very intuitive. However, if you are having a hard time understanding what Cpanel icons represent, there's a ton of site to get a reference from.
- Since our discussion focus on template installation, here are the technologies and terminologies that you have to know:
  - Database – you only need to know if you want to install a CMS, or anything that deals with saving data
  - FTP – This is what you need to know for any website technologies
    - Normally, this is all you need to know to install html templates

Step 3: Create FTP and/or Database accounts

- To create an FTP account
  - Login to your Cpanel – you should see a diamond shape ftp account's icon



- Click on FTP icon – This GUI bellow should appear

[Video Tutorial](#)

Add FTP Account

Login:	<input type="text"/> @diamondsandpearlsdesigner.com <small>Only letters, numbers, -, and _ are allowed.</small>
Password:	<input type="password"/>
Password (Again):	<input type="password"/>
Strength (?):	Very Weak (0/100) <a href="#">Password Generator</a>
Directory:	<input type="text"/> /home1/diamonds8/
Quota:	<input checked="" type="radio"/> 2000 MB <input type="radio"/> Unlimited
<a href="#">Create FTP Account</a>	

- Fill in necessary information
- If you need help, click on video tutorial
- Note: Make sure you point your FTP directory to public\_html
  - Asked for your webhost provider if you are having problems

**Add FTP Account**

Login: test @diamondsandpearlsdesigner.com

Password: Password strength must be at least 20.

Password (Again):

Strength (?): Strong (66/100) [Password Generator](#)

Directory: /home1/diamonds8/public\_html

- Save the username and password
- Click on Configure FTP Client

FTP Accounts					
LOGIN	PATH	USAGE / QUOTA	ACTIONS		
allan@diamondsandpearlsdesigner.com	/home1/diamo.../public_html	0 / ∞ MB	Change Password	Change Quota	Delete <a href="#">Configure FTP Client</a>
jmariano@diamondsandpearlsdesigner.com	/home1/diamo.../public_html	0 / ∞ MB	Change Password	Change Quota	Delete <a href="#">Configure FTP Client</a>
joseph@diamondsandpearlsdesigner.com	/home1/diamo...c_html/sites	0 / ∞ MB	Change Password	Change Quota	Delete <a href="#">Configure FTP Client</a>

- Save this information along with your password

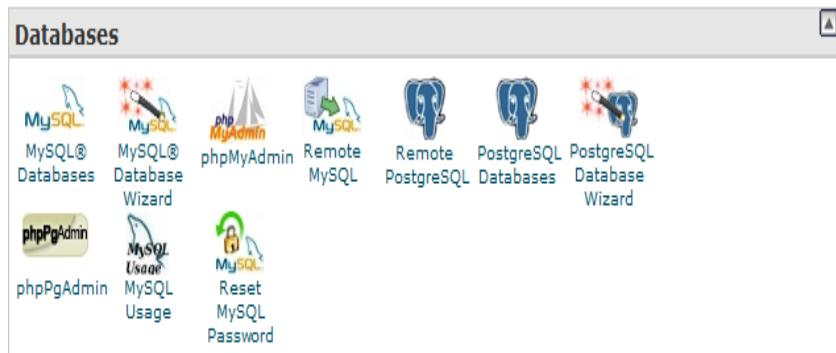
**Manual Settings**

FTP Username: **jmariano@diamondsandpearlsdesigner.com**  
 FTP Server: **ftp.diamondsandpearlsdesigner.com**  
 FTP Server Port: **21**

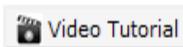
**Configuration Files**

 Filezilla for Windows	 Core FTP for Windows	 Cyberduck for Mac
<a href="#">FTP Configuration File Instructions (new window)</a>	<a href="#">FTP Configuration File Instructions (new window)</a>	<a href="#">FTP Configuration File Instructions (new window)</a>
<a href="#">cancel</a>		

- To create a Database
  - Click on MySQL database icon



- o The icon bellow should show up



#### Create New Database

New Database: diamons8\_

- Fill-in the database name that you desired
- If you need further help, click on video tutorial
- Save the database name

- o Create a database account

#### MySQL Users

##### Add New User

Username: diamons8\_ ! Username must be alphanumeric characters.

Password:

Password (Again):

Strength (why?): Very Weak (0/100)

- Fill-in the username name and password that for the database
- If you need further help, click on video tutorial
- Save the MySQL username and Password information

- o Add MySQL user account to database that you've just created

#### Add User To Database

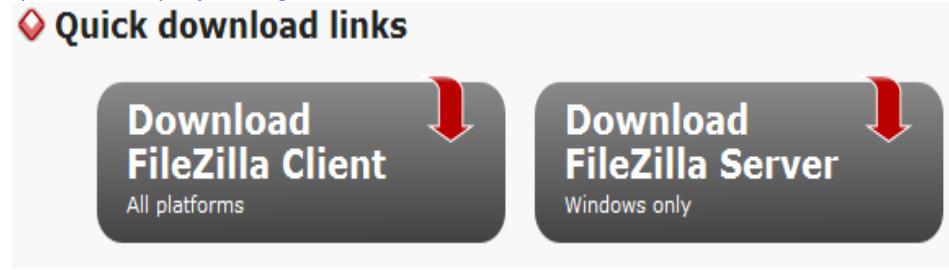
User: diamons8\_john

Database: diamons8\_wordpress

- o Now, you should be ready to install your Website CMS template

Step 4: Install Filezilla

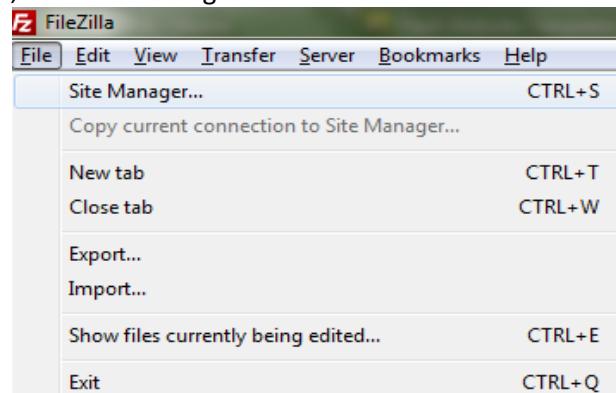
- What is filezilla? An FTP program so you can send files to your web server.
- Go to <http://filezilla-project.org/>



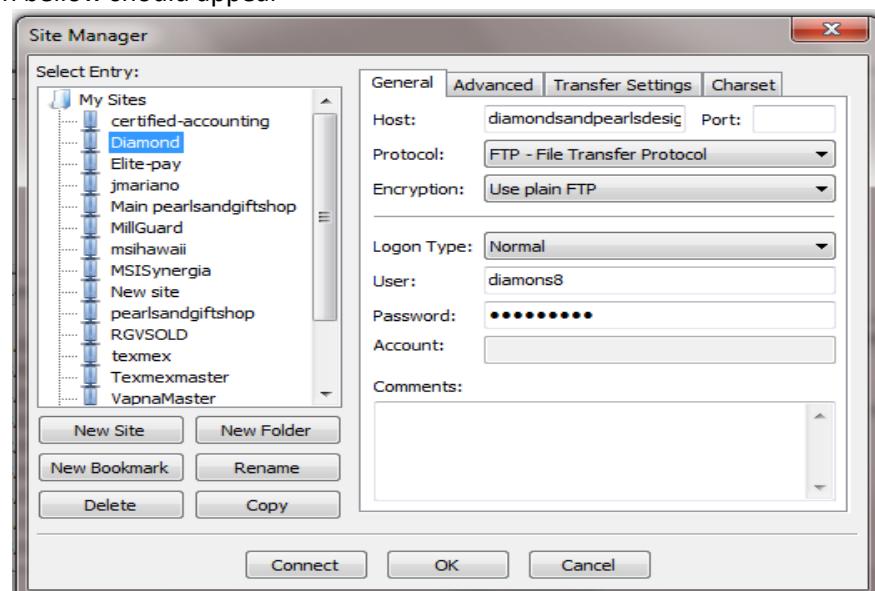
- Download Filezilla Client
  - Follow installation instruction

Step 5: Add your FTP account in your filezilla program

- Open the program
- Click file, then site manager



- This icon bellow should appear

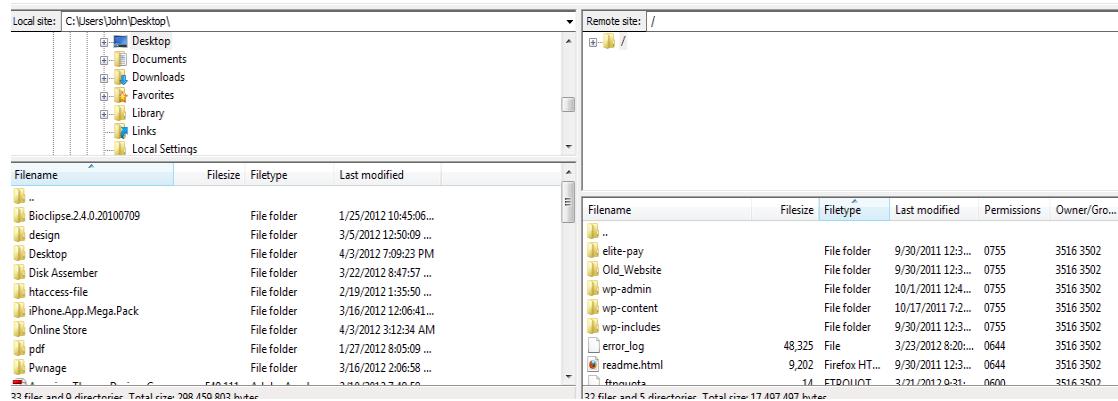


- Fill-in all necessary information from FTP accounts
  - Make sure to put a port number and your password is correct
  - If you are having a problem, contact your domain and hosting provider

- Click-connect, when finished
- This should automatically connect you to public\_html directory

#### Step 6a: Install your html template (For CMS template go to 6b)

- Open your html template folder (Most of the time – there should be an instruction as to which file to upload)
- In your filezilla
  - the left pane should be your local computer
  - the right pane should connect to public\_html (your web host)



- Make sure to delete all the file inside public\_html if there is any
- Just drag and drop the html file from your local computer (which is the left pane) to your web host server (the right pane)
- Your html template should now work!!!
  - Visit your site to check: [www.example.com](http://www.example.com)
- If you need to edit the template, please read books about html. The learning curve in learning html is not that intensive.

#### Step 6b: Installing CMS (We will use worpress in our example)

- Download the core CMS files from <http://wordpress.org/download/>
- Unzip or Unrar the files
- Upload the Wordpress CMS files to your web server
  - This process should be the same as 6a
- Get your database information ready (from step 3)



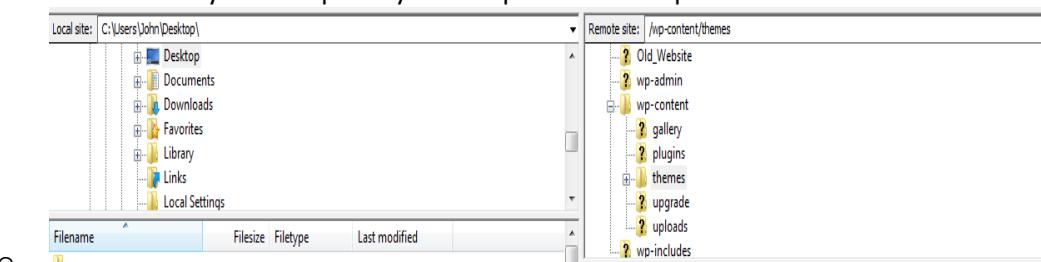
Below you should enter your database connection details. If you're not sure about these, contact your host.

Database Name	<input type="text" value="wordpress"/>	The name of the database you want to run WP in.
User Name	<input type="text" value="username"/>	Your MySQL username
Password	<input type="password" value="password"/>	...and MySQL password.
Database Host	<input type="text" value="localhost"/>	You should be able to get this info from your web host, if localhost does not work.
Table Prefix	<input type="text" value="wp_"/>	If you want to run multiple WordPress installations in a single database, change this.

- Fill in:
  - Database name
  - Username
  - Password
  - Database host: it should be localhost (but make sure to check your local host provider as it may vary)
  - Table Prefix: leave the default information
- After you click submit, it should ask for your e-mail
  - Enter the any e-mail address that you have
  - Normally, this e-mail address will be your administrator's address
- Your wordpress CMS should now run perfectly!!!
  - Visit your site to check: [www.example.com](http://www.example.com)
  - A default worpress template should show
- To login to your worpress GUI, type [www.example.com/wp-admin](http://www.example.com/wp-admin)
- Your worpress CMS is now ready for template installation?

#### Step 7: Installing your wordpress template

- Get your worpress template ready (see step 1)
- You should still be connected to your FTP server using filezilla
- In your remote site, navigate to wp-content/themes
  - This is where you will upload your worpress cms template



- Upload the cms template from your local site to your remote site
- Minimize the filezilla
- Log-in to your wordpress site: [www.example.com/wp-admin](http://www.example.com/wp-admin)

- In your mid-right pane, you should see the word appearance
  - From appearance click on themes
    - Your manage themes should appear. In addition, your wordpress cms template should appear



**Black Tec 1.0 by qualitywordpress.com**

*The Black tec theme is a futuristic professional wordpress design.*

[Activate](#) | [Preview](#) | [Delete](#)

- All of this theme's files are located in `/themes/blacktec`.
- Now, what should you do? You guess it right. Click on activate!!!

- Logout from your site and see the changes it made in your site.
- If you need to edit your site, the template you purchased should include the instruction. If not, call the site where you download or purchase your template for help.

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Work Title: Web Designer and Developer

E-mail: jppm8387@yahoo.com

Address: Edinburg, Texas USA

Website: [www.webupps.com](http://www.webupps.com)

Phone: 956-720-0663

Installing Wordpress:

Create and Edit wp-config

```
// ** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define('DB_NAME', 'wp_test');

/** MySQL database username */
define('DB_USER', 'root');

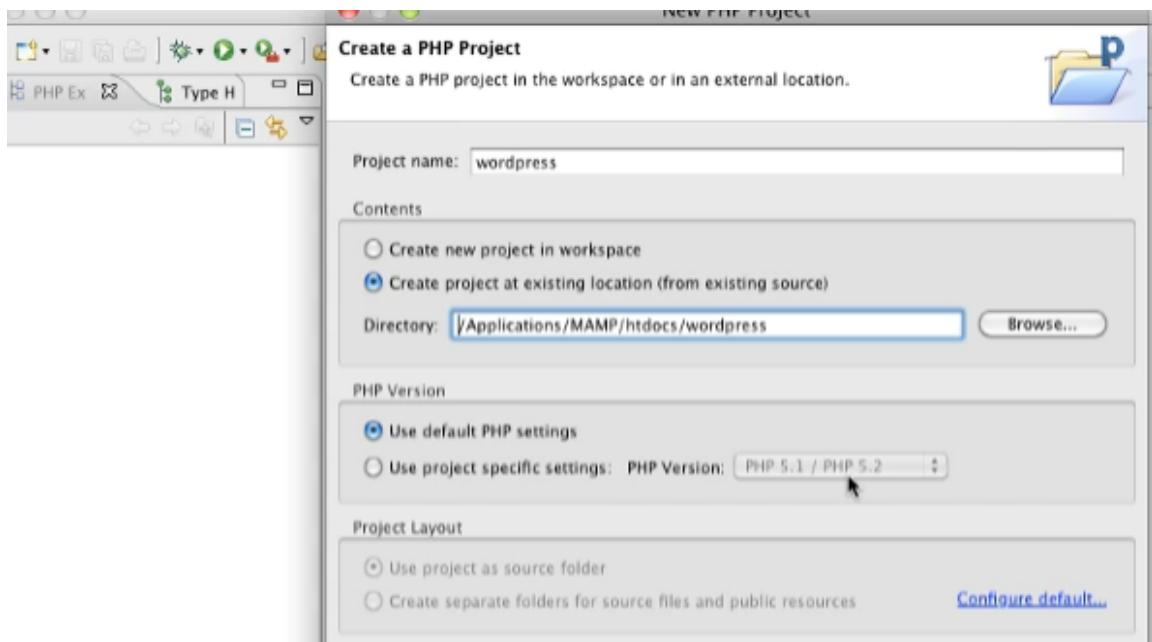
/** MySQL database password */
define('DB_PASSWORD', 'password_here');

/** MySQL hostname */
define('DB_HOST', 'localhost');

/**#@+
 * Authentication Unique Keys and Salts.
 *
 * Change these to different unique phrases!
 * You can generate these using the {@link https://api.wordpress.org/secret-key/1.1/salt/} WordPress.org
 * secret-key service
 * You can change these at any point in time to invalidate all existing cookies. This will force all users
 * to have to log in again.
 *
 * @since 2.6.0
 */
define('AUTH_KEY',         'put your unique phrase here');
define('SECURE_AUTH_KEY',  'put your unique phrase here');
define('LOGGED_IN_KEY',    'put your unique phrase here');
define('NONCE_KEY',        'put your unique phrase here');
define('AUTH_SALT',        'put your unique phrase here');
define('SECURE_AUTH_SALT', 'put your unique phrase here');
define('LOGGED_IN_SALT',   'put your unique phrase here');
define('NONCE_SALT',       'put your unique phrase here');

/**#@-
```

Setup Development Environment



## Securing Wordpress

- Use Strong Password
- Don't Use Admin username
- You can Change the Table Prefix
- Move the wp-config one directory up

To protect your wp-config.php file, place this in your .htaccess file:

```
<Files wp-config.php>
order allow,deny
deny from all
</Files>
```

}

- For SSL Sites

put this in your wp-config.php file:

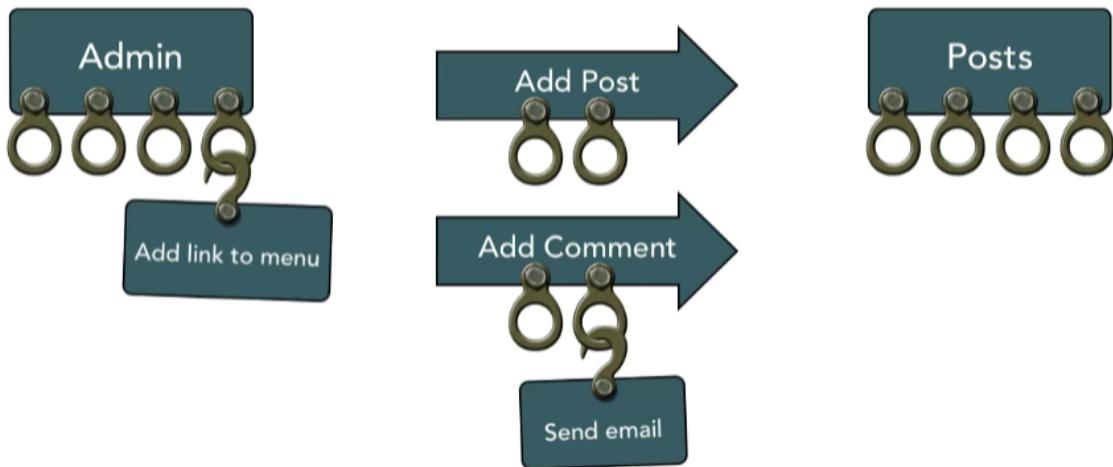
```
define('FORCE_SSL_ADMIN', true);
```

o

RSS Feeds: <http://feedburner.google.com/fb/a/emailsyndicationSubmit>

0204 Introduction to hooks [http://codex.wordpress.org/Plugin\\_API](http://codex.wordpress.org/Plugin_API)

## WORDPRESS: HOOKS



[http://adambrown.info/p/wp\\_hooks](http://adambrown.info/p/wp_hooks)

[http://codex.wordpress.org/Writing\\_a\\_Plugin#License](http://codex.wordpress.org/Writing_a_Plugin#License)

0301 Creating the plugin PHP file(s).mov

Steps:

- 0301 Creating the plugin PHP file(s).mov Create a Unique Plugin Folder
- Create an index.php

Created with



download the free trial online at [nitropdf.com/professional](http://nitropdf.com/professional)

```
1 <?php
2 /*
3 Plugin Name: Drew's Awesome Widget
4 Plugin URI: http://www.falkonproductions.com/first_plugin
5 Description: This plugin does awesome things
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com
9
10 Copyright 2010 Drew Falkman
11
12 This program is free software; you can redistribute it and/or modify
13 it under the terms of the GNU General Public License, version 2, as
14 published by the Free Software Foundation.
15
16 This program is distributed in the hope that it will be useful,
17 but WITHOUT ANY WARRANTY; without even the implied warranty of
18 MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
19 GNU General Public License for more details.
20
21 You should have received a copy of the GNU General Public License
22 along with this program; if not, write to the Free Software
23 Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
24 */
```

## 0302 More on hooks Actions and filters.mov

1. [Actions](http://codex.wordpress.org/Plugin_API/Action_Reference): Actions are the hooks that the WordPress core launches at specific points during execution, or when specific events occur. Your plugin can specify that one or more of its PHP functions are executed at these points, using the Action API.
  1. [http://codex.wordpress.org/Plugin\\_API/Action\\_Reference](http://codex.wordpress.org/Plugin_API/Action_Reference)
2. [Filters](http://codex.wordpress.org/Plugin_API/Filter_Reference): Filters are the hooks that WordPress launches to modify text of various types before adding it to the database or sending it to the browser screen. Your plugin can specify that one or more of its PHP functions is executed to modify specific types of text at these times, using the Filter API.
  1. [http://codex.wordpress.org/Plugin\\_API/Filter\\_Reference](http://codex.wordpress.org/Plugin_API/Filter_Reference)

## 0303 Installation and activation.mov

### Example Code To Check Wordpress Version

```
P *copyright_plugin.php X
1 <?php
2 /*
3 Plugin Name: My copyright plugin
4 Plugin URI: http://www.falkonproductions.com/copyright_plugin/
5 Description: This plugin leaves a copyright stamp.
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11 global $wp_version;
12
13 if ( !version_compare($wp_version,"3.0",">=") )
14 {
15     die("You need at least version 3.0 of Wordpress to use the copyright plugin");
16 }
```

0304 Writing activation code.mov

```
activate_plugin.php X
1 <?php
2 /*
3 Plugin Name: Drew's Activated Plugin
4 Plugin URI: http://www.falkonproductions.com/activatedPlugin/
5 Description: This plugin will get activated
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11 function my_plugin_activate()
12 {
13     // db create, create options, etc.
14     error_log("my plugin activated");
15 }
16
17 register_activation_hook(__FILE__,"my_plugin_activate");
```

**PHP error log in MAMP: /Applications/MAMP/logs/**

**PHP error log in WAMP: c:\Program Files\WAMP\logs**

```
function my_plugin_deactivate()
{
    error_log("my plugin deactivated");
}

register_deactivation_hook(__FILE__,"my_plugin_deactivate");
```

0305 Writing an action.mov

```
cc_comment.php ✘
1 <?php
2 /*
3 Plugin Name: CC Comment Plugin
4 Plugin URI: http://www.falkonproductions.com/ccComment/
5 Description: This plugin sends an email when a comment is made
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11 function cc_comment()
12 {
13     global $_REQUEST;
14
15     $to = "drew@somewhere.com";
16     $subject = "New comment posted @ yourblog " . $_REQUEST['subject'];
17     $message = "Message from: " . $_REQUEST['name'] . " at email " . $_REQUEST['email'] .
18             ": \n" . $_REQUEST['comments'];
19     mail($to,$subject,$message);
20 }
21
22 add_action('comment_post','cc_comment');
```

### 0306 Writing a filter.mov

```
*feed_copyrigher.php ✘
1 <?php
2 /*
3 Plugin Name: Content Watermark Plugin
4 Plugin URI: http://www.falkonproductions.com/ccComment/
5 Description: This plugin will add a "watermark" to content
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11 function cwp_add_content_watermark( $content )
12 {
13     if ( is_feed() )
14     {
15         return $content . ' Created by Falkon Productions, copyright ' .
16                     date('Y') .
17                     ' all rights reserved.';
18     }
19
20     return $content;
21 }
22
23 add_filter('the_content','cwp_add_content_watermark');
```

See: <http://localhost:8888/wordpress/?feed=rss2>

### 0307 About pluggable functions.mov

<http://core.trac.wordpress.org/browser/tags/3.0.1/wp-includes/pluggable.php>

For Example: wp\_mail

```
<?php wp_mail( $to, $subject, $message, $headers, $attachments ); ?>
```

Original Code From Previous Exercise

```
cc_comment.php ✘
1 <?php
2 /*
3 Plugin Name: CC Comment Plugin
4 Plugin URI: http://www.falkonproductions.com/ccComment/
5 Description: This plugin sends an email when a comment is made
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@ function cc_comment()
12 {
13     global $_REQUEST;
14
15     $to = "drew@somewhere.com";
16     $subject = "New comment posted @ yourblog " . $_REQUEST['subject'];
17     $message = "Message from: " . $_REQUEST['name'] . " at email " . $_REQUEST['email'] .
18             ": \n" . $_REQUEST['comments'];
19     mail($to,$subject,$message);
20 }
21
22 add_action('comment_post','cc_comment');
```

Using the Pluggable PHP

```
cc_comment.php ✘
1 <?php
2 /*
3 Plugin Name: CC Comment Plugin
4 Plugin URI: http://www.falkonproductions.com/ccComment/
5 Description: This plugin sends an email when a comment is made
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@ function cc_comment()
12 {
13     global $_REQUEST;
14
15     $to = "drew@somewhere.com";
16     $subject = "New comment posted @ yourblog " . $_REQUEST['subject'];
17     $message = "Message from: " . $_REQUEST['name'] . " at email " . $_REQUEST['email'] .
18             ": \n" . $_REQUEST['comments'];
19     wp_mail($to,$subject,$message);
20 }
21
22 add_action('comment_post','cc_comment');
```

0308 Writing a pluggable function.mov

Copy the Original Pluggable Functions from Pluggable php file

```

  welcome.php      pluggable.php X
1193 function wp_new_user_notification($user_id, $plaintext_pass = '') {
1194     $user = new WP_User($user_id);
1195
1196     $user_login = stripslashes($user->user_login);
1197     $user_email = stripslashes($user->user_email);
1198
1199     // The blogname option is escaped with esc_html on the way into the database in sanitize_option
1200     // we want to reverse this for the plain text arena of emails.
1201     $blogname = wp_specialchars_decode(get_option('blogname'), ENT_QUOTES);
1202
1203     $message = sprintf__(__('New user registration on your site %s'), $blogname) . "\r\n\r\n";
1204     $message .= sprintf__(__('Username: %s'), $user_login) . "\r\n\r\n";
1205     $message .= sprintf__(__('E-mail: %s'), $user_email) . "\r\n";
1206
1207     @wp_mail(get_option('admin_email'), sprintf__( "[%s] New User Registration"), $blogname), $message);
1208
1209     if ( empty($plaintext_pass) )
1210         return;
1211
1212     $message = sprintf__(__('Username: %s'), $user_login) . "\r\n";
1213     $message .= sprintf__(__('Password: %s'), $plaintext_pass) . "\r\n";
1214     $message .= wp_login_url() . "\r\n";
1215
1216     wp_mail($user_email, sprintf__( "[%s] Your username and password"), $blogname), $message);
1217
1218 }

```

## Modify the Original Pluggable Functions in your plugin

```

15     $user_login = stripslashes($user->user_login);
16     $user_email = stripslashes($user->user_email);
17
18     // The blogname option is escaped with esc_html on the way into the database in sanitize_option
19     // we want to reverse this for the plain text arena of emails.
20     $blogname = wp_specialchars_decode(get_option('blogname'), ENT_QUOTES);
21
22     $message = sprintf__(__('New user registration on your site %s'), $blogname) . "\r\n\r\n";
23     $message .= sprintf__(__('Username: %s'), $user_login) . "\r\n\r\n";
24     $message .= sprintf__(__('E-mail: %s'), $user_email) . "\r\n";
25
26     @wp_mail(get_option('admin_email'), sprintf__( "[%s] New User Registration"), $blogname), $message);
27
28     if ( empty($plaintext_pass) )
29         return;
30
31     $message = __('Welcome to mmmStuff.com') . "\r\n\r\n";
32     $message .= __('Here is your information for future reference: ') . "\r\n\r\n";
33     $message .= sprintf__(__('Username: %s'), $user_login) . "\r\n";
34     $message .= sprintf__(__('Password: %s'), $plaintext_pass) . "\r\n";
35     $message .= wp_login_url() . "\r\n";
36     $message .= __('Feel free to come back and check on stuff often');
37
38     wp_mail($user_email, sprintf__( "[%s] Your username and password"), $blogname), $message);
39

```

Make sure to check if the function already exist, So there is no conflict

```

11 // override the wp_new_user_notification pluggable function
12 if ( !function_exists('wp_new_user_notification'))
13 {}
14@ function wp_new_user_notification($user_id, $plaintext_pass = '') {

```

0309 Using template tags.mov

[http://codex.wordpress.org/Template\\_Tags](http://codex.wordpress.org/Template_Tags)

## 0310 Introducing shortcode.mov

```
*smp_map_it.php ✘
1 <?php
2 /*
3 Plugin Name: Map plugin using shortcode
4 Plugin URI: http://www.falkonproductions.com/shortcodeMaps/
5 Description: This plugin will get a map of whatever parameter is passed.
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@function smp_map_it()
12 {
13     $addr = "1600 Pennsylvania Ave. Washington, D.C.";
14     $base_map_url = 'http://maps.google.com/maps/api/staticmap?sensor=false&size=2
15     ?>
16     <h2>Your map:</h2>
17     
19     <?php
20 }
21
22 add_shortcode('map-it','smp_map_it');
23
```

[map-it]

A shortcode that takes argument

```
*smp_map_it.php ✘
1 <?php
2 /*
3 Plugin Name: Map plugin using shortcode
4 Plugin URI: http://www.falkonproductions.com/shortcodeMaps/
5 Description: This plugin will get a map of whatever parameter is passed.
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@function smp_map_it($atts,$content=null)
12 {
13     shortcode_atts( array('title'=>'Your Map:', 'address'=>''), $atts);
14     $base_map_url = 'http://maps.google.com/maps/api/staticmap?sensor=false&size=256x256&fo
15     return '
16     <h2>'.$atts['title']. '</h2>
17     ';
19 }
20
21
22 add_shortcode('map-it','smp_map_it');
23
```

[map-it title="Our Location:" address="100 Main St, Santa Monica, CA"]

## 0401 Widgets and the WordPress Widgets SubPanel.mov

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## 0402 Comparing widgets and plugins.mov

Widgets are always a plugin, but a plugin is not always a widget

## 0403 Using and customizing built-in widgets.mov

Registering Widgets Area inside functions.php

```
function twentyeleven_widgets_init() {  
  
    register_widget( 'Twenty_Eleven_Ephemera_Widget' );  
  
    • register_sidebar( array(  
        'name' => __( 'Header Logo', 'twentyeleven' ),  
        'id' => 'header-1',  
        'description' => __( 'An optional widget area for your site Header', 'twentyeleven' ),  
        'before_widget' => '<aside id="%1$s" class="widget %2$s">',  
        'after_widget' => "</aside>",  
        'before_title' => '<h3 class="widget-title">',  
        'after_title' => '</h3>',  
    ) );  
    • add_action( 'widgets_init', 'twentyeleven_widgets_init' );
```

Using the Registered Widgets Area

```
• <div id="widget-logo"><?php if ( !function_exists('dynamic_sidebar') || !dynamic_sidebar('header-1') ) : ?>  
    • <?php endif;?></div>
```

## 0404 Creating a new widget.mov

Developing Widgets Before wordpress 2.8

```
• http://codex.wordpress.org/Widgets\_API#Developing\_Widgets\_before\_2.8  
  
    function widget_myuniquewidget($args) {  
        extract($args);  
    ?>  
        <?php echo $before_widget; ?>  
        <?php echo $before_title  
            , 'My Unique Widget'  
            , $after_title; ?>  
        Hello, World!  
        <?php echo $after_widget; ?>  
    <?php  
    }  
    register_sidebar_widget('My Unique Widget',  
        'widget_myuniquewidget');
```

Developing Widgets on or after wordpress 2.8

- [http://codex.wordpress.org/Widgets API](http://codex.wordpress.org/Widgets_API)

```

class My_Widget extends WP_Widget {

    public function __construct() {
        // widget actual processes
    }

    public function form( $instance ) {
        // outputs the options form on admin
    }

    public function update( $new_instance, $old_instance ) {
        // processes widget options to be saved
    }

    public function widget( $args, $instance ) {
        // outputs the content of the widget
    }

}

register_widget( 'My_Widget' );

```

- Example:

```

11@ class SimpleWidget extends WP_Widget
12{
13@     function SimpleWidget()
14{
15
16}
17
18@     function widget($args, $instance)
19{
20        extract( $args, EXTR_SKIP );
21        $title = ( $instance['title'] ) ? $instance['title'] : 'A simple widget';
22
23}
24
25@     function update()
26{
27
28}
29
30@     function form()
31{
32
33}

```

- The extract() function imports variables into the local symbol table from an array.
  - extract(array,extract\_rules,prefix)

```

18  function widget($args, $instance)
19  {
20      extract( $args, EXTR_SKIP );
21      $title = ( $instance['title'] ) ? $instance['title'] : 'A simple widget';
22      $body = ( $instance['body'] ) ? $instance['body'] : 'A simple message';
23      ?
24      <?php echo $before_widget; ?>
25      <?php echo $before_title . $title . $after_title ?>
26      <p><?php echo $body ?></p>
27      <?php |
28
29  }

```

- Register the Widget: `widget_init`

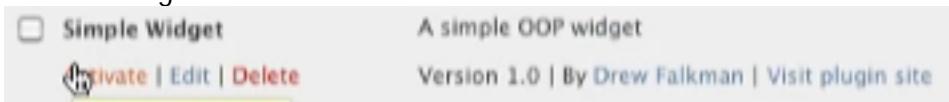
- Make this outside the class

```

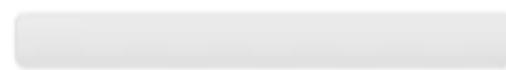
41  function simple_widget_init()
42  {
43      register_widget("SimpleWidget");
44  }
45  add_action('widgets_init','simple_widget_init');

```

- View in Plugins Area



- View in Widgets Page



- View when widgets is used

**A simple widget**

A simple message

- Setting up the constructor

```

13  function SimpleWidget()
14  {
15      $widget_options = array(
16          'classname'    => 'simple-widget',
17          'description'  => 'Just a simple widget');
18
19      parent::__construct('simple_widget','Simple Widget', $widget_options);
20  }

```

- [http://phpdoc.wordpress.org/trunk/WordPress/Widgets/WP\\_Widget.html](http://phpdoc.wordpress.org/trunk/WordPress/Widgets/WP_Widget.html)
- `WP_Widget::__construct` ([string `$id_base` = false], string `$name`, [array `$widget_options` = array()], [array `$control_options` = array()])
- View in Widgets Page

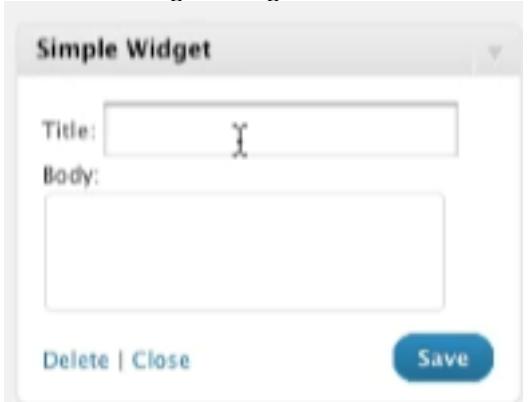
Simple Widget

Just a simple widget

## 0406 Enabling configuration of widgets.mov

```
39  function form( $instance )
40  {
41      ?>
42      <label for=<?php echo $this->get_field_id('title');?>>
43      Title:
44      <input id=<?php echo $this->get_field_id('title');?>" name=<?php echo $this->get_field_name('title'); ?>" value=<?php echo esc_attr($instance['title']); ?>" />
45      </label>
46      <label for=<?php echo $this->get_field_id('body');?>>
47      Body:
48      <textarea id=<?php echo $this->get_field_id('body');?>" name=<?php echo $this->get_field_name('body'); ?>"><?php echo esc_attr($instance['body']);?></te
49      </label>
50      <?php
51  }
52
53
54 }
```

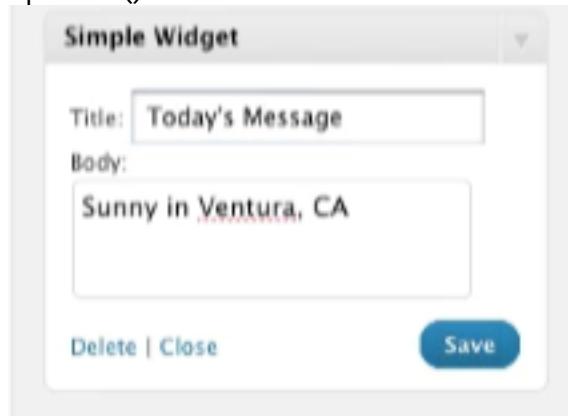
- View in Widgets Page



- Delete

```
34  function update()
35  {
36
37  }
38
```

- Because all we want is to save the data inputted in Simple Widget
- If update() is deleted, the plugin will use the wp\_widgets default updated()



- Today's Message
- Sunny in Ventura, CA
- Update()
  - This is optional if you want to use data scrubbing
  - It takes 2 argument the old and new instance

## 0501 Creating an admin interface.mov

```

11 function cc_comment()
12 {
13     global $_REQUEST;
14
15     $to = "drew@somewhere.com";
16     $subject = "New comment posted @ yourblog " . $_REQUEST['subject'];
17     $message = "Message from: " . $_REQUEST['name'] . " at email " . $_REQUEST['email'] .
18             ": \n" . $_REQUEST['comments'];
19     wp_mail($to,$subject,$message);
20 }
21
22 add_action('comment_post','cc_comment');
23
24 function cccomm_option_page()
25 {
26     ?>
27     <div class="wrap">
28     <?php screen_icon(); ?>
29     <h2>CC Comments Options</h2>
30     <p>Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.</p>
31     </div>
32     <?php
33 }
```

[http://codex.wordpress.org/Roles\\_and\\_Capabilities](http://codex.wordpress.org/Roles_and_Capabilities)

## Registering Admin Pages For Plugin

```

35 function cccomm_plugin_menu()
36 {
37     add_options_page('CC Comments Settings','CC Comments','manage_options','cc-comments-plugin','cccomm_option'.
38 } ?
```

- The last words are cut because it is too long, but all it is, is to call the function name

## Calling the registered page

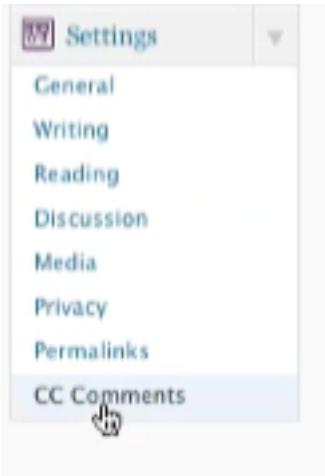
- `add_action('admin_menu','cccomm_plugin_menu');`

## View in Settings

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A screenshot of a web browser displaying the CC Comments Options page. The URL is http://localhost:8888/wordpress/wp-admin/options-general.php?page=cc-comments-plugin. The page title is 'CC Comments Options'. A sub-header says 'Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.' There is a form with a text input field and a submit button.

0502 Saving data to the database.mov

Saving Inputted Options Information

```
24 function cccomm_option_page()
25 {
26     ?>
27     <div class="wrap">
28         <?php screen_icon(); ?>
29         <h2>CC Comments Options</h2>
30         <p>Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.</p>
31         <form action="" method="post" id="cc-comments-email-options-form">
32             <h3><label for="cc_email">Email to send CC to:</label>
33             <input type="text" id="cc_email" name="cc_email"
34                 value="<?php echo esc_attr(get_option('cccomm_cc_email')); ?>" /></h3>
35             <p><input type="submit" name="submit" value="Save Email" />|</p>
36         </form>
37     </div>
38     <?php
39 }
```



## CC Comments Options

Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.

Email to send CC to:

Add This Line of Code

```
24@ function cccomm_option_page()
25{
26    if ( $_POST['cccomm_hidden'] == 'Y' )
27    {
28        update_option('cccomm_cc_email',$_POST['cc_email']);
29        ?>
30        <div id="message" class="updated">Email was saved for CC Comments</div>
31        <?php
32    }
33
34    ?>
35@ <div class="wrap">
36    <?php screen_icon(); ?>
37    <h2>CC Comments Options</h2>
38    <input type="hidden" name="cccomm_hidden" value="Y" />
```

Source View:

```
<div class="wrap">
    <div id="icon-options-general" class="icon32"><br /></div>
    <h2>CC Comments Options</h2>
    <p>Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.</p>
    <form action="" method="post" id="cc-comments-email-options-form">
        <h3><label for="cc_email">Email to send CC to:</label>
        <input type="text" id="cc_email" name="cc_email"
               value="" /></h3>
        <p><input type="submit" name="submit" value="Save Email" /></p>
        <input type="hidden" name="cccomm_hidden" value="Y" />
    </form>
</div>
```

Admin View:



## CC Comments Options

Email was saved for CC Comments

Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.

Email to send CC to:

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## 0503 Securing form submission with nonces.mov

```
24 function cccomm_option_page()
25 {
26     if ( check_admin_referer('cccomm_admin_options-update') )
27     {
28         update_option('cccomm_cc_email', $_POST['cc_email']);
29         ?>
30         <div id="message" class="updated">Email was saved for CC Comments</div>
31         <?php
32     }
33
34     ?>
35     <div class="wrap">
36     <?php screen_icon(); ?>
37     <h2>CC Comments Options</h2>
38     <p>Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.</p>
39     <form action="" method="post" id="cc-comments-email-options-form">
40     <h3><label for="cc_email">Email to send CC to:</label>
41     <input type="text" id="cc_email" name="cc_email"
42         value="<?php echo esc_attr(get_option('cccomm_cc_email')); ?>" /></h3>
43     <p><input type="submit" name="submit" value="Save Email" /></p>
44     <?php wp_nonce_field('cccomm_admin_options-update'); ?>
45     </form>
46     </div>
47     <?php
```

## 0504 Options editing post-WordPress 2.7.mov

```
24 function cccomm_init()
25 {
26     register_setting('cccomm_options', 'cccomm_cc_email');
27 }
28 add_action('admin_init', 'cccomm_init');

30 function cccomm_option_page()
31 {
32     ?>
33     <div class="wrap">
34     <?php screen_icon(); ?>
35     <h2>CC Comments Options</h2>
36     <p>Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.</p>
37     <form action="options.php" method="post" id="cc-comments-email-options-form">
38     <?php settings_fields('cccomm_options'); ?>
39     <h3><label for="cccomm_cc_email">Email to send CC to:</label>
40     <input type="text" id="cccomm_cc_email" name="cccomm_cc_email"
41         value="<?php echo esc_attr(get_option('cccomm_cc_email')); ?>" /></h3>
42     <p><input type="submit" name="submit" value="Save Email" /></p>
43     </form>
44     </div>
45     <?php
46 }
```

- Admin View

**CC Comments Options**

Settings saved.

Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.

Email to send CC to: user@oursite.com

Save Email

- Source View
 

```
<div class="wrap">
    <div id="icon-options-general" class="icon32"><br /></div>
<h2>CC Comments Options</h2>
<p>Welcome to the CC Comments plugin. Here you can edit the email(s) to CC your comments to.</p>
<form action="options.php" method="post" id="cc-comments-email-options-form">
<input type="hidden" name="option_page" value="cccomm_options" /><input type="hidden" name="action" value="update" />
<input type="text" id="cccomm_cc_email" name="cccomm_cc_email" value="user@oursite.com" /></h3>
<p><input type="submit" name="submit" value="Save Email" /></p>
</form>
</div>
```
- `id="wpnonce" name="wpnonce" value="89dbbd8f37" /`

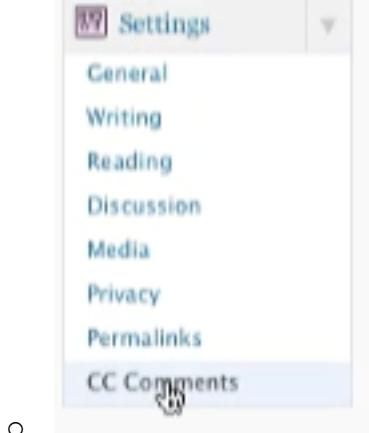
0505 Integrating with the WordPress admin menus.mov

cc\_comment

- cc\_comment.php
- cc\_icon.png

```
48 function cccomm_plugin_menu()
49 {
50     add_options_page('CC Comments Settings', 'CC Comment'
51 }
```

- `add_options_page`: Places it under the settings

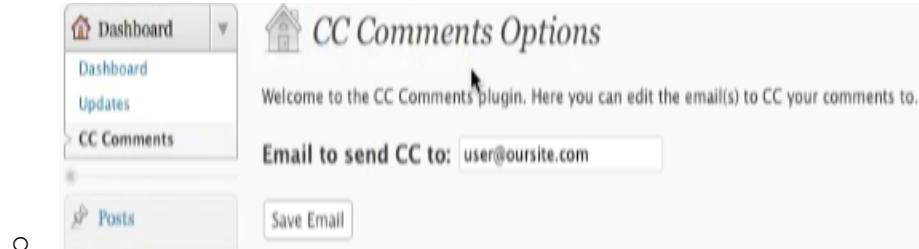


```

48 Function cccomm_plugin_menu()
49 {
50     add_dashboard_page('CC Comments Se
51 }

```

- add\_dashboard\_page
  - Adds a menu link on dashboard



```

48 function cccomm_plugin_menu()
49 {
50     add_menu_page('CC Comments','CC Comments','manage_options','cc-comments-plugin','cccomm_option_page',
51                 '/wordpress/wp-content/plugins/cc_comment/cc_icon.png',20);
52 }

```

- You can add an Icon and Priority

#### Other Options for adding the links

- Add\_themes\_page
- Add\_options\_page
- Add\_submenu\_page

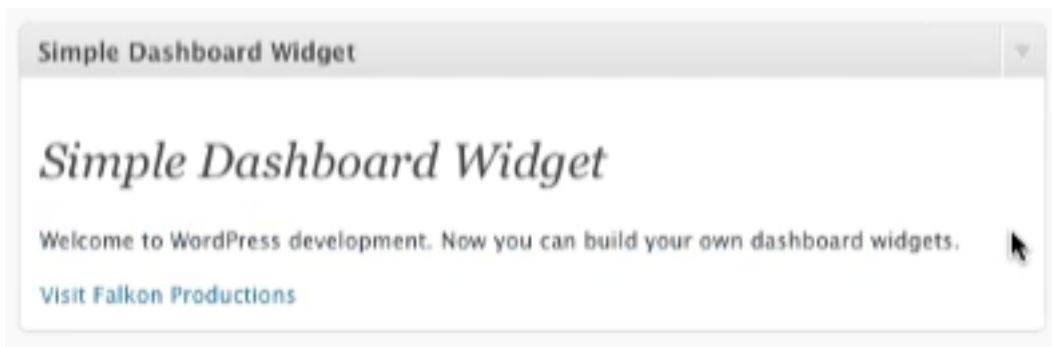
#### 0506 WordPress admin dashboard API.mov

```

simple_db_widget.php ✘
1 <?php
2 /*
3 Plugin Name: Simple Dashboard Widget
4 Plugin URI: http://www.falkonproductions.com/simpleDBWidget/
5 Description: This plugin adds a widget to the admin dashboard
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11 function simple_dashboard_widget()
12 {
13     ?>
14     <h2>Simple Dashboard Widget</h2>
15     <p>Welcome to WordPress development. Now you can build your own dashboard widgets.</p>
16     <p><a href="http://www.falkonproductions.com">Visit Falkon Productions</a></p>
17     <?php
18 }
19
20 function sdbw_register_widget()
21 {
22     wp_add_dashboard_widget('simple-dashboard-widget','Simple Dashboard Widget', 'simple_dashboard_widget');
23 }
24
25 add_action('wp_dashboard_setup','sdbw_register_widget');

```

#### Dashboard View:



0507 Using existing options and option editing pages in WordPress.mov

<http://localhost:8888/wordpress/wp-admin/options.php>

Contains all database settings

The screenshot shows the 'All Settings' page in WordPress. At the top, a yellow banner displays 'Settings saved.' Below it, there are three settings listed:

- active\_plugins: A dropdown menu showing several plugin names.
- admin\_email: A text input field containing 'drew@laksjdfjasdf.com'.
- advanced\_edit: A text input field containing '0'.

Adding Information to All Settings

```
30: function cccomm_setting_field()
31: {
32:     ?>
33:     <input type="text" name="cccomm_cc_email" id="cccomm_cc_email"
34:           value="<?php echo get_option('cccomm_cc_email'); ?>" />
35:     </?php
36: }
37:
38: function cccomm_plugin_menu()
39: {
40:     add_settings_field('cccomm_cc_email','CC Comments', 'cccomm_setting_field', 'general');
41: }
42:
43: add_action('admin_menu','cccomm_plugin_menu');
```

- Make sure the name and id should be the same as the get\_option
- <http://localhost:8888/wordpress/wp-admin/options-general.php>
- 

To Create Entirely New Section Heading

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```

38 function ccomm_setting_section()
39 {
40     ?>
41     <p>Settings for the CC Comments plugin:</p>
42     <?php
43 }
44
45 function ccomm_plugin_menu()
46 {
47     add_settings_section('cccomm','CC Comments', 'cccomm_setting_section','general');
48     add_settings_field('cccomm_cc_email','CC Comments', 'cccomm_setting_field','general','cccomm');
49 }

```

**CC Comments**

Settings for the CC Comments plugin:

CC Comments

user@oursite.com

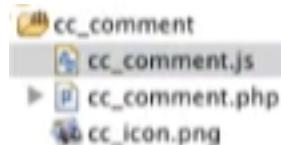
Save Changes

## 0508 Using jQuery and AJAX for administration.mov

```

54 function ccomm_email_check()
55 {
56     $email = isset($_POST['cccomm_cc_email']) ? $_POST['cccomm_cc_email'] : null;
57     $msg = 'invalid';
58     if ($email)
59     {
60         if (!is_email($email))
61         {
62             $msg = 'valid';
63         }
64     }
65     echo $msg;
66     die();
67 }

```



```

jQuery(document).ready( function($) {
    $("input[name='cccomm_cc_email']").blur( function () {
        $.ajax({
            type: "POST",
            data: "cccomm_cc_email="+$(this).attr("value") + "&action=cccomm_email_check",
            url: ajaxurl,
            beforeSend: function() {
                $("#emailInfo").html("Checking Email...");
            },
            success: function(data) {
                if ( data == "valid" ) {
                    $("#emailInfo").html("Email OK");
                }
                else
                {
                    $("#emailInfo").html("You have entered an invalid email");
                }
            }
        });
    });
});

68 add_action('wp_ajax_cccomm_email_check','cccomm_email_check');
69 add_action('admin_print_scripts-options-general.php','cccomm_email_check_script');
70

```

adds admin\_print\_scripts(Javascripts) to options-general.php

```

71@ function cccomm_email_check_script()
72{
73    wp_enqueue_script("cc-comments",path_join(WP_PLUGIN_URL, basename(dirname(__FILE__)) . "/cc_comment.js")
74}

```

[http://codex.wordpress.org/Function\\_Reference/wp\\_enqueue\\_script](http://codex.wordpress.org/Function_Reference/wp_enqueue_script)

0601 Accessing the WordPress database.mov

Use wpdb

```

dbinfo.php ✘
1 <?php
2 /*
3 Plugin Name: DB Info Plugin
4 Plugin URI: http://www.falkonproductions.com/dbinfo/
5 Description: This plugin tells admin stuff about the db
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@ function databaseinfo_dashboard_widget()
12{
13    global $wpdb;
14    ?>
15    <h2>DB Info Dashboard Widget</h2>
16    <p><b>Last Query:</b> <?php echo $wpdb->last_query; ?></p>
17    <p><b>Last Error:</b> <?php echo $wpdb->last_error; ?></p>
18    <p><b>Total Users:</b> <?php echo $wpdb->query('SELECT ID FROM wp_users'); ?></p>
19    <?php
20    }
21
22@ function databaseinfo_register_widget()
23{
24    wp_add_dashboard_widget('databaseinfo-dashboard-widget', 'Counter Dashboard Widget', 'databaseinfo_dashboard_widget');
25}
26
27 add_action('wp_dashboard_setup', 'databaseinfo_register_widget');

```

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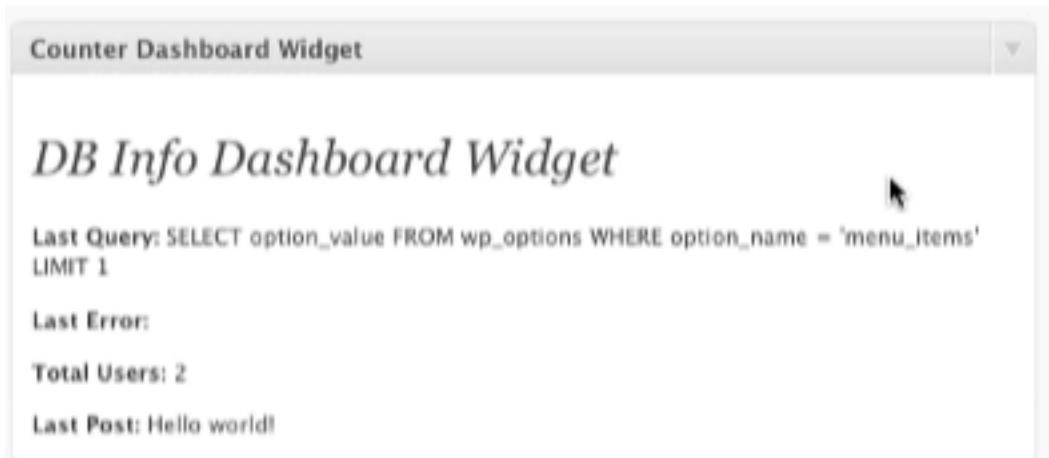
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```

function databaseinfo_dashboard_widget()
{
    global $wpdb;
    global $current_user;
    ?>
    <h2>DB Info Dashboard Widget</h2>
    <p><b>Last Query:</b> <?php echo $wpdb->last_query; ?></p>
    <p><b>Last Error:</b> <?php echo $wpdb->last_error; ?></p>
    <p><b>Total Users:</b> <?php echo $wpdb->query('SELECT ID FROM wp_users'); ?></p>
    <p><b>Last Post:</b> <?php echo $wpdb->get_var('SELECT post_title FROM ' .
        '$wpdb->posts . ' WHERE post_author = ' . $current_user->ID); ?></p>
    <?php
}

```

Dashboard View:

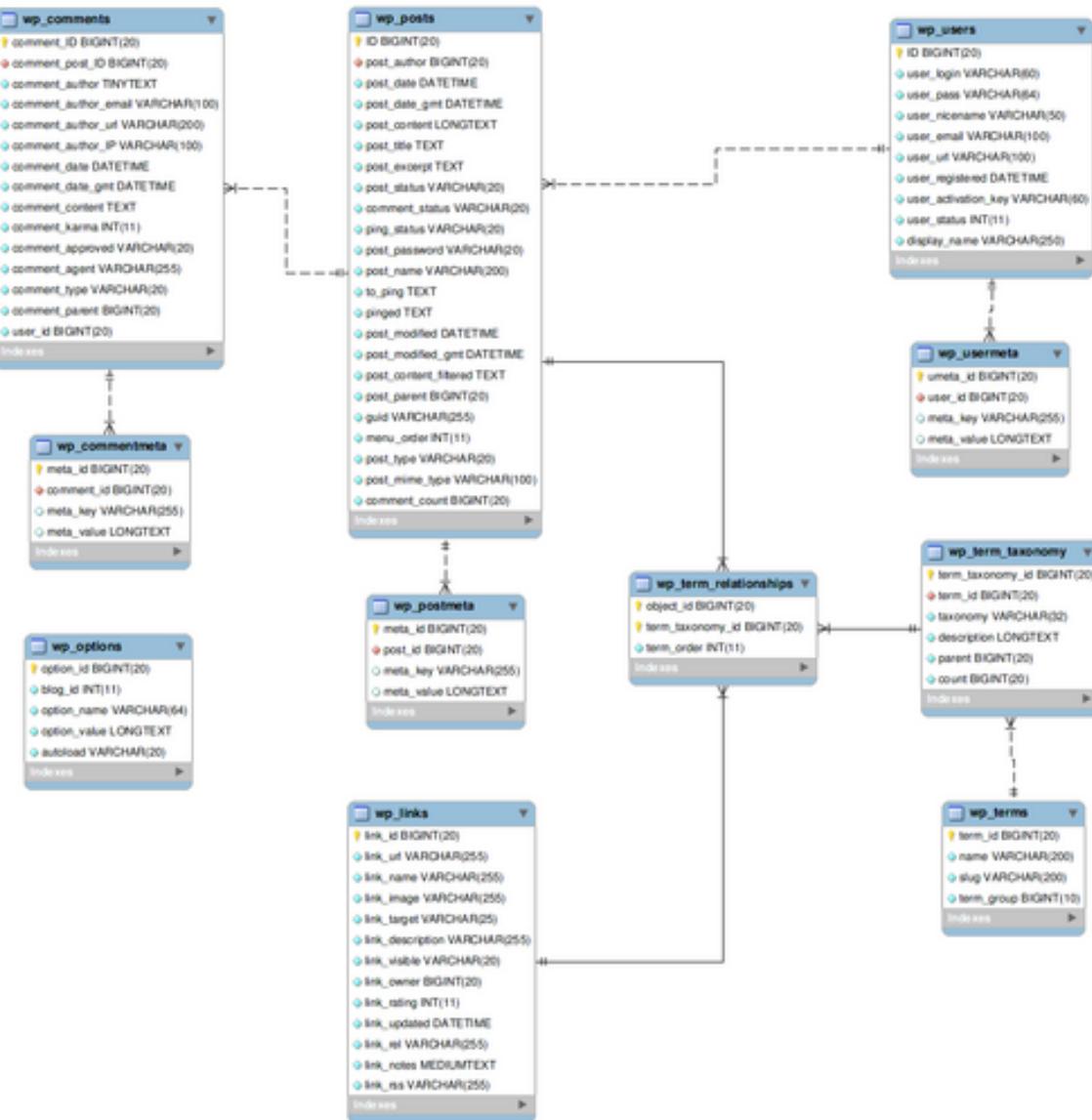


0602 Using the built-in schema.mov

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From: [http://codex.wordpress.org/Database\\_Description](http://codex.wordpress.org/Database_Description)

Use wpdb instead of wp\_posts for compatibility

0603 Accessing data using \$wpdb.mov

```

11@function databaseinfo_dashboard_widget()
12 {
13     global $wpdb;
14     global $current_user;
15     ?>
16     <h2>DB Info Dashboard Widget</h2>
17     <p><b>Last Query:</b> <?php echo $wpdb->last_query; ?></p>
18     <p><b>Last Error:</b> <?php echo $wpdb->last_error; ?></p>
19     <p><b>Total Users:</b> <?php echo $wpdb->query('SELECT ID FROM wp_users'); ?></p>
20     <p><b>Last Post:</b> <?php echo $wpdb->get_var('SELECT post_title FROM ' .
21             $wpdb->posts . ' WHERE post_author = ' . $current_user->ID); ?></p>
22     <p><b>User Emails:</b> <?php $user_emails = $wpdb->get_col('SELECT user_email FROM ' . $wpdb->users); ?>
23         <pre><?php echo var_dump($user_emails)?></pre></p>
24
25     <?php
26 }
27
28
29 }

11@function databaseinfo_dashboard_widget()
12 {
13     global $wpdb;
14     global $current_user;
15     ?>
16     <h2>DB Info Dashboard Widget</h2>
17     <p><b>Last Query:</b> <?php echo $wpdb->last_query; ?></p>
18     <p><b>Last Error:</b> <?php echo $wpdb->last_error; ?></p>
19     <p><b>Total Users:</b> <?php echo $wpdb->query('SELECT ID FROM wp_users'); ?></p>
20     <p><b>Last Post:</b> <?php echo $wpdb->get_var('SELECT post_title FROM ' .
21             $wpdb->posts . ' WHERE post_author = ' . $current_user->ID); ?></p>
22     <p><b>User Emails:</b> <?php $user_emails = $wpdb->get_col('SELECT user_email FROM ' . $wpdb->users); ?>
23         <pre><?php echo var_dump($user_emails)?></pre></p>
24     <p><b>Your user info:</b> </p>
25     <?php $my_user_data = $wpdb->get_row('SELECT * FROM ' . $wpdb->users . ' WHERE ID = ' . $current_user
26         <pre><?php echo var_dump($my_user_data); ?></pre></p>
27
28     <?php
29 }

<?php
$current_user->ID, ARRAY_N>1;?>

```

- Array\_N: gets the array number placement
- Array\_A: gets the associative array
- Dashboard View:

```

array(10) {
    ["ID"]=>
        string(1) "1"
    ["user_login"]=>
        string(5) "admin"
    ["user_pass"]=>
        string(34) "$P$SBKA/dDihqsjKmIO3anCrs8l7NFIjte/"
    ["user_nicename"]=>
        string(5) "admin"
    ["user_email"]=>
        string(18) "dcnew@veraison.info"
    ["user_uri"]=>
        string(0) ""
    ["user_registered"]=>
        string(19) "2010-08-30 20:28:05"
    ["user_activation_key"]=>
        string(0) ""
    ["user_status"]=>
        string(1) "0"
    ["display_name"]=>
        string(5) "admin"
}

```

```

27 <p><b>All Post Terms: </b>
28     <?php $terms = $wpdb->get_results('SELECT * FROM ' . $wpdb->terms);
29     echo var_dump($terms); ?></p>
30 </?pho

```

```

All Post Terms: array(2) { [0]=> object(stdClass)#180 (4) { ["term_id"]=> string(1) "1"
["name"]=> string(13) "Uncategorized" ["slug"]=> string(13) "uncategorized"
["term_group"]=> string(1) "0" } [1]=> object(stdClass)#181 (4) { ["term_id"]=> string(1) "2"
["name"]=> string(8) "Blogroll" ["slug"]=> string(8) "blogroll" ["term_group"]=> string(1) "0"
}}

```

## 0604 Creating new tables.mov

```

7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11<?php
12 function bdetector_activate()
13 {
14     global $wpdb;
15
16     $table_name = $wpdb->prefix . "bdetector";
17
18     if ( $wpdb->get_var('SHOW TABLES LIKE ' . $table_name) != $table_name )
19     {
20         $sql = 'CREATE TABLE ' . $table_name . '('
21             'id INTEGER(10) UNSIGNED AUTO_INCREMENT,
22             hit_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
23             user_agent VARCHAR(255),
24             PRIMARY KEY (id) ';
25
26         require_once(ABSPATH . 'wp-admin/includes/upgrade.php');
27         dbDelta($sql);
28
29         add_option('bdetector_database_version','1.0');
30     }
31 }
32
33 register_activation_hook(__FILE__, 'bdetector_activate');

```

Action		Extra	Default	Attributes	Collation	Type	Field

## 0605 Inserting data.mov

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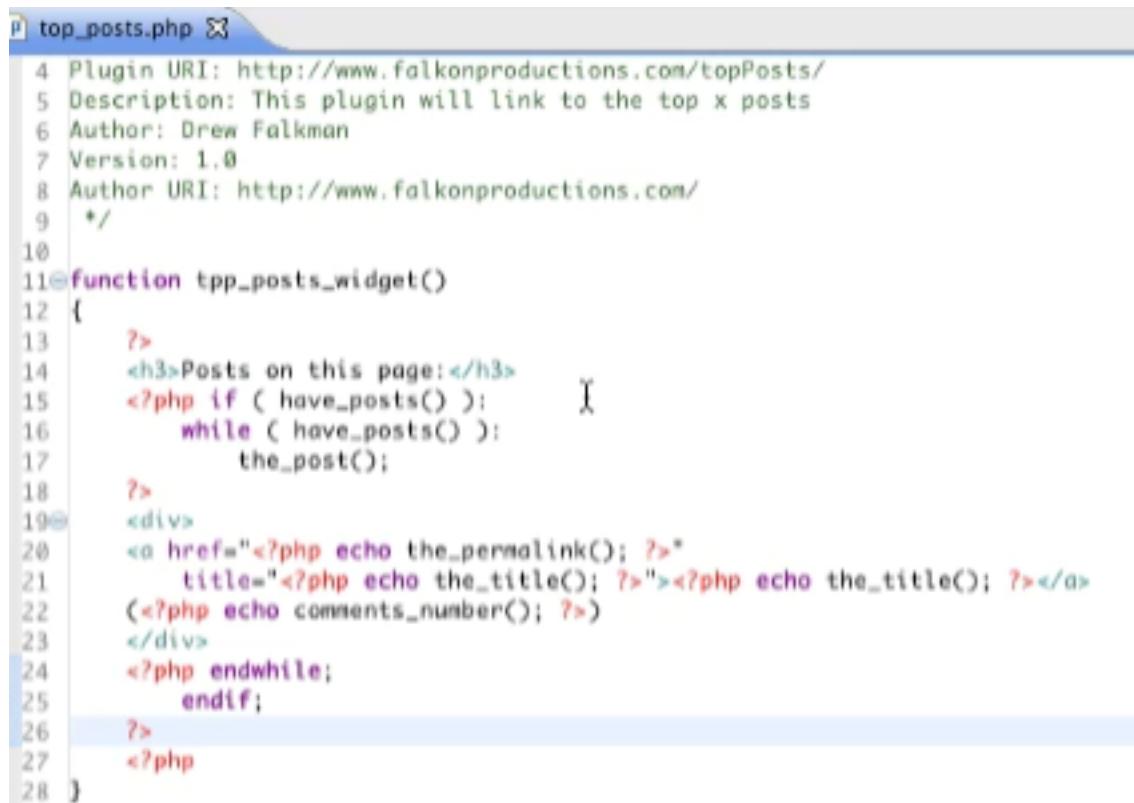
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```

35@function bdetector_insert_useragent()
36 {
37     global $wpdb;
38
39     $table_name = $wpdb->prefix . "bdetector";
40
41     $wpdb->insert($table_name, array('user_agent'=>$_SERVER['HTTP_USER_AGENT']), array('%s'));
42 }
43
44 add_action('wp_footer','bdetector_insert_useragent');
•
• Read More about wpdb insert and update

```

## 0701 Introducing the Loop.mov



```

4 Plugin URI: http://www.falkonproductions.com/topPosts/
5 Description: This plugin will link to the top x posts
6 Author: Drew Falkman
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@function tpp_posts_widget()
12 {
13     ?>
14     <h3>Posts on this page:</h3>
15     <?php if ( have_posts() ):    [
16         while ( have_posts() ):
17             the_post();
18         ?>
19         <div>
20             <a href="<?php echo the_permalink(); ?>" title="<?php echo the_title(); ?>"><?php echo the_title(); ?></a>
21             (<?php echo comments_number(); ?>)
22         </div>
23         <?php endwhile;
24         endif;
25     ?>
26     <?php
27 }
28

```

## 0702 Using WP\_Query().mov

```
*top_posts.php
7 Version: 1.0
8 Author URI: http://www.falkonproductions.com/
9 */
10
11@function tpp_posts_widget()
12 {
13     $tpp_posts_query = new WP_Query();
14     $tpp_posts_query->get_posts();
15     ?>
16     <h3>Posts on this page:</h3>
17     <?php if ( $tpp_posts_query->have_posts() ):>
18         while ( $tpp_posts_query->have_posts() ):
19             $tpp_posts_query->the_post();
20         ?>
21     <div>
22     <a href="<?php echo the_permalink(); ?>"
23         title="<?php echo the_title(); ?>"><?php echo the_title(); ?></a>
24     (<?php echo comments_number(); ?>)
25     </div>
26     <?php endwhile;
27     endif;
28     ?>
29     <?php
30 }
```

## 0703 Custom filtering and sticky posts.mov

```
11@function tpp_posts_widget()
12 {
13     $tpp_posts_query = new WP_Query();
14     $tpp_posts_query->query("posts_per_page=5&orderby=comment_count&order=DESC");
15     ?>
16     <h3>Posts on this page:</h3>
17     <?php if ( $tpp_posts_query->have_posts() ):
18         while ( $tpp_posts_query->have_posts() ):
19             $tpp_posts_query->the_post();
20         ?>
21     <div>
22     <a href="<?php echo the_permalink(); ?>"
23         title="<?php echo the_title(); ?>"><?php echo the_title(); ?></a>
24     (<?php echo comments_number(); ?>)
25     </div>
26     <?php endwhile;
27     endif;
28     ?>
29     <?php
30 }
```

View on Homepage:

Posts on this page:

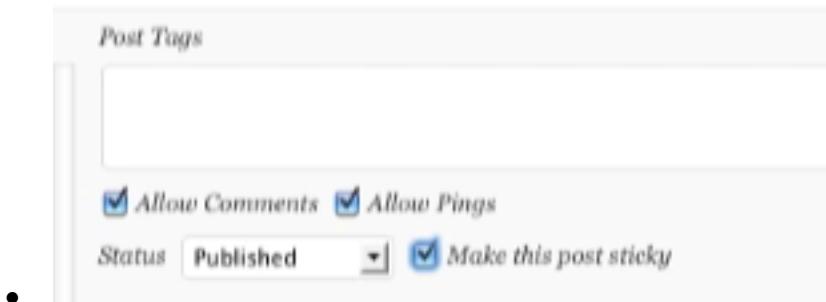
[Restaurant Review \(No Comments\)](#)

[Update for Today \(No Comments\)](#)

[Hello world!](#) (3 Comments)

```
11 function tpp_posts_widget()
12 {
13     $tpp_posts_query = new WP_Query(array('posts_per_page'=>5,
14                                         'orderby'=>'comment_count',
15                                         'order'=>'DESC'));
16     ?>
17     <h3>Top Posts:</h3>
18     <?php if ( $tpp_posts_query->have_posts() ):>
19         while ( $tpp_posts_query->have_posts() ):>
20             $tpp_posts_query->the_post();
21         ?>
22         <div>
23             <a href="<?php echo the_permalink(); ?>">
24                 title="<?php echo the_title(); ?>"><?php echo the_title(); ?></a>
25             (<?php echo comments_number(); ?>)
26         </div>
27         <?php endwhile;
28         endif;
29     ?>
30     <?php
```

To make it sticky



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```

11@function tpp_posts_widget()
12 {
13     $tpp_posts_query = new WP_Query(array('posts_per_page'=>5,
14                                         'orderby'=>'comment_count',
15                                         'order'=>'DESC',
16                                         'post__in'=>get_option('sticky_posts')));
17     ?>
18     <h3>Top Posts:</h3>
19     <?php if ( $tpp_posts_query->have_posts() ) :
20         while ( $tpp_posts_query->have_posts() ) :
21             $tpp_posts_query->the_post();
22         ?>
23         <div>
24             <a href="<?php echo the_permalink(); ?>" title="<?php echo the_title(); ?>><?php echo the_title(); ?></a>
25             (<?php echo comments_number(); ?>)
26         </div>
27         <?php endwhile;
28         endif;
29     ?>

```

- - Use to query sticky post

## 0704 Using jQuery and AJAX for posts and pages.mov

Add Preview when mouse hover



```

11 function tpp_posts_widget()
12 {
13     $tpp_posts_query = new WP_Query('&posts_per_page=10&orderby=comment_count&order=DESC');
14     ?>
15     <h3><?php _e('Top Posts:') ?></h3>
16     <?php if ( $tpp_posts_query->have_posts() ) :
17         while ( $tpp_posts_query->have_posts() ) :
18             $tpp_posts_query->the_post();
19         ?>
20         <div class="tpp_posts">
21             <a href="<?php echo the_permalink(); ?>" id="<?php echo the_id(); ?>" title="<?php echo the_title(); ?>" class="comment_link"><?php echo the_title(); ?></a>
22             (<?php echo comments_number(); ?>)
23         </div>
24         <?php endwhile;
25         endif;
26     ?>
27     <?php
28 }
29
30
31
32 }

```

```

34 Function tpp_posts_comments_return()
35 {
36     $post_id = isset( $_POST['post_id'] ) ? $_POST['post_id'] : 0;
37
38     if ( $post_id > 0 )
39     {
40         $post = get_post($post_id);
41         ?>
42         <div id="post"><?php echo $post->post_content; ?></div>
43         <?php
44     }
45     die();
46 }
47 add_action('wp_ajax_nopriv_tpp_comments', 'tpp_posts_comments_return');
48
49 function tpp_posts_get_scripts()
50 {
51     wp_enqueue_script("tpp-posts",
52                         path_join(WP_PLUGIN_URL, basename(dirname(__FILE__)), "/top_posts.js"), array("jquery"));
53 }
54 add_action('wp_print_scripts','tpp_posts_get_scripts');

```

top\_posts.php    top\_posts.js

```

1 jQuery(document).ready( function($){
2     $("#div.tpp_posts").mouseover( function() {
3         var div = $(this);
4
5         $.post('wp-admin/admin-ajax.php', {
6             action: "tpp_comments",
7             post_id: $(this).find("a").attr("id")
8         }, function (data) {
9             div.append($(data));
10        });
11    });
12    return false;
13 });
14
15 $("#div.tpp_posts").mouseout( function() {
16
17     $("#post").remove();
18 });
19 });

```

View from front page:

Top Posts:

- [Hello world! \(3 Comments\)](#)
- [Update for Today \(No Comments\)](#)
- [Update for Today \(No Comments\)](#)

0801 Registering and promoting plugins.mov

[http://codex.wordpress.org/Plugin\\_Submission\\_and\\_Promotion](http://codex.wordpress.org/Plugin_Submission_and_Promotion)

<http://wordpress.org/extend/plugins/about/#readme>

<http://wordpress.org/extend/plugins/add>

<http://wordpress.org/extend/plugins/about/readme.txt>

Other Places to Submit Plugins:

- <http://wp-plugins.org>
- <http://wp-plugins.net>

Wordpress Discussion

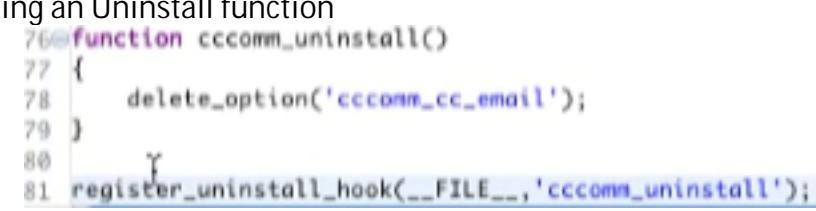
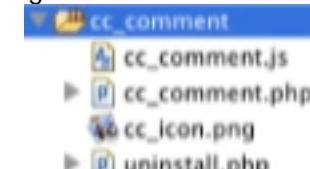
<http://www.bloggingpro.com>

<http://weblogtoolscollection.com>

<http://wordpress.org/support/forum/plugins-and-hacks>

0802 Creating an uninstall function.mov

make sure to make a backup of the plugin

- Creating an Uninstall function
  - 
  - This script will uninstall the plugin once it is deleted. However, it will execute the commands above it.
- Creating an Uninstall File
  - 

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```
cc_comment.php | *uninstall.php X
1 <?php
2
3 if ( !defined('WP_UNINSTALL_PLUGIN') )
4     exit();
5
6
7 delete_option('cccomm_cc_email'); }
```

- 
- This script will uninstall the plugin once it is deleted
- This will run cleanly

0803 Backward compatibility issues.mov

[http://codex.wordpress.org/WordPress\\_Versions](http://codex.wordpress.org/WordPress_Versions)

[http://codex.wordpress.org/Category:Deprecated\\_Functions](http://codex.wordpress.org/Category:Deprecated_Functions)

```
80 if ( function_exists('register_uninstall_hook') )
81 {
82     register_uninstall_hook(__FILE__, 'cccomm_uninstall');
83 }
```

- Check the function if it exist

0901 Understanding security issues.mov

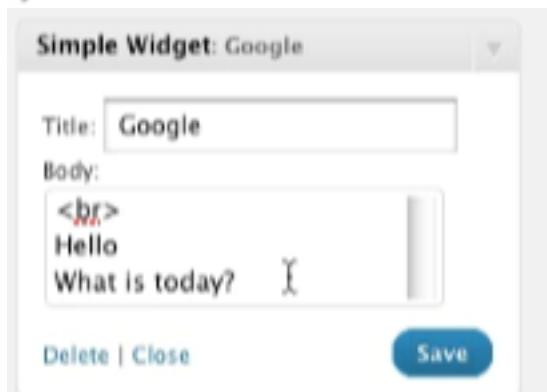
Data Sanitation

- 41 \$wpdb->insert(\$table\_name, array('user\_agent'=>\$\_SERVER['HTTP\_USER\_AGENT']), array('%s'));
- Forces the input to be string
- Browser detection plugin
- 41 \$safe\_sql = \$wpdb->prepare("INSERT INTO `{\$table\_name}` SET user\_agent = %s", \$\_SERVER['HTTP\_USER\_AGENT']);
42 \$wpdb->query(\$safe\_sql);
- prepare
- Browser detection plugin

```

34@ function update($new_instance, $old_instance)
35{
36    $instance = $old_instance;
37    $instance['title'] = strip_tags($new_instance['title']);
38    $allowed_html = array('a' =>
39                            array('href' => array(),
40                                  'title' => array(),
41                                  'br' => array(),
42                                  'strong' => array(),
43                                  'em' => array());
44    $instance['body'] = wp_kses($new_instance['body'], $allowed_html);
45    return $instance;
46}

```



- Strips the Simple Widget

## 0902 Internationalizing your plugin.mov

[http://codex.wordpress.org/I18n\\_for\\_WordPress\\_Developers](http://codex.wordpress.org/I18n_for_WordPress_Developers)

## http://us.php.net/gettext

```

18@function add_copyright()
19{
20    $copyright_message = "&copy; " . date('Y') . __(" Falkon Productions, All Rights Reserved");
21    echo $copyright_message;
22}

```

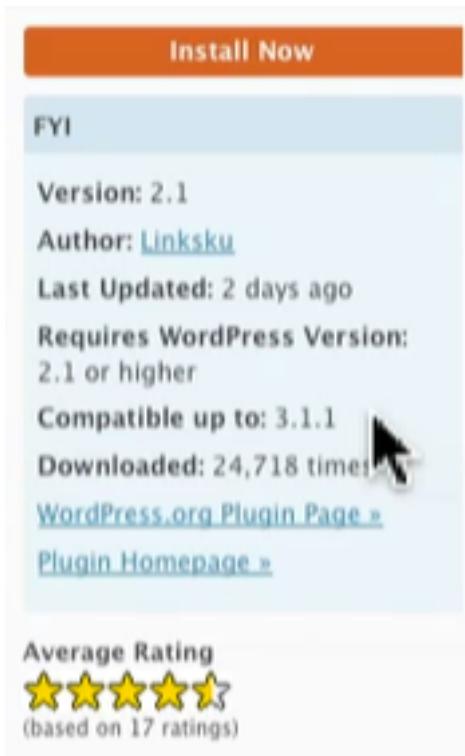
- \_\_()

```
copyright_plugin.php          top_posts.php
```

```
9  */
10
11 function tpp_posts_widget()
12 {
13     $tpp_posts_query = new WP_Query('&posts_per_page=10&
14
15     ?>
16     <h3><?php _e('Top Posts:') ?></h3>
17     <?php if ( $tpp_posts_query->have_posts() ) :
18         while ( $tpp_posts_query->have_posts() ) :
19             $tpp_posts_query->the_post();
20     ?>
```

- `_e()`
- Creates a POT file

## 0601 How to Choose Plugins.mp4



- Search Google for best plugin keyword
- Search the authors name or nickname

## 0602 Plugins for Developers.mp4

## PLUGINS TO HELP WORDPRESS DESIGNERS/DEVELOPERS

Reveal IDs - shows post, page, category and other IDs in the admin screens

Widget Logic - allows easy use of conditionals and other template tags within widgets

Admin Menu Editor - allows you to customize who sees what on the admin menus

Capability Manager - change the capabilities of WP roles

Theme Test Drive - when you need to try a new theme on an existing WP site

0603 Plugins for Design and Layout.mp4

## PLUGINS TO HELP CLIENTS DESIGN AND LAYOUT CONTENT

The WordPress Text Editor isn't the most user-friendly beyond the basics.

TinyMCE Advanced



WP-Table Reloaded

JShortcodes

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## Smashing Wordpress Chapter 7

- Plugin Basics
  - Location: wp-content/plugins/
  - Name must be unique
    - Check wordpress.org or in google to make sure your plugin is unique
  - ```
<?php
/*
Plugin Name: My Smashing Plugin
Plugin URI: http://my-smashing-plugin-url.com
Description: This is what my Smashing Plugin actually does.
Version: 1.0
Author: Thord Daniel Hedengren
Author URI: http://tdhedengren.com
*/
?>
```
  - - Header
  - include licensing information
    - [www.gnu.org/copyleft/gpl.html](http://www.gnu.org/copyleft/gpl.html)
    - change YEAR and PLUGIN AUTHOR E-MAIL
- Hooks and How to Use Them
  - Syntax: add\_action ('hook-name', 'function-name', X, Y );
    - X, is the priority argument (which defaults to 10)
      - The lower the number is, the earlier the function will be executed
    - Y, on the other hand, is the number of arguments your function can accept (defaulting to 1)
  - 2 Types of Hooks
    - Action Hook - triggered by specific events
      - publish\_post()
    - Filter Hook - are functions that WordPress passes data through
      - the\_excerpt()
      - the\_title()
  - Removing Hooks
    - remove\_action('action-hook','the-function')
    - remove\_filter('action-hook','the-function')
- Creating Your Own Template Tags
  - <?php function-name(); ?>
    - Just install the plugin, and you can call the function anywhere in your theme files
      - You don't need the hook
- The Pluggable Functions - to overwrite parts of the WordPress core functionality, when removing hooks won't do it
  - Location: wp-includes/pluggable.php

- you can only do an override once
  - make sure other plugins are not already overriding the functions you want to override
- to avoid unnecessary errors
  - <?php if (!function\_exists('function-name')); ?>
- Pluggable functions list: codex.wordpress.org/Pluggable\_Functions

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## 0401 How WP Uses Themes.mp4

- Steps
  - User Browser to Wordpress Core files
  - Wordpress Core to Theme Templates Files/Plugins
    - Do you have this file?
  - Theme Templates Files/Plugins to Wordpress Core
    - I need this information? This is done to query
  - Wordpress Core to database
    - Process the information in the database
  - Database back to Theme Template Files/Plugins
    - Puts the Data into HTML
  - Theme Template Files/Plugins to Wordpress Core for Presentation

## 0402 What is in a Theme.mp4

- Location: wp-content/themes/themename
- Require:
  - index.php
  - style.css

A basic WordPress theme:

header.php  
footer.php  
sidebar.php  
comments.php  
style.css

page.php  
single.php  
archive.php

functions.php

images folder

• Javascript folder

## 0403 Template Hierarchy.mp4

When Wordpress Query:

- Slug – category-internet-marketing.php
- Category ID – category-6.php
- Category.php
- Archive.php
- Index.php

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For More Information: [http://codex.wordpress.org/File:Template\\_Hierarchy.png](http://codex.wordpress.org/File:Template_Hierarchy.png)

## 0404 Layout Template Files.mp4



Create: header.php, sidebar.php, footer.php, content.php

- Header.php
  - Header area must have wp\_head()  
`<body <?php body_class(); ?>>`  
`<div id="wrapper" class="hfeed">`  
`<div id="header">`  
`<div id="masthead">`  
`<div id="branding" role="banner">`
  - Example: to insert default wordpress class
- `get_sidebar( 'footer' );`
  - sidebar-footer.php
    - `wp_footer();`
- `</body>`
  - insert wp\_footer before the last page

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```

if ( ! dynamic_sidebar( 'primary-widget-area' ) ) : ?>

<li id="search" class="widget-container wicget_search">
    <?php get_search_form(); ?>
</li>

<li id="archives" class="widget-container">
    <h3 class="widget-title"><?php _e( 'Archives', 'twentyten' ); ?></h3>
    <ul>
        <?php wp_get_archives( 'type=monthly' ); ?>
    </ul>
</li>

<li id="meta" class="widget-container">
    <h3 class="widget-title"><?php _e( 'Meta', 'twentyten' ); ?></h3>
    <ul>
        <?php wp_register(); ?>
        <li><?php wp_loginout(); ?></li>
        <?php wp_meta(); ?>
    </ul>
</li>

<?php endif; // end primary widget area ?>
</ul>

```

- </div><!-- #primary .widget-area -->
  - Creating Fallback

Look at wordpress default theme to learn more

## 0405 Stylesheets.mp4

```

/*
Theme Name: Twenty Ten
Theme URI: http://wordpress.org/
Description: The 2010 theme for WordPress is stylish, customizable, simple, and
readable -- make it yours with a custom menu, header image, and background.
Twenty Ten supports six widgetized areas (two in the sidebar, four in the
footer) and featured images (thumbnails for gallery posts and custom header
images for posts and pages). It includes stylesheets for print and the admin
Visual Editor, special styles for posts in the "Asides" and "Gallery"
categories, and has an optional one-column page template that removes the
sidebar.
Author: the WordPress team
Version: 1.2
License: GNU General Public License
License URI: license.txt
Tags: black, blue, white, two-columns, fixed-width, custom-header,
custom-background, threaded-comments, sticky-post, translation-ready,
microformats, rtl-language-support, editor-style, custom-menu
*/

```

- Mandatory
- Wordpress Generated Classes:
  - [http://codex.wordpress.org/Function\\_Reference/post\\_class](http://codex.wordpress.org/Function_Reference/post_class)
- Wordpress Convention

```
<div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>
<?php if ( is_front_page() ) { ?>
    <h2 class="entry-title"><?php the_title(); ?></h2>
<?php } else { ?>
    <h1 class="entry-title"><?php the_title(); ?></h1>
<?php } ?>
```

○ `<div class="entry-content">`

- Post Format CSS

○ `/* =Gallery listing`

```
.format-gallery .size-thumbnail img,
.category-gallery .size-thumbnail img {
    border: 10px solid #f1f1f1;
    margin-bottom: 0;
}
.format-gallery .gallery-thumb,
.category-gallery .gallery-thumb {
    float: left;
    margin-right: 20px;
    margin-top: -4px;
}
.home #content .format-gallery .entry-utility,
.home #content .category-gallery .entry-utility {
    padding-top: 4px;
}
```

- `• Print CSS`

○ `/* =Print Style`

```
@media print {
    body {
        background: none !important;
    }
    #wrapper {
        clear: both !important;
        display: block !important;
        float: none !important;
        position: relative !important;
    }
    #header {
        border-bottom: 2pt solid #000;
        padding-bottom: 18pt;
    }
}
```

- `• Editor-style.css`

```

function twentyten_setup() {
    // This theme styles the visual editor with editor-style.css to match the theme style.
    add_editor_style();
}

// Post Format support. You can also use the legacy "gallery" or "esides" (note the plural) categories.
add_theme_support( 'post-formats', array('aside', 'gallery') );

// This theme uses post thumbnails
add_theme_support( 'post-thumbnails' );

// Add default posts and comments RSS feed links to head
add_theme_support( 'automatic-feed-links' );

// Make theme available for translation
// Translations can be filed in the /languages/ directory
load_theme_textdomain('twentyten', TEMPLATEPATH . '/languages');

$locale = get_locale();

```

- ■    inside function.php

## 0406 Single and Page Templates.mp4

- single.php

```

single.php : (no symbol selected) : |>
<?php
/*
 * The Template for displaying all single posts.
 *
 * @package WordPress
 * @subpackage Twenty_Ten
 * @since Twenty Ten 1.0
 */

get_header(); ?>

<div id="container">
    <div id="content" role="main">

        <?php
        /* Run the loop to output the post.
         * If you want to overload this in a child theme then include a file
         * called loop-single.php and that will be used instead.
        */
        get_template_part( 'loop' );
    ?>

        </div><!-- #content -->
    </div><!-- #container -->

    <?php get_sidebar(); ?>
    <?php get_footer(); ?>

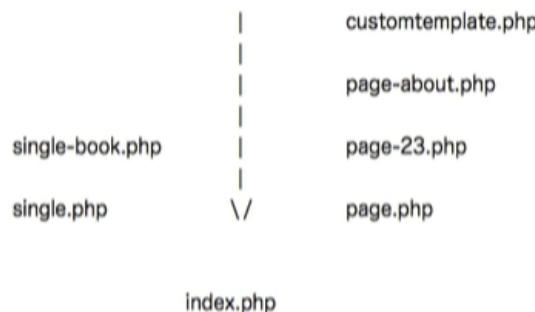
```

- ■    looks for loop-single.php

```
loop-single.php : (no symbol selected) :  
* @since Twenty Ten 1.2  
*/  
>  
<?php if ( have_posts() ) while ( have_posts() ) : the_post(); ?>  
  
    <div id="nav-above" class="navigation">  
        <div class="nav-previous"><?php previous_post_link( '%<br />  
        <div class="nav-next"><?php next_post_link( '%link', '%<br />  
    </div><!-- #nav-above -->  
  
    <div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>
```

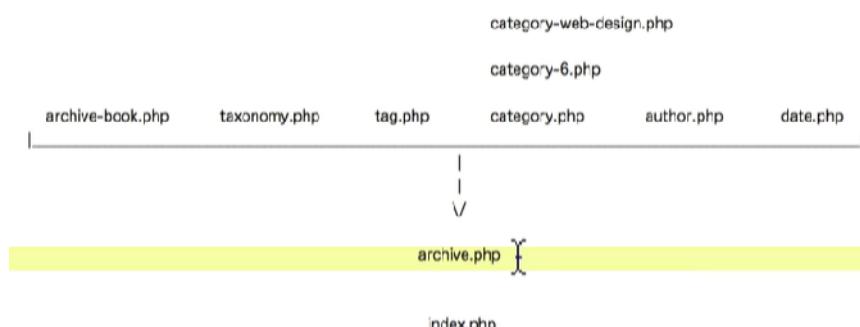
- page.php
  - Template Hierarchy

#### SINGLE.PHP and PAGE.PHP in the Template Hierarchy



0407 Category and Archive Templates.mp4

## Displaying Multiple Posts in the Template Hierarchy



Archive.php

```

<h1 class="page-title">
<?php if ( is_day() ) : ?>
    <?php printf( __( 'Daily Archives: <span>%s</span>', 'twentyten' ), get_the_date() ); ?>
<?php elseif ( is_month() ) : ?>
    <?php printf( __( 'Monthly Archives: <span>%s</span>', 'twentyten' ), get_the_date( 'F Y' ) ); ?>
<?php elseif ( is_year() ) : ?>
    <?php printf( __( 'Yearly Archives: <span>%s</span>', 'twentyten' ), get_the_date( 'Y' ) ); ?>
<?php else : ?>
    <?php _e( 'Blog Archives', 'twentyten' ); ?>
<?php endif; ?>
</h1>

<?php
/* Since we called the_post() above, we need to
 * rewind the loop back to the beginning that way
 * we can run the loop properly, in full.
 */
rewind_posts();

/* Run the loop for the archives page to output the posts.
 * If you want to overload this in a child theme then include a file
 * called loop-archive.php and that will be used instead.
 */
get_template_part( 'loop', 'archive' );

```

- looks for loop-archive but if it doesn't exist it will use loop.php

## Category.php

```

<div id="content" role="main">

<h1 class="page-title"><?php
    printf( __( 'Category Archives: %s', 'twentyten' ), '<span>' . single_cat_title( '', false ) . '</span>' );
?></h1>
<?php
    $category_description = category_description();
    if ( ! empty( $category_description ) )
        echo '<div class="archive-meta">' . $category_description . '</div>';

/* Run the loop for the category page to output the posts.
 * If you want to overload this in a child theme then include a file
 * called loop-category.php and that will be used instead.
 */
get_template_part( 'loop', 'category' );
?>

</div><!-- #content -->

```

- if there is a category description, display it

## 0408 Loop Templates.mp4

```

get_header(); ?>

<div id="container">
    <div id="content" role="main">

<?php if ( have_posts() ) while ( have_posts() ) : the_post(); ?>

    <div id="nav-above" class="navigation">
        <div class="nav-previous"><?php previous_post_link( '%link', '<span class="meta-nav">' . _x( '&larr;', 'Previous post' ) ); ?>

```

```

<div class="nav-next"><?php next_post_link( '%link', '%title <span class="meta-nav">' . _x( '&rarr;', 'Next post link' ) . '</span>' );
</div><!-- #nav-above -->

<div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>
<h1 class="entry-title"><?php the_title(); ?></h1>

<div class="entry-meta">
<?php twentyten_posted_on(); ?>
</div><!-- .entry-meta -->

<div class="entry-content">
<?php the_content(); ?>
<?php wp_link_pages( array( 'before' => '<div class="page-link">' . __( 'Pages:', 'twentyten' ), 'after' => '</div>' ) );
</div><!-- .entry-content -->

<?php if ( get_the_author_meta( 'description' ) ) : // If a user has filled out their description, show a bio on their entries ?>
<div id="entry-author-info">
<div id="author-avatar">
<?php echo get_avatar( get_the_author_meta( 'user_email' ), apply_filters( 'twentyten_author_bio_avatar_size', 90 ) );
</div><!-- #author-avatar -->
<div id="author-description">
<h2><?php printf( esc_attr__( 'About %s', 'twentyten' ), get_the_author() ); ?></h2>
<?php the_author_meta( 'description' ); ?>
<div id="author-link">
<a href=<?php echo get_author_posts_url( get_the_author_meta( 'ID' ) ); ?>>
<?php printf( __( 'View all posts by %s <span class="meta-nav">&rarr;</span>', 'twentyten' ), get_the_author() );
</a>
</div><!-- #author-link -->
</div><!-- #author-description -->
</div><!-- #entry-author-info -->
<?php endif; ?>

<div class="entry-utility">
<?php twentyten_posted_in(); ?>
<?php edit_post_link( __( 'Edit', 'twentyten' ), '<span class="edit-link">' . '</span>' );
</div><!-- .entry-utility -->
</div><!-- #post-## -->

<div id="nav-below" class="navigation">
<div class="nav-previous"><?php previous_post_link( '%link', '<span class="meta-nav">' . _x( '&larr;', 'Previous post link' ) . '</span>' );
<div class="nav-next"><?php next_post_link( '%link', '%title <span class="meta-nav">' . _x( '&rarr;', 'Next post link' ) . '</span>' );
</div><!-- #nav-below -->

<?php comments_template( '', true ); ?>

<?php endwhile; // end of the loop. ?>
• get_template_part( 'loop', 'category' );
    ○ If I can't find loop-category.php, it will use loop.php

```

## 0409 Functions.mp4

- To place php functions to turn on/off wordpress defaults (functionalities)

```

function twentyten_setup() {

    // This theme styles the visual editor with editor-style.css to match the theme style.
    add_editor_style();

    // Post Format support. You can also use the legacy "gallery" or "asides" (note the plural) categories.
    add_theme_support( 'post-formats', array( 'aside', 'gallery' ) );

    // This theme uses post thumbnails
    add_theme_support( 'post-thumbnails' ); }

    // Add default posts and comments RSS feed links to head
    add_theme_support( 'automatic-feed-links' );

    // Make theme available for translation
    // Translations can be filed in the /languages/ directory
    load_theme_textdomain( 'twentyten', TEMPLATEPATH . '/languages' );

    $locale = get_locale();
    $locale_file = TEMPLATEPATH . "/languages/$locale.php";
}

○ To Register Navigation Area
    // This theme uses wp_nav_menu() in one location.
    register_nav_menus( array(
        'primary' => __( 'Primary Navigation', 'twentyten' ),
    ) );

```

## 0410 Other Basic Templates.mp4

- comments.php
- 404.php
- author.php
- loop-tag.php
- attachment.php

## 0411 WP Generated CSS Classes.mp4

- <div id="post-<?php the\_ID(); ?>" <?php post\_class(); ?>>
- <body <?php body\_class(); ?>>

The three template tags which add WordPress-generated class attributes:

- body\_class()
- post\_class()
- comment\_class()

## 0412 Child Themes.mp4

## WHAT IS A CHILD THEME?

reside in a folder inside the wp-content/themes directory

use the theme files of their parent



but override those files if one is included in the child theme - version of hierarchy

one exception is functions.php - it's combined with the parent file

style.css is the only file a child theme MUST have

can have as many additional files as you want

## WHY USE CHILD THEMES?

easy way to get into WordPress

speeds development

preserves the parent theme files

```
/*
Theme Name: Client Child Theme
Theme URL: http://mydomain.com/
Description: This is a Child theme of the TwentyTen theme. < WARNING: this
theme contains customizations which will be lost if you simply switch themes.
To maintain the customizations, make a copy of this theme and rename it, then
make design or other changes >.
Author: Me
Version: 1.0
Template: twentyten
*/
```

```
@import url("../twentyten/style.css");
```

0414 Example Theme Framework.mp4

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## WHAT ARE THEME FRAMEWORKS?

parent themes on steroids

parent themes with a lot of options

they're meant to be parent themes

typically include:

- multiple layout options (CSS files)

- lots of widgetized areas

- a variety of page templates

- built-in hooks

- - additional built-in CSS classes

## WHY USE A THEME FRAMEWORK?

often better thought out than a regular theme

there's always customization needed - frameworks make it easier

frameworks often have a larger community of support

- a framework is a consistent base from which to work

## THINGS TO CONSIDER WHEN CHOOSING A FRAMEWORK

you need to be comfortable with a framework - it's another layer of constraint

frameworks may help with layout to some extent, but design is design

make sure the framework is high quality

- flexible
- well thought out
- meets web standards
- secure

- Theme Framework Sample
  - Thematic
  - Theme Hybrid
  - Gantry

0801 PHP Basics pt 1.mp4

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## Basic Syntax of PHP

.php every file that's going to use PHP must end in this extension

<?php code goes here ?> every block of code has to be enclosed this way

; every line of code must end with a semi-colon

// A comment allows us to make our coding clearer

```
/*
It's easier to enclose
a long comment using
this format
*/
```

Using variables in PHP

\$ variables start with the dollar sign | }

= this is the operator for assigning values to a variable

```
$myName = "George";
$myNumber = 5;
```

\$myname \$myName \$my-name \$my\_name NOT \$my name or \$MYNAME

## The IF Statement in PHP

```
<?php if ( condition to be met ) :
    do something
endif; ?>
```

```
<?php if ( $a > 10 ) :
    print 'The number is larger than 10';
endif; ?>
```

```
<?php if ( $a > 10 ) {
    print 'The number is larger than 10';
} ?>
```

```
<?php if ( $a > 10 ) : ?>
<div class="result">
<p>The number is larger than 10.</p>
</div>
<?php endif; ?>
```

```
<?php if ( I have_posts() ) : ?>
```

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### The IF...ELSE Statement in PHP

```
<?php if ( condition to be met ) :  
    do something  
    else :  
        do something different  
    endif; ?>  
  
<?php if ( $a > 10 ) : ?>  
    <div class="result">  
        <p>The number is larger than 10.</p>  
    </div>  
<?php else : ?>  
    <div class="result">  
        <p>The number is 10 or less.</p>  
    </div>  
<?php endif; ?>  
  
<?php if ( is_archive() || is_search() ) : // Display excerpts for archives and search. ?>  
    <div class="entry-summary">  
        <?php the_excerpt(); ?>  
    </div><!-- .entry-summary -->  
<?php else : ?>  
    <div class="entry-content">  
        <?php the_content( __( 'Continue reading <span class="meta-nav">&rarr;</span>', 'twen  
</div><!-- .entry-content -->  
<?php endif; ?>
```

### The IF...ELSEIF...ELSE Statement in PHP

```
<?php if ( condition to be met ) :  
    do something  
elseif ( another condition to meet ) :  
    do something different  
else :  
    do yet another thing  
endif; ?>  
  
<?php if ( $a > 10 ) : ?>  
    <div class="result">  
        <p>The number is larger than 10.</p>  
    </div>  
<?php elseif ( $a == 10 ) : ?>  
    <div class="result">  
        <p>The number is 10.</p>  
    </div>  
<?php else : ?>  
    <div class="result">  
        <p>The number is less than 10.</p>  
    </div>  
<?php endif; ?>
```

## The IF...ELSEIF...ELSE Statement in PHP

```
<?php if ( condition to be met ) :  
    do something  
    elseif ( another condition to meet ) :  
        do something different  
    else :  
        do yet another thing  
    endif; ?>  
  
<?php if ( $a > 10 ) : ?>  
    <div class="result">  
        <p>The number is larger than 10.</p>  
    </div>  
<?php elseif ( $a == 10 ) : ?>  
    <div class="result">  
        <p>The number is 10.</p>  
    </div>  
<?php else : ?>  
    <div class="result">  
        <p>The number is less than 10.</p>  
    </div>  
<?php endif; ?>
```

## The WHILE Statement in PHP

```
<?php while ( condition to be met ) :  
    do something over and over  
endwhile; ?>  
  
<?php while ( have_posts() ) : the_post(); ?>  
    <div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>  
  
    <?php if ( is_archive() || is_search() ) : // Display excerpts for archives and search. ?>  
        <div class="entry-summary">  
            <?php the_excerpt(); ?>  
        </div><!-- .entry-summary -->  
    <?php else : ?>  
        <div class="entry-content">  
            <?php the_content( __( 'Continue reading <span class="meta-nav">&rarr;</span>', 'twentyten' ) ); ?>  
        </div><!-- .entry-content -->  
    <?php endif; ?>  
  
    <div class="entry-utility">  
        <?php twentyten_posted_on(); ?>  
        <span class="meta-sep">|</span>  
        <span class="comments-link"><?php comments_popup_link( __( 'Leave a comment', 'twentyten' ), 'Edit', 'twentyten' ) ?>  
        <?php edit_post_link( __( 'Edit', 'twentyten' ), '<span class="meta-sep">|</span> <span class="edit-link">' ); ?>  
    </div><!-- .entry-utility -->  
</div><!-- #post-## -->  
<?php endwhile; ?>
```

## 0803 Common PHP Errors.mp4

## Common errors in PHP

Using = instead of ==	
Missing semi-colon	<?php \$myImage = wp_get_attachment_image( 4 ) ?>
Misspelling a variable	<?php \$image_name = "My dog"; print 'The title is ' . \$imag_name; ?>
Unescaped quotes	<?php print 'My dog's called Spot';?>
Missing bracket	<?php if ( is_category(45) : ?>
Missing quote mark	<?php \$image_tag = wp_get_attachment_image( \$image->ID, 'thumbnail' );?>
Mixing quote marks	<?php \$image_tag = wp_get_attachment_image( \$image->ID, "thumbnail" );?>
Missing IF	<?php ( is_category(45)) : print 'Right category'; else : print 'Wrong category';?>
Blank lines at end	If the last item on a page is a closing tag ?, there cannot be blank lines after

Error messages often point to a line in the script just after the error

## 0804 The Loop.mp4

A very basic Loop:

```
<?php if (have_posts()) : ?> }  
<?php while (have_posts()) : the_post(); ?>  
  
    <?php the_title(); ?>  
  
    <?php the_content(); ?>  
  
    <?php endwhile; ?>  
  
<?php endif; ?>
```

Doing more things within a Loop:

```
<?php if (have_posts()) : ?>  
    <?php while (have_posts()) : the_post(); ?>  
        <?php if (in_category(45)) : ?>  
            <div id="post-<?php the_ID(); ?>" <?php post_class('testimonial'); ?>> }  
        <?php else: ?>  
            <div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>  
        <?php endif; ?>  
        <?php the_title(); ?>  
        <?php the_content(); ?>  
        </div>  
    <?php endwhile; ?>  
<?php endif; ?>
```

Created with

```

<?php while ( have_posts() ) : the_post(); ?>

<?php /* How to display posts of the Gallery format. The gallery category is the old way. */ ?>

    <?php if ( ( function_exists( 'get_post_format' ) && 'gallery' == get_post_format( $post->ID ) ) || in_category( _x( 'gallery', 'div id="post-<?php the_ID(); ?>" <?php post_class(); ?>' )
        <h2 class="entry-title"><a href="<?php the_permalink(); ?>" title="<?php printf( esc_attr__( 'Permalink to %s', 'twentyten' ), get_the_title() ); ?>"><?php the_title(); ?></a></h2>
        <div class="entry-meta">
            <?php twentyten_posted_on(); ?>
        </div><!-- .entry-meta -->

        <div class="entry-content">
            <?php if ( post_password_required() ) : ?>
                <?php the_content(); ?>
            <?php else : ?>
                <?php
                    $images = get_children( array( 'post_parent' => $post->ID, 'post_type' => 'attachment', 'post_mime_type' => 'image' );
                    if ( $images ) {
                        $total_images = count( $images );
                        $image = array_shift( $images );
                        $image_img_tag = wp_get_attachment_image( $image->ID, 'thumbnail' );
                    }
                ?>
                <div class="gallery-thumb">
                    <a class="size-thumbnail" href="<?php the_permalink(); ?>"><?php echo $image_img_tag; ?></a>
                </div><!-- .gallery-thumb -->
                <p><em><?php printf( _n( 'This gallery contains <a %1$s>%2$s photo</a>.', 'This gallery contains <a %1$s>%2$s photos</a>', $total_images ); ?>
                    'href=' . get_permalink() . "' title='" . sprintf( esc_attr__( 'Permalink to %s', 'twentyten' ), the_title_attribute( 'post_format_i18n' ) );
                </em></p>
                <?php endif; ?>
                <?php the_excerpt(); ?>
            <?php endif; ?>
        </div><!-- .entry-content -->

        <div class="entry-utility">
            <?php if ( function_exists( 'get_post_format' ) && 'gallery' == get_post_format( $post->ID ) ) : ?>
                <a href="<?php echo get_post_format_link( 'gallery' ); ?>" title="<?php esc_attr_e( 'View Galleries', 'twentyten' ); ?>"><?php esc_attr( 'View Galleries' ); ?></a>
                <span class="meta-sep">|</span>
            <?php elseif ( in_category( _x( 'gallery', 'gallery category slug', 'twentyten' ) ) ) : ?>
                <a href="<?php echo get_term_link( _x( 'gallery', 'gallery category slug', 'twentyten' ), 'category' ); ?>" title="<?php esc_attr( 'View category' ); ?>"><?php esc_attr( 'View category' ); ?></a>
                <span class="meta-sep">|</span>
            <?php endif; ?>
                <span class="comments-link"><?php comments_popup_link( __( 'Leave a comment', 'twentyten' ), __( '1 Comment', 'twentyten' ), __( 'Edit', 'twentyten' ) ); ?></span>
                <?php edit_post_link( __( 'Edit', 'twentyten' ), '<span class="meta-sep">|</span> <span class="edit-link">', '</span>' );
            </div><!-- #post-## -->
        </div>
    <?php /* How to display posts of the Aside format. The asides category is the old way. */ ?>

    <?php elseif ( ( function_exists( 'get_post_format' ) && 'aside' == get_post_format( $post->ID ) ) || in_category( _x( 'aside', 'div id="post-<?php the_ID(); ?>" <?php post_class(); ?>' )
        <?php if ( is_archive() || is_search() ) : // Display excerpts for archives and search. ?>
            <div class="entry-summary">
                <?php the_excerpt(); ?>
            </div><!-- .entry-summary -->
        <?php else : ?>

```

```

<div class="entry-content">
    <?php the_content(__( 'Continue reading <span class="meta-nav">&rarr;</span>', 'twentyten' )); ?>
</div><!-- .entry-content -->
<?php endif; ?>

<div class="entry-utility">
    <?php twentyten_posted_on(); ?>
    <span class="meta-sep"></span>
    <span class="comments-link"><?php comments_popup_link(__( 'Leave a comment', 'twentyten' ),__( '1 Comment', 'twentyten' ),__( 'Edit', 'twentyten' ), '<span class="meta-sep">|</span> <span class="edit-link">', '</span>' )</span>
</div><!-- .entry-utility -->
</div><!-- #post-## -->

<?php /* How to display all other posts. */ ?>

<?php else : ?>
    <div id="post-php the_ID(); ?&gt;" &lt;?php post_class(); ?&gt;&gt;
        &lt;h2 class="entry-title"&gt;&lt;a href="&lt;?php the_permalink(); ?&gt;" title="&lt;?php printf( esc_attr__( 'Permalink to %s', 'twentyten' ), the_title() ); ?&gt;"&gt;&lt;?php the_title(); ?&gt;&lt;/a&gt;&lt;/h2&gt;
        &lt;div class="entry-meta"&gt;
            &lt;?php twentyten_posted_on(); ?&gt;
        &lt;/div&gt;&lt;!-- .entry-meta --&gt;

        &lt;?php if ( is_archive() || is_search() ) : // Only display excerpts for archives and search. ?&gt;
            &lt;div class="entry-summary"&gt;
                &lt;?php the_excerpt(); ?&gt;
            &lt;/div&gt;&lt;!-- .entry-summary --&gt;
        &lt;?php else : ?&gt;
            &lt;div class="entry-content"&gt;
                &lt;?php the_content(__( 'Continue reading &lt;span class="meta-nav"&rarr;</span>', 'twentyten' )); ?>
                <?php wp_link_pages( array( 'before' => '<div class="page-link">' . __( 'Pages:', 'twentyten' ), 'after' => '</div>' ) ); ?>
            </div><!-- .entry-content -->
            <?php endif; ?>

            <div class="entry-utility">
                <?php if ( count( get_the_category() ) ) : ?>
                    <span class="cat-links">
                        <?php printf(__( 'Posted in<span class="%1$s">%2$s</span>', 'twentyten' ), 'entry-utility-prep entry-utility-p', get_the_category() );
                    </span>
                    <span class="meta-sep">|</span>
                <?php endif; ?>
                <?php
                    $tags_list = get_the_tag_list( ', ', ' ' );
                    if ( $tags_list ):
                ?>
                    <span class="tag-links">
                        <?php printf(__( 'Tagged<span class="%1$s">%2$s</span>', 'twentyten' ), 'entry-utility-prep entry-utility-p', $tags_list );
                    </span>
                    <span class="meta-sep">|</span>
                <?php endif; ?>
                <span class="comments-link"><?php comments_popup_link(__( 'Leave a comment', 'twentyten' ),__( '1 Comment', 'twentyten' ),__( 'Edit', 'twentyten' ), '<span class="meta-sep">|</span> <span class="edit-link">', '</span>' )</span>
            </div><!-- .entry-utility -->
        <?php endif; ?>

```



```

<?php edit_post_link( __( 'Edit', 'twentyten' ), '<span class="meta-sep">|</span> <span class="edit-link">', '</span>' );
</div><!-- .entry-utility -->
</div><!-- #post-## -->

<?php comments_template( "", true ); ?>

<?php endif; // This was the if statement that broke the loop into three parts based on categories. ?>

<?php endwhile; // End the loop. Whew. ?>

```

VTC

```

<?php /* Display navigation to next/previous pages when applicable */ ?>
<?php if ( $wp_query->max_num_pages > 1 ) : ?>
    <div id="nav-below" class="navigation">
        <div class="nav-previous"><?php next_posts_link( __( '<span class="meta-nav">&larr;</span> Older po' ) );
        <div class="nav-next"><?php previous_posts_link( __( 'Newer posts <span class="meta-nav">&rarr;</span>' ) );
    </div><!-- #nav-below -->
<?php endif; ?>

```

## 0805 Creating Your Own Loops

The URL of a page triggers a database query in WordPress

[http://www.mydomain.com/?page\\_id=2](http://www.mydomain.com/?page_id=2)

<http://www.mydomain.com/?cat=45>

But you can create your own queries

You can create your own "loop"

```

<?php $myQuery = new WP_Query( 'cat=5&orderby=title&order=DESC' ); ?>

<?php if ($myQuery -> have_posts()) : ?>
    <?php while ($myQuery -> have_posts()) : $myQuery -> the_post(); ?>
        <div id="post-php the_ID(); ?&gt;" &lt;?php post_class(); ?&gt;&gt;
            &lt;?php the_title(); ?&gt;
            &lt;?php the_content(); ?&gt;
        &lt;/div&gt;
    &lt;?php endwhile; ?&gt;
&lt;?php endif; ?&gt;
</pre

```

Different ways of writing the same query

```
<?php $myQuery = new WP_Query( 'cat=5&orderby=title&order=DESC' ); ?>

<?php $myQuery = new WP_Query( array('cat' => 5, 'orderby' => 'title', 'order' => 'DESC') ); ?>

<?php
$args = array (
    'cat' => 5,
    'orderby' => 'title',
    'order' => 'DESC'
);
$myQuery = new WP_Query ($args);
?>
```



If your new loop is inside The Loop, you must RESET

```
<?php $myQuery = new WP_Query( 'cat=5&orderby=title&order=DESC' ); ?>

<?php if ( $myQuery -> have_posts() ) : ?>
    <?php while ( $myQuery -> have_posts() ) : $myQuery -> the_post(); ?>
        <div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>
            <?php the_title(); ?>
            <?php the_content(); ?>
        </div>
    <?php endwhile; ?>
<?php endif; ?>
<?php wp_reset_query(); ?>
```

Don't confuse wp\_reset\_query() with rewind\_posts()

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When to use WP\_Query() vs. query\_posts()

WP\_Query() is for new queries

query\_posts() is for modifying an existing Loop }

```
<?php  
global $query_string;  
query_posts ($query_string . "&orderby=title");  
?>
```

If you need to return to the original query, remember to use

```
wp_reset_query();
```

## 0806 Template Tags.mp4

 [http://codex.wordpress.org/Template\\_Tags](http://codex.wordpress.org/Template_Tags)

When you click the template tags, it will tell you optional parameter

PHP-style

```
<?php the_title('','',TRUE); ?>
```

Query-style

```
<?php wp_list_categories('show_count=0&hide_empty=1&child_of=8') ?>
```

The available parameters for the\_title()

```
<?php the_title( $before, $after, $echo ); ?>
```

How to change just the first two parameters

```
<?php the_title("','"); ?>
```

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```

<?php
//Creates a sidebar list of categories
//You can change the values, but keep quote marks intact

$orderby    = 'name'; // Choices: name, id, count
$show_count = 0;     // 1 for yes, 0 for no
$hierarchical = 1;   // 1 for yes, 0 for no
$title      = 'My Blog Categories'; // Text for the title

// Do not change anything below this line

$args = array(
    'orderby'    => $orderby,
    'show_count' => $show_count,
    'hierarchical' => $hierarchical,
    'title_li'   => '<h3 class="widget-title">' . $title . '</h3>'
);
?>

<?php wp_list_categories( $args ); ?>

```

## 0807 Conditional Tags.mp4

A Conditional Tag:

tests whether a condition is met and returns TRUE or FALSE

Is the current page, the home page?

```

<?php if ( is_home() ) :?>
    Welcome home!
<?php endif; ?>

```

Examples of some Conditional Tags

`is_front_page ()`

`is_archive ()` (Category, Tag, Author, Date pages are all archives)

Conditionals that take parameters

`is_single ( '23' )`

`is_page ( 'About Us' )`

`is_category ( array ( 45, 'SEO', 'web-design' ) )`

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What's the difference between these two conditional tags?

is\_home () Refers to the Posts Page, whether it's the front page or not  
}

is\_front\_page () Refers to whatever is set as the front page of the site

Don't confuse these two conditional tags:

is\_category () }

in\_category ()

Sample:

```
<?php if ( is_page_template( 'page-my-section.php' ) : ?>
    <?php wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'mysection' ) ); ?>
<?php else : ?>
    <?php wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'primary' ) ); ?>
<?php endif; ?>
```

0808 Functions.mp4

Three Key Uses for the Functions.php file:

Enable available WP features, such as featured images, navigation menus etc.

Define custom functions that you can use in your theme template files

Set up theme options that users can access in the admin

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```

function twentyten_setup() {
    // This theme styles the visual editor with editor-style.css to match the theme style.
    add_editor_style();

    // Post Format support. You can also use the legacy "gallery" or "asides" (note the plural) categories.
    add_theme_support( 'post-formats', array( 'aside', 'gallery' ) );
}

// This theme uses post thumbnails
add_theme_support( 'post-thumbnails' );

// Add default posts and comments RSS feed links to head
add_theme_support( 'automatic-feed-links' );

// Make theme available for translation
// Translations can be filed in the /languages/ directory
load_theme_textdomain( 'twentyten', TEMPLATEPATH . '/languages' );

$locale = get_locale();
$locale_file = TEMPLATEPATH . "/languages/$locale.php";
if ( is_readable( $locale_file ) )
    require_once( $locale_file );

// This theme uses wp_nav_menu() in one location.
register_nav_menus( array(
    'primary' => __( 'Primary Navigation', 'twentyten' ),

```

- Turning on wordpress default

```

if ( ! function_exists( 'twentyten_posted_on' ) ) :
/**
 * Prints HTML with meta information for the current post-date/time and author.
 *
 * @since Twenty Ten 1.0
 */
function twentyten_posted_on() {
    printf( __( '<span class="%1$s">Posted on</span> %2$s <span class="meta-sep">by</span> %3$s', 'twentyten' ),
        'meta-prep meta-prep-author',
        sprintf( '<a href="%1$s" title="%2$s" rel="bookmark"><span class="entry-date">%3$s</span></a>',
            get_permalink(),
            esc_attr( get_the_time() ),
            get_the_date()
        ),
        sprintf( '<span class="author vcard"><a class="url fn n" href="%1$s" title="%2$s">%3$s</a></span>',
            get_author_posts_url( get_the_author_meta( 'ID' ) ),
            sprintf( esc_attr__( 'View all posts by %s', 'twentyten' ), get_the_author() ),
            get_the_author()
        )
    );
}
endif;

```

- Custom wordpress function
- Calling the custom wordpress function:

```

<div class="entry-utility">
    <?php twentyten_posted_on(); ?>
    <span class="meta-sep">|</span>

```

Two ways functions work:

They're created and then available to use in template files

They're created and inserted into core WordPress processes (using Hooks)

```
<?php

    'before_title' => '<h3 class="widget-title">',
    'after_title' => '</h3>',
);

/** Register sidebars by running twentyten_widgets_init() on the widgets_init hook. */
add_action( 'widgets_init', 'twentyten_widgets_init' );

/**
 * Removes the default styles that are packaged with the Recent Comments widget.
 *
 * To override this in a child theme, remove the filter and optionally add your own
 * function tied to the widgets_init action hook.
 *
 * This function uses a filter (show_recent_comments_widget_style) new in WordPress 3.1
 * to remove the default style. Using Twenty Ten 1.2 in WordPress 3.0 will show the styles,
 * but they won't have any effect on the widget in default Twenty Ten styling.
 *
 * @since Twenty Ten 1.0
 */
function twentyten_remove_recent_comments_style() {
    add_filter( 'show_recent_comments_widget_style', '__return_false' );
}
add_action( 'widgets_init', 'twentyten_remove_recent_comments_style' );
```

?>

## 0809 Creating a Plugin.mp4

WHY CREATE A PLUGIN?

So the functionality is theme-independent

Because the functionality is too complex to have as part of functions.php.

Because the functionality requires a special interface in the admin area.

It may be something you're going to share with the WordPress community.

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## See Hello Dolly Plugin

```
<?php
/**
 * @package Hello_Dolly
 * @version 1.6
 */
/*
Plugin Name: Hello Dolly
Plugin URI: http://wordpress.org/extend/plugins/hello-dolly/
Description: This is not just a plugin, it symbolizes the hope and enthu
Author: Matt Mullenweg
Version: 1.6
Author URI: http://ma.tt/
*/

function hello_dolly_get_lyric() {
    /** These are the lyrics to Hello Dolly */
    $lyrics = "Hello, Dolly
Well, hello, Dolly
It's so nice to have you back where you belong

    // Here we split it into lines
    $lyrics = explode( "\n", $lyrics );

    // And then randomly choose a line
    return wptexturize( $lyrics[ mt_rand( 0, count( $lyrics ) - 1 ) ] );
}

// This just echoes the chosen line, we'll position it later
function hello_dolly() {
    $chosen = hello_dolly_get_lyric();
    echo "<p id='dolly'>$chosen</p>";
}

// Now we set that function up to execute when the admin_notices a
add_action( 'admin_notices', 'hello_dolly' );

// We need some CSS to position the paragraph
function dolly_css() {
```

```

// This makes sure that the positioning is also good for right-to-left languages
$x = is_rtl() ? 'left' : 'right';

echo "
<style type='text/css'>
#dolly {
    float: $x;
    padding-$x: 15px;
    padding-top: 5px;
    margin: 0;
    font-size: 11px;
}
</style>
";
}

add_action( 'admin_head', 'dolly_css' );

```

?( ) ▶

```

<?php
/*
Plugin Name: My Custom Taxonomies
Plugin URI: http://shortordersites.com
Description: This plugin registers all my custom taxonomies so th
Author: George Plumley
Version: 1.0
Author URI: http://shortordersites.com
*/

```

```

add_action( 'init', 'register_all_taxonomies', 0 );

function register_all_taxonomies() {

    register_taxonomy(
        'portfolio',
        'post',
        array(
            'public' => true,
            'labels' => array(
                'name' => __( 'Portfolios' ),
                'singular_name' => __( 'Portfolio' )
            ),
        ),
    );
}

```

0810 Hooks.mp4

## What are WordPress Hooks?

A hook is a point at which extra code can be added or existing data changed.



Hooks are used by plugin developers and theme developers to change the way WordPress works or the data it works with

Most hooks are inside WordPress core files, but some are in theme files.

- Hook Sample
  - Wp\_head
  - Wp\_footer

## 2 types of Hooks

- Action hooks – add or remove actions
  - [http://codex.wordpress.org/Plugin\\_API/Action\\_Reference](http://codex.wordpress.org/Plugin_API/Action_Reference)
- Filter hooks – add or remove filters
  - [http://codex.wordpress.org/Plugin\\_API/Filter\\_Reference](http://codex.wordpress.org/Plugin_API/Filter_Reference)

### ACTION HOOKS

add new code to be executed

```
<?php
function twentyten_widgets_init() {
    // Area 1, located at the top of the sidebar.
    register_sidebar( array(
        'name' => __( 'Primary Widget Area', 'twentyten' ),
        'id' => 'primary-widget-area',
        'description' => __( 'The primary widget area', 'twentyten' ),
        'before_widget' => '<li id="%1$s" class="widget-container %2$s">',
        'after_widget' => '</li>',
        'before_title' => '<h3 class="widget-title">',
        'after_title' => '</h3>',
    ) );
}
/** Register sidebars by running twentyten_widgets_init() on the widgets_init hook. */
add_action( 'widgets_init', 'twentyten_widgets_init' );
?>
```

## FILTER HOOKS

change existing data in some way

```
<?php  
function twentyten_excerpt_length( $length ) {  
    return 40;  
}  
add_filter( 'excerpt_length', 'twentyten_excerpt_length' );  
?>
```

## 0811 Custom Page Templates.mp4

### WHAT ARE CUSTOM PAGE TEMPLATES?

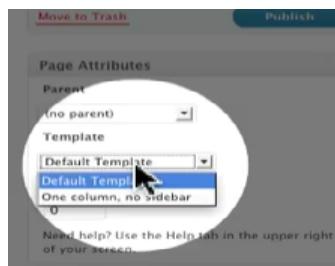
Used to create new WordPress page layouts and/or functionality

Template files located in a theme



Automatically detected by WP and displayed for users to choose from

In a sense they're outside of the WP template hierarchy (as opposed to page-23.php)



### BASICS OF A CUSTOM PAGE TEMPLATE

```
<?php  
/**  
 * Template Name: Display all Links  
 */  
  
get_header(); ?>
```

Sample:

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```
<?php
/**
 * Template Name: One column, no sidebar|
 *
 * A custom page template without sidebar.
 *
 * The "Template Name:" bit above allows this to be selectable
 * from a dropdown menu on the edit page screen.
 *
 * @package WordPress
 * @subpackage Twenty_Ten
 * @since Twenty Ten 1.0
 */

get_header(); ?>
```

## 0812 Post Formats.mp4

### WHAT ARE POST FORMATS?

They allow users to easily choose between different styles for posts

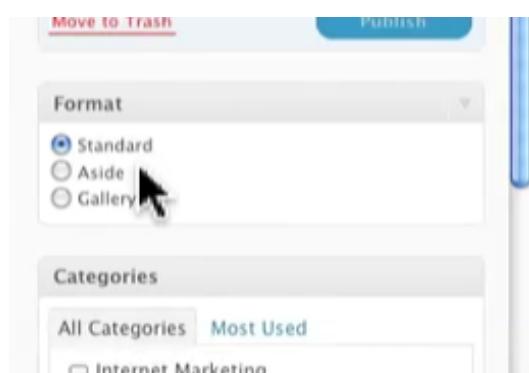
There are 9 post format types you can use:

aside gallery link image quote status video audio chat

You can format posts using CSS and/or conditional tags in template files

They're category-independent

WP does not automatically use Post Formats - you need to set them up



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## HOW TO INVOKE POST FORMATS

In your functions.php file you set up post formats this way:

```
<?php add_theme_support( 'post-formats', array( 'aside', 'gallery' ) ); ?>
```

NOTE: In the case of child themes, if the parent has post formats, and you add support in your child's functions.php file, the child post formats will OVERRIDE the parent's, not add to the original list of formats.

<?php /\* How to display posts of the Aside format. The asides category is the old way. \*/ ?>

```
<?php elseif ( ( function_exists( 'get_post_format' ) && 'aside' == get_post_format( $post->ID ) ) || in_category( 'aside' ) ) : // Display asides. ?>
<div id="post-<?php the_ID(); ?>" ><?php post_class(); ?></div>
<?php if ( is_archive() || is_search() ) : // Display excerpts for archives and search. ?>
<div class="entry-summary">
<?php the_excerpt(); ?>
</div><!-- .entry-summary -->
<?php else : ?>
<div class="entry-content">
<?php the_content( __( 'Continue reading <span class="meta-nav">&rarr;</span>', 'twentyten' ) ); ?>
</div><!-- .entry-content -->
<?php endif; ?>

<div class="entry-utility">
<?php twentyten_posted_on(); ?>
<span class="meta-sep">|</span>
<span class="comments-link"><?php comments_popup_link( __( 'Leave a comment', 'twentyten' ), __( '1 Comment', 'twentyten' ), __( 'Edit', 'twentyten' ), '<span class="meta-sep">|</span> <span class="edit-link">' );
</div><!-- .entry-utility -->
</div><!-- #post-## -->
```

- This is inside loop.php

```

/* =Asides
----- */

.home #content .format-aside p,
.home #content .category-asides p {
    font-size: 14px;
    line-height: 20px;
    margin-bottom: 10px;
    margin-top: 0;
}
.home .hentry.format-aside,
.home .hentry.category-asides {
    padding: 0;
}
.home #content .format-aside .entry-content,
.home #content .category-asides .entry-content {
    padding-top: 0;
}

/* =Gallery listing
----- */

.format-gallery .size-thumbnail img.

```

- Style.css

## WARNINGS ABOUT POST FORMATS

Unlike template files, which are unique to a theme, post formats are tied to posts inside of WordPress, so changing themes does not remove a post format.

That means, if the new theme has styling and structure for that post format, then your posts will display very differently|

Also, while the 9 post formats are meant to be generic types of content, people are free to use them any way they want. So while you designate a post as an aside and style it with your vision of an aside, a different theme may think of asides in a completely different way and style accordingly.

0813 Custom Post Templates.mp4

## CAN YOU HAVE CUSTOM POST TEMPLATES?

Yes, but it's not part of the WordPress core, the way Page Templates are.

You have a couple of options:

1. Use a plugin ( Single Post Templates, Custom Post Template )

2. Use functions.php to create a post template hierarchy

But it depends on what you're trying to do...

### THINK ABOUT YOUR GOAL

Are you simply looking to change the style of a post or the structure of its web page?

Does the user need to be able to choose?

Are you trying to change all posts in a category or must it be category-independent?

How future-proof do you want your method to be?

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```

 * Single template function which will choose our template
 */
function my_single_template($single) {
    global $wp_query, $post;

    /**
     * Checks for single template by ID
    */
    if(file_exists(SINGLE_PATH . '/single-' . $post->ID . '.php'))
        return SINGLE_PATH . '/single-' . $post->ID . '.php';

    /**
     * Checks for single template by category
     * Check by category slug and ID
    */
    foreach((array) get_the_category() as $cat) :

        if(file_exists(SINGLE_PATH . '/single-cat-' . $cat->slug . '.php'))
            return SINGLE_PATH . '/single-cat-' . $cat->slug . '.php';

        elseif(file_exists(SINGLE_PATH . '/single-cat-' . $cat->term_id . '.php'))
            return SINGLE_PATH . '/single-cat-' . $cat->term_id . '.php';

    endforeach;

    return $single;
}

```

- This is inside functions.php

```

</div><!-- #post-# -->

<?php } elseif (in_category(4) || in_category(7) || in_category(8)) { // If Single Post is in Category 4, 7 or 8
    locate_template( array( 'single/posts-exhibits.php' ), true );
} elseif (in_category(5)) { // If Single Post is in Category 5 Artists, then output differently
    locate_template( array( 'single/posts-artists.php' ), true );
} else { ?>

<div id="post-php the_ID(); ?&gt;" &lt;?php post_class(); ?&gt;&gt;
    &lt;h1 class="entry-title"&gt;&lt;?php the_title(); ?&gt;&lt;/h1&gt;

    &lt;div class="entry-meta"&gt;
        &lt;?php twentyten_posted_on(); ?&gt;
    &lt;/div&gt;&lt;!-- .entry-meta --&gt;
</pre

```

## KEEPING IT ALL STRAIGHT

### Post Formats

- user-chosen
- does not allow control over whole web page
- category independent
- WP determines the 9 format types, which may be treated differently in different themes

### Custom Post Templates (plugins)

- user-chosen
- category independent
- controls entire web page

### Template Hierarchy

WP support for custom post types (single-book.php)  
custom hierarchy files can be category independent (single-23.php)

### Post Conditionals

- work within the single.php file
- can be category independent

### Plain CSS

WP automatically creates css classes for individual posts

## 0814 Custom Fields.mp4

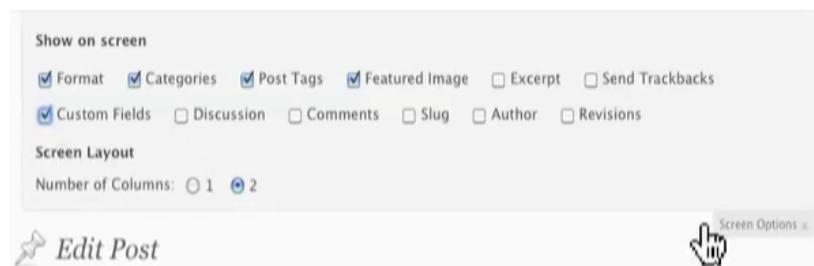
### WHAT ARE CUSTOM FIELDS?

Additional fields for posts or pages

Not only can users add existing fields to a post or page,  
they could even create new fields

(but without the necessary coding in the theme templates,  
those created fields wouldn't be displayed anywhere)

Custom Field box is hidden by default



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**Custom Fields**

Name	Value
Add New Custom Field:	
Name	Value
<input type="text"/>	<input type="text"/>
<b>Add Custom Field</b>	

Custom fields can be used to add extra metadata to a post that you can [use in your theme](#).

#### USES FOR CUSTOM FIELDS

##### Displaying Data

- data that needs special styling (a price, a quote)
- data that needs special positioning (before or after content, display as a table)
- inserting data that has special code (Google maps, PayPal button)

##### Triggering Actions

- display or not display something (hide post meta data)
- bring in certain content (the id for another artist's post)

#### WORKING WITH CUSTOM FIELDS

Stored in the WP database as a key - value pair.

Key is the name of the element ( Currently Reading )

Value is the actual information ( Treasure Island )

NOTE: you can use the same key or name over and over, with different values in each

Two ways to call Custom Fields within the Loop:

```
<?php the_meta(); ?>
```

Returns all Custom Fields, both the keys and the values as an unordered list with classes

```
<?php $thisArtistName = get_post_meta($post->ID,'artist-name',true); ?>
```

Returns only the value of a Custom Field who's key is "artist-name"

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```

artist-page.php (no symbol selected)
<?php
$thisArtistStatement = get_post_meta($post->ID, 'artist-statement', true);
?>

<h1 class="entry-title"><?php the_title(); ?></h1>

<div id="artist-sidebar">
<?php
if ( has_post_thumbnail() ) : ?>
<div class="photo"><?php the_post_thumbnail(); ?></div>
<?php else :
// the current post lacks a thumbnail
endif;
?>

<?php if ( !empty($thisArtistStatement) ) : ?>

<h2>Artist's Statement</h2>
<?php echo $thisArtistStatement; ?>
<p class="artist-name"><?php the_title(); ?></p>

<?php endif; ?>
</div>

<div class="artist-content"><?php the_content(); ?></div>

```

### Richard Troy Lehmann

Born in rural Northern Alberta, photographer Richard Troy Lehmann moved to Europe at the age of 19 when his love of photography and the arts began. Returning to North America in 2003, Richard now lives and works in New York City. During his first winter in Manhattan, he turned his attention to installations of statuary and architectural elements, which would later create the foundation for and main inspiration for his photographic series in the exhibition Quiet Presence.



#### Artist's Statement

"As I search for cause or reason underlying the works in Quiet Presence, I find myself reflecting on the memories of my youth. The remote, northern regions of Alberta, Canada have created a lasting impression on me and have influenced my perception of what I see. The stillness, deafening silence of nature and poignant moments of seasonal change have left

### THE PROCESS

The montage begins by first layering exposures on Forte paper and then developing them in combination with solarization: a process where

#### THE INTERFACE FOR CUSTOM FIELDS

The default WordPress interface for Custom Fields is not user-friendly.

1. Clients have to remember to drop down the menu



2. Clients have to add custom fields manually

3. There is only a text field/text area option by default (no checkboxes, etc.)

### 0815 Featured Images.mp4

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## WHAT ARE POST THUMBNAILS?

They are actually better referred to as Featured Images, which is how they're displayed on post and page admin screens.

But in template file coding, they're referred to as post thumbnails, the name of the original function.

Featured Images allow users to determine what image will be used if a theme incorporates featured images into its files.

The featured image can be changed by the user at any time.

### Featured Image

[Set featured image](#)

To Activate:

- Inside Functions.php

Make sure this is in your functions.php file to activate Post Thumbnails

```
<?php  
// Adds support for post thumbnails  
add_theme_support( 'post-thumbnails' );  
?>
```

If you're using a child theme, check if this is already done in the functions.php of the parent

• CREATING THE DEFAULT SIZE FOR the\_post\_thumbnail();

In your functions.php file, put:

```
<?php set_post_thumbnail_size( 50, 50 ); ?>  
  
This re-sizes the image to fit the width and height specified.
```

```
<?php set_post_thumbnail_size( 50, 50, true ); ?>
```

This crops the image to the width and height specified.

• If using a child theme, check if the parent has set this already - as in TwentyTen

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Even if you set the post thumbnail size in the functions.php file:

```
<?php set_post_thumbnail_size( 50, 50 ); ?>
```

You can still create other image sizes in your functions.php file:

```
<?php  
if ( function_exists( 'add_image_size' ) ):  
    add_image_size( 'category-thumb', 300, 9999 ); //300 pixels wide (and unlimited height)  
    add_image_size( 'homepage-thumb', 220, 180, true ); (cropped)  
endif;  
?>
```

And then you call these as needed within your Loops:

```
<?php the_post_thumbnail('homepage-thumb'); ?>
```

- WARNING: an add\_image\_size function only applies to images uploaded AFTER it's been created.
- PUTTING POST THUMBNAILS IN YOUR LOOPS:

```
<?php if ( has_post_thumbnail() ) : ?>  
    <?php the_post_thumbnail(); ?>  
    <?php endif; ?>  
  
<?php  
the_post_thumbnail('thumbnail');  
the_post_thumbnail('medium');  
the_post_thumbnail('large');  
?>  
    <h1 class="entry-title"><?php the_title(); ?></h1>  
  
    <div id="artist-sidebar">  
        <?php if ( has_post_thumbnail() ) : ?>  
            <div class="photo"><?php the_post_thumbnail('artist-sidebar'); ?></div>  
        <?php endif; ?>  
  
        <?php if ( !empty($thisArtistStatement) ) : ?>  
  
            <h2>Artist's Statement</h2>  
            "<?php echo $thisArtistStatement; ?>"  
            <p class="artist-name"><?php the_title(); ?></p>  
  
            <?php endif; ?>  
  
        </div>  
        <div class="artist-content"><?php the_content(); ?></div>
```

○

0816 Shortcodes.mp4

## WHAT ARE SHORTCODES?

Easy way for users to employ PHP functions in the text editor

These PHP functions can do anything:

- enclose text in special css
- create a list of posts
- make a PayPal button

[myshortcode1]

[myshortcode2 url="http://www.thedomain.com" icon="small"]

[myshortcode2]Text entered by user.[/myshortcode2]

### TWO STEPS TO CREATE A SHORTCODE

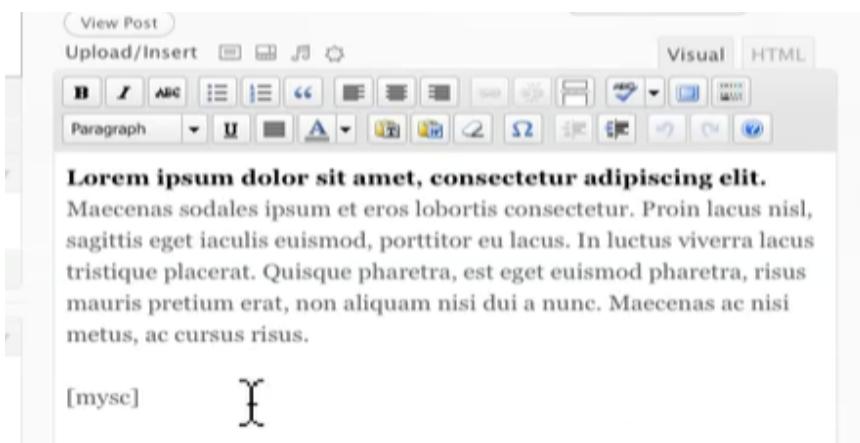
In your functions.php file:

#### 1. Write a PHP function

```
<?php  
function myShortCode () {  
    return 'This is my Short Code';  
}  
?>
```

#### 2. Hook the shortcode into WordPress

```
<?php add_shortcode( 'mysc', 'myShortCode' ); ?>
```



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**Lorem ipsum dolor sit amet, consectetur adipiscing elit.**  
et eros lobortis consectetur. Proin lacus nisl, sagittis eget  
lacus. In luctus viverra lacus tristique placerat. Quisque  
pharetra, risus mauris pretium erat, non aliquam nisi dui  
ac cursus risus.

This is my Short Code

This entry was posted in [Social Media](#). Bookmark the [permalink](#). [Edit](#)

## ADD MORE POWER TO SHORTCODES WITH ATTRIBUTES

```
<?php

function myName ( $atts, $content = null ) {
    extract ( shortcode_atts (array (
        "name" => 'George'
    ), $atts ) );
    return 'My name is ' . $name . '.';
}

add_shortcode( 'myname', 'myName' );

?>
```

### ***Lorem ipsum dolor sit amet, consectetur adipiscing elit.***

Maecenas sodales ipsum et eros lobortis consectetur. Proin lacus nisl, sagittis eget iaculis euismod, porttitor eu lacus. In luctus viverra lacus tristique placerat. Quisque pharetra, est eget euismod pharetra, risus mauris pretium erat, non aliquam nisi dui a nunc. Maecenas ac nisi metus, ac cursus risus.

[myname name="Billy Wilder"]

***Lorem ipsum dolor sit amet, consectetur adipiscing elit.***  
et eros lobortis consectetur. Proin lacus nisl, sagittis eget iaculis e  
lacus. In luctus viverra lacus tristique placerat. Quisque pharetra,  
pharetra, risus mauris pretium erat, non aliquam nisi dui a nunc.  
ac cursus risus.

My name is Billy Wilder. 

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## FLOATING TEXT BOX SHORTCODE

```
<?php  
}  
  
function wdFloatingBox ( $atts, $content = null ) {  
    extract ( shortcode_atts (array (  
        "align" => 'right',  
        "width" => '150',  
        "borderthickness" => '1',  
        "padding" => '4',  
    ), $atts ));  
    return '<div class="align' . $align . '" style="width: ' . $width . 'px; border: ' . $borderthickness .  
    '}  
add_shortcode( 'wdbox', 'wdFloatingBox' );  
  
?>
```

thickness . 'px solid; padding: ' . \$padding . 'px;">' . \$content . '</div>;

[wdbox]This is the text that I want to float over to the right of the main body so that it stands out.[/wdbox]

**Lorem ipsum dolor sit amet, consectetur adipiscing elit.** Maecenas sodales ipsum et eros lobortis consectetur. Proin lacus nisl, sagittis eget iaculis euismod, porttitor eu lacus. In luctus viverra lacus tristique placerat. Quisque pharetra, est eget euismod pharetra, risus mauris pretium erat, non aliquam nisi dui a nunc. Maecenas ac nisi metus, ac cursus risus.

This is the text that I want to float over to the right of the main body so that it stands out.



[wdbox width="250" borderthickness="6"]This is the text that I want to float over to the right of the main body so that it stands out.[/wdbox]



**Lorem ipsum dolor sit amet, consectetur adipiscing elit.** Maecenas sodales ipsum et eros lobortis consectetur. Proin lacus nisl, sagittis eget iaculis euismod, porttitor eu lacus. In luctus viverra lacus tristique placerat. Quisque pharetra, est eget euismod pharetra, risus mauris pretium erat, non aliquam nisi dui a nunc. Maecenas ac nisi metus, ac cursus risus.

This is the text that I want to float over to the right of the main body so that it stands out.

0817 Custom Taxonomies.mp4

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## CUSTOM TAXONOMIES FOR WORDPRESS:

What is a taxonomy?

A way of classifying things.

Post categories, post tags, link categories are all taxonomies

You can create Custom Taxonomies for any content type in WordPress

Not part of Custom Post Types, though typically used with them

## HOW TO CREATE CUSTOM TAXONOMIES FOR WORDPRESS:

You can code Custom Taxonomies through your functions.php file

or

You can use plugins to do the heavy lifting  
(keep in mind that these plugins are quite new and some are still in beta)

Free: Custom Post Type UI, CMS Press, More Taxonomies

Paid: Easy Custom Content Types, CustomPress

```
<?php
/**
 * Child theme Test-1
 */

add_action( 'init', 'register_all_taxonomies', 0 );

function register_all_taxonomies() {

    register_taxonomy(
        'portfolio',
        'post',
        array(
            'public' => true,
            'labels' => array(
                'name' => __( 'Portfolios' ),
                'singular_name' => __( 'Portfolio' )
            ),
        ),
    );
}

};
```

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```

functions.php : register_all_taxonomies :
<?php
/**
 * Child theme Test-1
 */
add_action( 'init', 'register_all_taxonomies', 0 );

function register_all_taxonomies() {

register_taxonomy(
    'portfolio',
    'post',
    array(
        'public' => true,
        'hierarchical' => true,
        'labels' => array(
            'name' => __( 'Portfolios' ),
            'singular_name' => __( 'Portfolio' )
        ),
    )
);
}

```

**Add New Category**

Name	Description
<input type="text"/>	The name is how it appears on your site.
Slug	Description
<input type="text"/>	The "slug" is the URL-friendly version of the name. It is usually all lowercase and contains only letters, numbers, and hyphens.
Parent	
<input type="button" value="None"/> <input checked="" type="button" value="None"/> <input type="button" value="Dentists"/> <input type="button" value="Description"/>	

+ Portfolios

All Categories    Most Used

Dentists

**Bulk Actions**

Name	Description
Dentists	

**Bulk Actions**

## 0818 Custom Post Types.mp4

CUSTOM POST TYPES FOR WORDPRESS:

Nothing to do with Posts!

Posts for blogging, Books for cataloguing.

Clients could be a post type for our test site.

HOW TO CREATE CUSTOM POST TYPES FOR WORDPRESS:

You can code Custom Post Types through your functions.php file



or

You can use plugins to do the heavy lifting  
(keep in mind that these plugins are quite new and some are still in beta)

Free: Custom Post Type UI, CMS Press, More Types

Paid: Easy Custom Content Types, CustomPress

 *Create New Custom Post Type or Taxonomy · [Reset](#)*

If you are unfamiliar with the options below only fill out the **Post Type Name** and **Label** fields and check which meta boxes to support. The other settings are set to the most common defaults for custom post types.

Post Type Name *	<input type="text" value="clients"/>	? (e.g. movies)
Label	<input type="text" value="Clients"/>	? (e.g. Movies)
Singular Label	<input type="text" value=""/>	? (e.g. Movie)
Description	<input type="text"/>	

If you are unfamiliar with the options below only fill out the **Taxonomy Name** and **Post Type Name** fields. The other settings are set to the most common defaults for custom taxonomies.

Taxonomy Name *	<input type="text"/>	? (e.g. actors)
Label	<input type="text"/>	? (e.g. Actors)
Singular Label	<input type="text"/>	? (e.g. Actor)
Attach to Post Type *	<input type="checkbox"/> Posts <input type="checkbox"/> Pages	

[Advanced Label Options](#) · [Advanced Options](#)

[Create Custom Post Type](#)      [Create Custom Taxonomy](#)

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## 0901 Adding Menus.mp4

### ADDING A WORDPRESS MENU - The Steps

1. Register a navigation area in functions.php

2. Add the navigation area to the appropriate template file using a template tag

3. Create a new menu in the WordPress Appearance -> Menu screen

4. Connect that new menu to the navigation area using the drop-down menu in Appearance -> Menu

### ADDING A WORDPRESS MENU - The Code

For functions.php

```
<?php  
register_nav_menus( array(  
    'primary' => __( 'Primary Navigation', 'twentyten' ),  
) );  
?>
```

For the template file where the menu is to appear

```
<?php wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'primary' ) ); ?>
```

 [http://codex.wordpress.org/Function\\_Reference/wp\\_nav\\_menu](http://codex.wordpress.org/Function_Reference/wp_nav_menu)

```
<div id="access" role="navigation">  
    <?php /* Allow screen readers / text browsers to skip the navigation menu and get right to the good stuff */ ?>  
    <div class="skip-link screen-reader-text"><a href="#content" title="<?php esc_attr_e( 'Skip to content', 'twentyten' ) ?>">  
        <?php /* Our navigation menu. If one isn't filled out, wp_nav_menu falls back to wp_page_menu. The menu assigned here is used when the header.php template is assigned. */ ?>  
        <?php wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'primary' ) ); ?>  
    </div><!-- #access -->  
    </div><!-- #masthead -->  
</div><!-- #header -->
```

```
// This theme uses wp_nav_menu() in one location.  
register_nav_menus( array(  
    'primary' => __( 'Primary Navigation', 'twentyten' ),  
    'footer' => __( 'Footer|Navigation', 'twentyten' ),  
) );
```

- Inside functions.php

The Footer menu has been successfully created.

**Theme Locations**

Your theme supports 2 menus. Select which menu appears in each location.

**Primary Navigation**

Top Nav

**Footer Navigation**

Footer

**Custom Links**

**Footer**

Menu Name: Footer

Automatically add new top-level pages

Delete Menu

Save Menu

Select menu items (pages, categories, links) from the boxes at left to begin building your custom menu.

Save Menu

- Create a menu on the right side
- Add the menu you created to the left side
- `<?php wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'footer' ) ); ?>`
  - add this code to the footer divs

## More Fancy Menu

```
<?php //Here's where we decide whether there should be a section sub-menu displayed, and which one|
```

```
if ( is_page('commercial-properties') || $post->post_parent == '4457' ) {
    // the page is "About", or the parent of the page is "About"
    print '<div id="sections-sub-menu">';
    wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'commercial' ) );
    print '</div>';

} elseif ( is_page('land') || $post->post_parent == '4459' ) {
    print '<div id="sections-sub-menu">';
    wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'land' ) );
    print '</div>';

} elseif ( is_page('office-space') || $post->post_parent == '4347' ) {
    print '<div id="sections-sub-menu">';
    wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'office' ) );
    print '</div>';

} elseif ( is_page('industrial-warehouse') || $post->post_parent == '4489' ) {
    print '<div id="sections-sub-menu">';
    wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'industrial' ) );
    print '</div>';

} elseif ( is_page('shopping-centers') || $post->post_parent == '4487' ) {
    print '<div id="sections-sub-menu">';
    wp_nav_menu( array( 'container_class' => 'menu-header', 'theme_location' => 'shopping' ) );
    print '</div>';

}
```

## Adding Widgets Area

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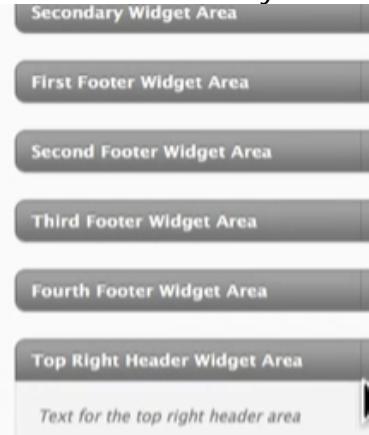
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- 2 Steps

- Register the widget area in your functions.php file

```
register_sidebar( array(  
    'name' => __( 'Top Right Header Widget Area', 'twentyten' ),  
  
    'id' => 'top-right-header-widget-area',  
  
    'description' => __( 'Text for the top right header area', 'twentyten' ),  
  
    'before_widget' => '<li id="%1$s" class="widget-container %2$s">',  
  
    'after_widget' => '</li>',  
  
    'before_title' => '<h3 class="widget-title">',  
  
    'after_title' => '</h3>',  
  
) );
```

- Copy from wordpress 2010 theme
    - Paste the code into your theme functions.php



- Place coding in your theme file where you want the widget area to appear

```
<?php if ( is_active_sidebar( 'top-right-header-widget-area' ) ) : ?>  
  
<div id="top-right" class="widget-area">  
  
    <ul class="xoxo">  
        <?php dynamic_sidebar( 'top-right-header-widget-area' ); ?>  
    </ul>  
  
</div><!-- #top right .widget-area -->  
  
<?php endif; ?>
```

- Copy Code from wordpress 2010 footer 2010 theme
    - Paste the code where you want it to show

0903 Display Thumbnails with Posts.mp4

PUTTING POST THUMBNAILS IN YOUR LOOPS:

```
<?php if ( has_post_thumbnail() ) : ?>
    <?php the_post_thumbnail(); ?>
<?php endif; ?>

<?php
the_post_thumbnail('thumbnail');
the_post_thumbnail('medium');
the_post_thumbnail('large');
?>

<?php
the_post_thumbnail('my-custom-size'); ?>

<?php if ( has_post_thumbnail() ) : ?>
    <a href=<?php the_permalink(); ?>" title=<?php the_title_attribute(); ?>" >
        <?php the_post_thumbnail(); ?>
    </a>
<?php endif; ?>

<?php
/* Child theme Test-1
 */
add_image_size( 'category-thumb', 150, 9999 ); ?>

function myShortCode () {
    return 'This is my Short Code';
}

add_shortcode( 'mysc', 'myShortCode' );

function myName ( $atts, $content = null ) {
    extract ( shortcode_atts (array (
        "name" => 'George'
    ), $atts ) );
    return 'My name is ' . $name . '.';
}
add_shortcode( 'myname', 'myName' );

function wdFloatingBox ( $atts, $content = null ) {
    extract ( shortcode_atts (array (
        "align" => 'right',

```

Example:

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```

<?php /* How to display all other posts. */ ?>

<?php else :?>
<div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>
<h2 class="entry-title"><a href=<?php the_permalink(); ?> title=<?php printf( esc_attr__( 'Permalink to %s', 'twentynineteen' ), get_the_title() ) ?></a></h2>
<div class="entry-meta">
<?php twentyten_posted_on(); ?>
</div><!-- .entry-meta -->

<?php if ( is_archive() || is_search() ) : // Only display excerpts for archives and search. ?>
<div class="entry-summary">

    <?php if ( has_post_thumbnail() ) : ?>
        <a href=<?php the_permalink(); ?> title=<?php the_title_attribute(); ?>>
            <?php the_post_thumbnail(); ?>
        </a>
    <?php endif; ?>
    <?php the_excerpt(); ?>
</div><!-- .entry-summary -->

<?php else :?>
<div class="entry-content">
    <?php the_content(__( 'Continue reading <span class="meta-nav">&rarr;</span>', 'twentynineteen' ) ); ?>

```

- ○ Inside loop.php
  - ■ Insert the argument category thumb (to use the custom size)

## 0904 Header Images by Page.mp4

```

<?php

// Check if this is a post or page, if it has a thumbnail, and if it's a big one

if ( is_singular() && current_theme_supports( 'post-thumbnails' ) &&
has_post_thumbnail( $post->ID ) &&
( /* $src, $width, $height */ $image = wp_get_attachment_image_src( get_post_thumbnail_id( $post->ID ), 'post-thu
$image[1] >= HEADER_IMAGE_WIDTH ) :

// Houston, we have a new header image!

echo get_the_post_thumbnail( $post->ID );

elseif ( get_header_image() ) :?

; ?>)

## Inside Functions.php


```

```

// The height and width of your custom header. You can hook into the theme's own filters to change these values.
// Add a filter to twentyten_header_image_width and twentyten_header_image_height to change these values.
define( 'HEADER_IMAGE_WIDTH', apply_filters( 'twentyten_header_image_width', 940 ) );
define( 'HEADER_IMAGE_HEIGHT', apply_filters( 'twentyten_header_image_height', 198 ) );

```

-

## 0905 Custom Links Page.mp4

```
<?php
/**
 * Template Name: Complete List of Links
 *
 * @package WordPress
 * @subpackage Test
 */
 *

 * @package WordPress
 * @subpackage Test
 */

get_header(); ?>

<div id="container">
    <div id="content" role="main">

        <?php if ( have_posts() ) while ( have_posts() ) : the_post(); ?>

            <div id="post-<?php the_ID(); ?>" <?php post_class(); ?>>
                <h1 class="entry-title"><?php the_title(); ?></h1>

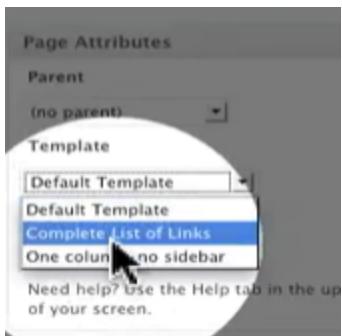
                <div class="entry-content">
                    <?php the_content(); ?>
                    <?php wp_list_bookmarks(); ?>
                </div><!-- .entry-content -->
            </div><!-- #post-## -->

        <?php endwhile; // end of the loop. ?>

    </div><!-- #content -->
</div><!-- #container -->

<?php get_sidebar(); ?>
```

- Inside page-links.php



## Links

Test that our editor work comes through

- Blogroll

- [Documentation](#)
- [Plugins](#)
- [Suggest Ideas](#)
- [Support Forum](#)
- [Themes](#)

## 0906 Theme Options Page pt 1.mp4

### THINGS TO CONSIDER BEFORE INCLUDING AN ACTION ON A THEME OPTIONS PAGE:

Could the action be handled by a widget? e.g. footer text



Should the action be theme-independent?

Could the action be handled by an existing plugin? e.g. Google Analytics

Do you want the client to be messing with design?

### BASIC STEPS FOR CREATING AND USING A THEME OPTIONS PAGE:

1. Create the options page settings and form structure



2. Hook everything into WordPress

3. Tell WordPress to retrieve those options where necessary

```
<?php //Gets our theme options in an array  
global $options;  
$options = get_option('theme_options');?>
```

4. Use the options variables in your template

```
<?php if ( $options['tagline_visibility'] == TRUE ) : print 'No tagline to display'; ?>
```

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```
◀ ▶ ⌂ theme-options.php : (no symbol selected) : |
```

```
<?php

    // Create custom settings line in the Appearance box of the Admin Menu
    add_action ('admin_menu', 'add_theme_options_page');

    function add_theme_options_page() {
        add_theme_page ('Theme Options For Test 1 Theme', 'Theme Options', 'administrator', __FILE__, 'test_theme_options_page');
    }

    // Register settings, including all of our fields
    add_action ('admin_init', 'register_and_build_fields');

    function register_and_build_fields() {
        register_setting ('theme_options', 'theme_options', 'validate_setting');
        add_settings_section ( 'main_section', 'General Options', 'main_header_setting', __FILE__ );
        add_settings_field ('twitter_account', 'Twitter Account URL:', 'twitter_account_setting', __FILE__, 'main_section', '' );
    }

    //Validate settings
    function validate_setting ($theme_options) {
        return $theme_options;
    }

    // This is where we create the fields for the options page form
    // Opening for the main section of the options page - could put HTML here, title, etc.
    function main_header_setting() {
        print '<p>This is where you can control general elements of the theme.</p>';
    }

    // Twitter Account
    function twitter_account_setting() {
        $options = get_option('theme_options');
        echo "<input name='theme_options[twitter_account]' type='text' value='{$options['twitter_account']}' />";
    }
```

```

// Now for the code that creates the actual theme options page
function test_theme_options_page() { ?>

<div class="wrap">
<div class="icon32" id="icon-tools">&nbsp;</div>
<h2>My Theme Options</h2>

<?php // This is going to display an UPDATED message when the client changes things
if( isset($_GET['settings-updated']) ) { ?>
    <div id="message" class="updated">
        <p><strong><?php _e('Settings saved.') ?></strong></p>
    </div>
<?php } ?>

<form method="post" action="options.php" enctype="multipart/form-data">
    <?php settings_fields('theme_options'); ?>
    <?php do_settings_sections(__FILE__, 'main-section'); ?>
    <p class="submit">
        <input name="Submit" type="submit" class="button-primary" value="<?php esc_attr_e('Save Changes'); ?>" />
    </p>
</form>
</div>
<?php } ?>

```

- Call this code inside functions.php

○ `require_once ( get_stylesheet_directory() . '/theme-options.php' );`

Add this to your functions.php file so that it includes the theme-options.php file

For use in a child theme

```
<?php require_once ( get_stylesheet_directory() . '/theme-options.php' ); ?>
```

For use in a theme

```
<?php require_once ( get_template_directory() . '/theme-options.php' ); ?>
```

0907 Theme Options Page pt 2.mp4

Output:

**My Theme Options**

### General Options

This is where you can control general elements of the theme.

Twitter Account URL:

**Save Changes**

0908 Theme Options Page pt 3.mp4

Create Theme options to remove tagline

Make Changes into tag-themes-options.php

```
// Register settings, including all of our fields
add_action ('admin_init', 'register_and_build_fields');
function register_and_build_fields() {
    register_setting ('theme_options', 'theme_options', 'validate_setting');
    add_settings_section ( 'main_section', 'General Options', 'main_header_setting', __FILE__ );
    add_settings_field ('twitter_account', 'Twitter Account URL:', 'twitter_account_setting', __FILE__, 'main_section', '' );
    add_settings_field ('tagline_visibility', 'Tagline Visibility:', 'tagline_visibility_setting', __FILE__, 'main_section', '' );
}

// Tagline Visibility
function tagline_visibility_setting() {
    $options = get_option('theme_options');
    if($options['tagline_visibility']) { $checked = ' checked="checked" ';}
    echo "<input". $checked ." id='tagline_visibility' name='theme_options[tagline_visibility]' type='checkbox' />";
    print '<br />If this box is checked, the Tagline will not appear in the header.';
}
```

**My Theme Options**

**Settings saved.**

### General Options

This is where you can control general elements of the theme.

Twitter Account URL:

Tagline Visibility:  If this box is checked, the Tagline will not appear in the header.

**Save Changes**

```
<?php //Gets our theme options in an array
global $options;
$options = get_option('theme_options');?>
<?php
```

```

</?php echo $heading_tag; ?>
<div id="site-description"><?php
if ( $options['tagline_visibility'] == TRUE ) :
print " "; } }
else :
bloginfo( 'description' );
endif;
?></div>

```

- Inside header.php

## 0909 Product or Course Listings.mp4

**Family Theatre Series**

The Hobbit  
The Big Sneeze  
Cinderella  
Rumpelstiltskin  
The Birth of the C.P.R.

**Other Events**

Hana's Suitcase



**Kaleidoscope Performing Arts Studio**

KPAS Home page  
KPAS 2010-2011 Brochure

**Senior Advanced Acting**

This course is a pre-requisite for those students planning to enter the Master Class program. Students will be challenged as they build their acting vocabulary, both physical and emotional. Work will continue with monologue presentation, play analysis, character back-story, and scene work from Shakespeare. Our year end showcase will provide our students with important stage presentation experience.

**Course Info:** Ages 12 - 15 | Thursday: 7:00 - 9:00pm | 2nd Floor - 3130 Jutland Road

Term 1 (11 weeks) - \$350.00 | Term 2 (17 weeks) - \$530.00

**Sr. Musical Theatre**

This program is designed for young actors/singers who are continuing formal training. This class will advance the students' skills with a supportive environment in which they may develop and combine vocal, acting, and movement techniques. Participants will explore elements such as monologues, scenes, improvisation, and group songs, as well as solo musical theatre pieces.

**Course Info:** Ages 12 - 16 | Thursday: 5:30 - 7pm | 2nd Floor - 3130 Jutland Road

Term 1 (11 weeks) - \$250.00 | Term 2 (17 weeks) - \$375.00

### CREATING CUSTOM STRUCTURES (like Product or Course listings)

1. A special loop template file is created for any categories needing this formatting

2. The loop template gets all the custom field information

3. The loop template manipulates the custom field info along with any other variables

4. The loop template sets up the structure and creates the CSS selectors

Client enters main content in the usual Text Editor box

Client enters various types of information into Custom Fields

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```

<?php
/**
 * Displays courses posts that are on Thursday (Category 14) as a series of boxes
 */

get_header(); ?>

<div id="container">
    <div id="content" role="main">

        <?php
        /* Run the loop to output the page.
         * If you want to overload this in a child theme then include a file
         * called loop-page.php and that will be used instead.
         */
        get_template_part( 'loop', 'courses' );
        ?>

    </div><!-- #content -->
</div><!-- #container -->

<?php get_sidebar(); ?>
<?php get_footer(); ?>

```

- Inside category-14.php

```

<?php

// And we need some variables from the theme options page
$thisDiscountAmount = "." . $kt_kpas_discount;
$thisEarlyDiscountAmount = "." . $kt_kpas_early_discount; }

if ( have_posts() ) while ( have_posts() ) : the_post();

// Let's go and get the custom field data from this post
$thisVenue = get_post_meta($post->ID,'venue',true);
$thisAges = get_post_meta($post->ID,'course-ages',true);
$thisTime = get_post_meta($post->ID,'course-time',true);
$thisTerm1Price = get_post_meta($post->ID,'term1-price',true);
$thisTerm2Price = get_post_meta($post->ID,'term2-price',true);

// Now let's work out the various discount prices
if ($kt_display_kpas_discount == "1") :
    if ( !empty($thisTerm1Price) && !empty($thisTerm2Price) ) :
        $twoTermPrice = $thisTerm1Price + $thisTerm2Price;
        $thisDiscount = $twoTermPrice * $thisDiscountAmount;
        $twoTermDiscountPrice = $twoTermPrice - $thisDiscount;
        $twoTermDiscountPrice = number_format($twoTermDiscountPrice,2);
        $thisEarlyDiscount = $twoTermPrice * $thisEarlyDiscountAmount;
        $twoTermEarlyPrice = $twoTermPrice - $thisEarlyDiscount;
        $twoTermEarlyPrice = number_format($twoTermEarlyPrice,2);
    endif;
endif;

```

```

// Let's work out which Day of the week
$daysWeekIDs = array("11","12","13","14","15","16","17");
$thisPostCategoryIDs = wp_get_post_categories($post->ID); | } |
$commonIDs = array_intersect($thisPostCategoryIDs, $daysWeekIDs);
$thisCommonID = reset($commonIDs);
$thisCatName = get_cat_name($thisCommonID);

?>

<div id="post-<?php the_ID(); ?>" <?php post_class(course-box); ?>>

<h3><?php the_title(); ?></h3>

<div class="entry">
    <?php the_content() ?>
</div>

<div class="details">
<?php print'<span class="title">Course Info:</span> Ages ' . $thisAges . '
    &nbsp; | &nbsp; ' . $thisCatName . ':' . $thisTime . ' &nbsp; | &nbsp; ' .
    $thisVenue; ?>
</div>

<div class="pricing"><span class="regular"><?php
if ( !empty($thisTerm1Price) ) : print'Term 1 (' . $kt_kpas_term1 .' weeks) - $'
    . $thisTerm1Price; endif;
if ( !empty($thisTerm1Price) && !empty($thisTerm2Price) ) : print '&nbsp; |
    &nbsp;'; endif;
if ( !empty($thisTerm2Price) ) : print 'Term 2 (' . $kt_kpas_term2 .' weeks) - '
    . $thisTerm2Price; endif;
?>
</span>
<?php
// Only display the discounted prices if that option is set to "1" on the
Kaleidoscope Options admin page

```

```
if ($kt_display_kpas_discount == "1") :  
print '<p class="discount">Both Terms (' . $kt_kpas_discount .'% off): $' .  
$twoTermDiscountPrice . ' &nbsp; | &nbsp; Both Terms before Early Bird deadline  
(' . $kt_kpas_early_discount . '% off): $' . $twoTermEarlyPrice . '</p>';  
endif;  
?>  
</div>  
  
</div> <?php // End of course box ?>  
  
<?php  
endwhile;  
endif; // end of the loop.  
?>
```

## Notes How to Convert HTML to Wordpress

1. Install wordpress
  2. Change permalinks settings
  3. Delete Default Pages and Post
  4. Create new Pages and Post
  5. Move all pix (make sure pictures paths are correct in style.css)
  6. Edit style.css, header.php, sidebar.php, footer.php, and page.php
  7. Delete style.css content
    - a. Style.css - Change Theme name, URI, Description, Version, and Author
    - b. Replace - screenshot.png
  8. Edit - header.php
    - a. delete header.php inline CSS
    - b. delete specific body class
    - c. delete all div
  9. Link external style.css file
    - a. <link rel="stylesheet" type="text/css" href="php bloginfo('template\_url'); ?&gt;style.css" /&gt;</li
  10. Delete Entire Sidebar.php content except comments (edit comments as you may like)
  11. Delete footer.php except <?php wp\_footer(); ?>
  12. copy files from index.html to header.php, sidebar.php, footer.php, and page.php apporiatley
  13. Use default wordpress functions to automate
- <?php bloginfo ('name'); ?> --> this is wordpress default blogname  
<?php wp\_list\_pages ('include=3,5,7&title\_li='); ?> --> list all wordpress pages  
(for Main Nav, footer, or sidebar, 3,5,7 are page id, &title\_li= is to make page invisible)  
<?php wp\_list\_pages ('exclude=3,5,7&title\_li=&depth=1'); ?> --> list all pages excluding 3,5,7  
&depth=1 list only top pages  
<?php echo date('Y'); ?> grab the latest year use for copyright  
example: <li> Copyright <?php bloginfo ('name'); ?> &copy; <?php echo date('Y'); ?></li> --  
footer example  
<?php if (\$post->post\_parent);{ wp\_list\_pages ('title\_li= &depth=1 &child\_of' . \$post-  
>post\_parent);} ?>

## Version 2 convert HTML to Wordpress

1. Create a theme folder
2. Drag the style.css from mockup
3. Inside the style.css

```
/* Theme Name: Wordpress Forest
Theme URI: http://blog.themeforest.net
Description: A test theme fore the video screencast series on ThemeForest.net Version:4.0
Author: Drew Douglass Author
URI: http://dev-tips.com
Tags: boring, dull, void of life*/
```
4. create an index.php
  - a. copy and paste the index.html to index.php
5. insert screenshot.jpg or png
6. Activate the theme

7. Slowly divide the content from index.php to other files ie.. header.php and sidebar.php  
 8. To call Header: <?php get\_header(); ?>

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd>
<html xmlns="http://www.w3.org/1999/xhtml" <?php language_attributes();?>
  <head>
    <meta http-equiv="Content-Type" content='<?php bloginfo("html_type");?>; charset=<?php bloginfo("charset");?>' />
    <title><?php bloginfo('name');?></title>
    <link rel='stylesheet' href='<?php bloginfo("stylesheet_url");?>' type='text/css' media='screen' />
  </head>
  <body>
    <div id='wrap'>
      <!--Begin Header-->
      <div id='header'>
        <h1><a href='<?php echo get_option('home'); ?>/'>
          <?php bloginfo('name');?></a></h1></div> //print the blog information name
        <div class='tagline'><?php bloginfo('description');?></div> //print Tagline
        <ul id='nav'><?php wp_list_pages('title_li=');?></ul> //List all Pages title_li= blank removes pages
      </div>
    <!--End Header-->
  </div>
```

9. To Call Sidebar: <div id='sidebar'>

```
<ul>
  <?php /* Lets widgetize up in here! */
    if(!function_exists('dynamic_sidebar') || !dynamic_sidebar()) :
  ?>
    <li><?php get_search_form(); ?></li>
    <?php wp_list_pages('title_li=<h3>Pages</h3>');?>
    <li>    <h3>Archives </h3>
      <ul>      <?php wp_get_archives('type=monthly'); ?> </ul>
    </li>
    <?php wp_list_categories('title_li=<h3>Categories</h3>');?>
    <?php endif;?> </ul>
  a. </div>
```

## TAGS

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" <?php language_attributes();?>
<head>
  <title><?php bloginfo('name'); ?><?php wp_title(); ?></title> <!--first you print the title—which could be the title of a post or page, category, or date
   archive, depending on where this file is used—and then the name of the site-->
  <meta http-equiv="Content-Type" content="text/html; charset=<?php bloginfo("charset"); ?>" /> <!--For the character set, again you use the blog's setting rather
than specifying one. Like the language, the character set is specified in the wp-config.php file.-->
  <meta name="generator" content="WordPress <?php bloginfo('version'); ?>" /> <!-- counting the number of WordPress sites in the world (optional) -->
  <!-- leave this for stats -->
  <meta name="description" content='<?php bloginfo("description"); ?>' /> <!--description you entered under Settings -->
  <!-- General ("Just another WordPress blog," unless you changed it).-->
  <link rel="stylesheet" href='<?php bloginfo("stylesheet_url"); ?>' type="text/css" /> <!-- prints the URL of the current theme's stylesheet -->
  <link rel="alternate" type="application/rss+xml" title="WPS Feed" href='<?php
bloginfo('rss2_url'); ?>' /> <!--prints links to the RSS2 and Atom feeds for the site-->
  <link rel="alternate" type="application/atom+xml" title="Atom Feed" href='<?php
bloginfo('atom_url'); ?>' />
  <link rel="pingback" href='<?php bloginfo('pingback_url'); ?>' /> <!-- prints a link to your site's XML RDC file
   (http://example.com/xmlrpc.php), which allows the trackback feature to function.-->
  <?php wp_head(); ?> <!--it's a hook, which means
that it does not print anything directly, but serves as a placeholder function. Developers can add their
own code to this hook when they need to insert something—an extra stylesheet or script, for example—
to the page header. There are a few built-in functions that hook into wp-head(), mostly to call JavaScript
files. -->
</head>
```

```

<!-- post or page content, any comments or trackbacks visitors have left, and any sidebars you have defined.-->
<body <?php body_class(); ?><!--function prints a series of class names based on the content of the page being viewed-->
|   <div id="header">
|     <?php bloginfo('name'); ?></h1>
|   </div><!-- #header -->
<div id="main">
|   <?php if (have_posts()) : while (have_posts()) : the_post(); ?> <!--if/else statement: if I have posts, then while there are posts, print some information about
|   each one; otherwise print an error message.-->
|   <!--WordPress performs a database query based on the context-
|   that is, which page you're looking at—and the choices you made in Settings => Reading (regarding the
|   number of posts to display). This query is stored in the $query global variable, and the resulting
|   posts are
|   stored in $posts.-->
|   <h2 id="post <?php the_ID(); ?>" class="<?php post_class(); ?>">
|     <a href="<?php the_permalink() ?>" rel="bookmark" title="Permanent link
|       to <?php the_title_attribute(); ?>"><?php the_title(); ?></a>!<!-- the_title() calls the global $post -->
|   </h2>
|   <?php the_content("Continue reading..."); ?> <!-- the_content(); calls the global $post / continue reading allows the user use the <!--more-->
|   <?php wp_link_pages(); ?>
|   <div class="commentblock">
|     <?php comments_template(); ?>
|   </div><!--commentblock-->
|   <?php endwhile; ?>
|   <div class="navigation">
|     <div class="alignleft"><?php posts_nav_link(); ?></div><!--posts_nav_link() function provides links to older posts (and newer ones if
|     you're viewing an archive page). Note that this tag works only for posts-->
|     <div class="clear"><!-- --></div>
|   </div><!-- .navigation -->
|   <?php else: ?>
|     <h2>Not Found</h2>
|     <p>The posts you were looking for could not be found.</p>
|   <?php endif; ?>
</div><!-- #main -->
<div id="sidebar">
|   <?php if ( !dynamic_sidebar('Sidebar') ) : endif; ?>
</div><!-- #sidebar -->
<div id="footer">
|   <?php echo date('Y '); bloginfo('name'); ?></p>
</div><!-- #footer -->
<?php wp_footer(); ?>
</body>
</html>

```