
Taming Wordpress Theming with Twig & Timber

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PHP Dorset Nov 2015

Twig Users?

Audience?



CRASH COURSE



Twig

—



“The flexible, fast, and secure template engine for PHP”

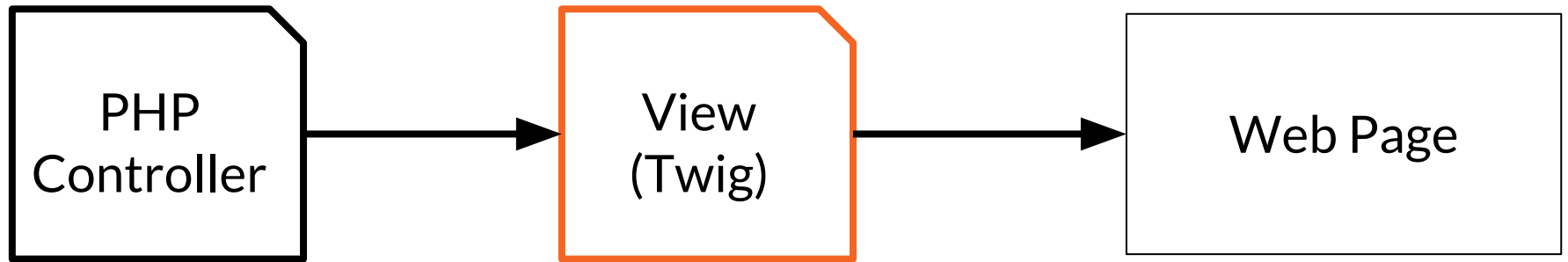
You’ve probably already used it in:

- Symphony
- Silex
- *Tons* of PHP CMSes



Twig Basics

- `{{ var }}` in your Markup, not `<?php echo var; ?>`
 - `{% if x is true %}`
 - **View inheritance**
 - **View content blocks**
 - Documentation is pretty great, similar to Silex
 - You can use templates in other things - in HandlebarsJS for example
 - You can do everything you need for the front end.
-



Twig Basics

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Webpage</title>
  </head>
  <body>
    <ul id="navigation">
      {% for item in navigation %}
        <li>
          <a href="{{ item.href }}">{{ item.caption }}</a>
        </li>
      {% endfor %}
    </ul>
    <h1>My Webpage</h1>
    {{ a_variable }}
  </body>
</html>
```

Operators

```
{% if posts and search_query.not_empty %}
```

```
    {% for post in posts %}
```

```
        {% include 'components/search-tease.twig' %}
```

```
    {% endfor %}
```

```
{% elseif search_query.not_empty == false %}
```

```
    <p>Use the form on this page to search.</p>
```

```
{% else %}
```

```
    <p>We're sorry, we couldn't find results.</p>
```

```
{% endif %}
```

Let the PHP
Controller do the
hard work and let
Twig run ifs, fors,
and other front-
end logic.

Tags

[autoescape](#)
[block](#)
[do](#)
[embed](#)
[extends](#)
[filter](#)
[flush](#)
[for](#)
[from](#)
[if](#)
[import](#)
[include](#)
[macro](#)
[sandbox](#)
[set](#)
[spaceless](#)
[use](#)
[verbatim](#)

Filters

[abs](#)
[batch](#)
[capitalize](#)
[convert_encoding](#)
[date](#)
[date_modify](#)
[default](#)
[escape](#)
[first](#)
[format](#)
[join](#)
[json_encode](#)
[keys](#)
[last](#)
[length](#)
[lower](#)
[merge](#)
[nl2br](#)
[number_format](#)
[raw](#)
[replace](#)
[reverse](#)
[round](#)
[slice](#)
[sort](#)
[split](#)
[striptags](#)
[title](#)
[trim](#)
[upper](#)
[url_encode](#)

Functions

[attribute](#)
[block](#)
[constant](#)
[cycle](#)
[date](#)
[dump](#)
[include](#)
[max](#)
[min](#)
[parent](#)
[random](#)
[range](#)
[source](#)
[template from string](#)

Tests

[constant](#)
[defined](#)
[divisibleby](#)
[empty](#)
[even](#)
[iterable](#)
[null](#)
[odd](#)
[sameas](#)

Operators

[in](#)
[is](#)
[Math](#) (+, -, /, %, //, *, **)
[Logic](#) (and, or, not, (), b-and, b-xor, b-or)
[Comparisons](#) (==, !=, <, >, >=, <=, ===, starts with, ends with, matches)
[Others](#) (.., |, ~, ., [], ?:)

<http://twig.sensiolabs.org/>



Timber

—



Oasis at Gold Spike



Downtown Events



The Perch



Oak & Ivy



Raster



BlitzPick



Bennett Surf Co.



ABC Nova



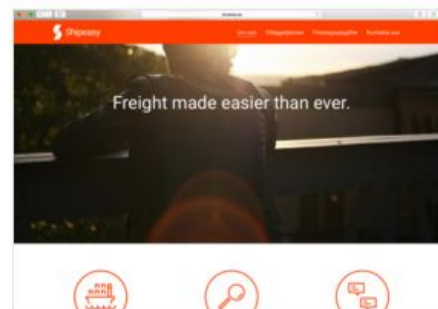
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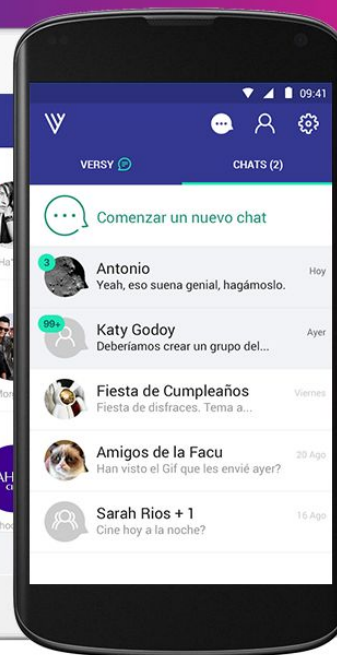
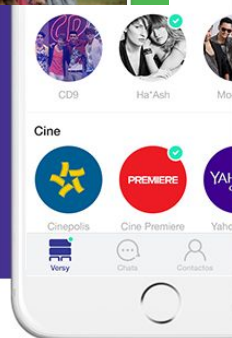
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**Wordpress has been a
mess for too long**

The cluttered default Wordpress template

```
<?php
/**
 * The main template file.
 */

get_header(); ?>

<div id="primary" class="content-area">
    <main id="main" class="site-main" role="main">
        <?php if ( have_posts() ) : ?>

            <?php while ( have_posts() ) : the_post(); ?>
                <?php
                    get_template_part( 'content', get_post_format() );
                ?>
            <?php endwhile; ?>

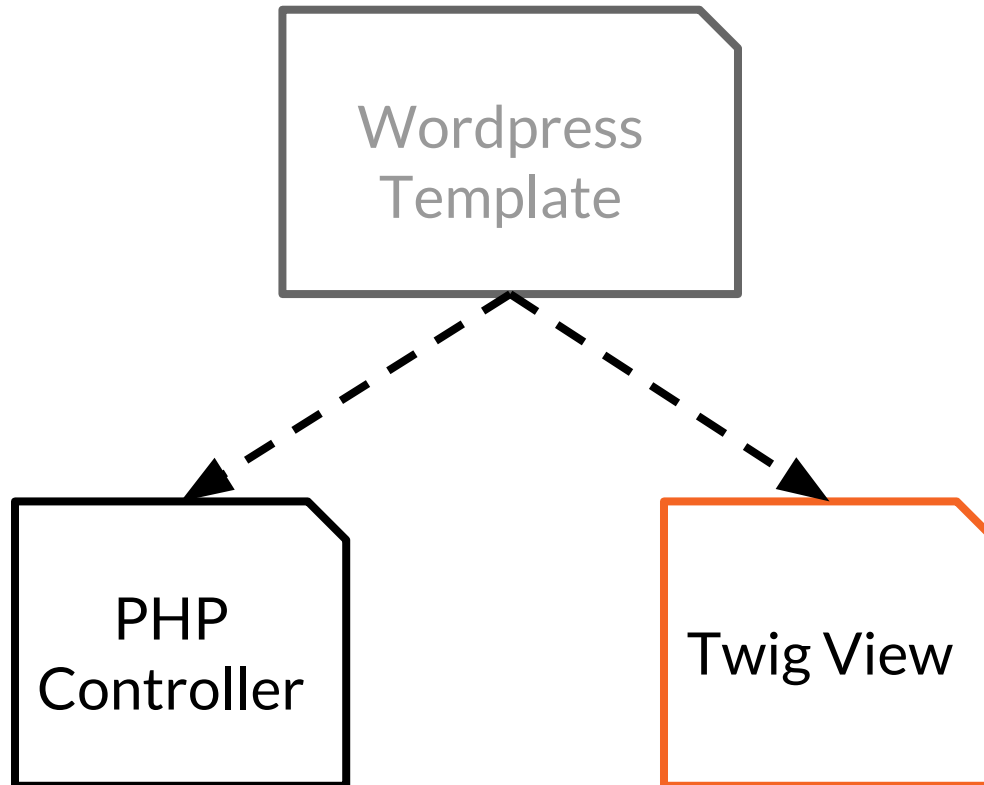
            <?php paging_nav(); ?>

        <?php else : ?>

            <?php get_template_part( 'content', 'none' ); ?>

        <?php endif; ?>
    </main><!-- #main -->
</div><!-- #primary -->
<?php get_sidebar(); ?>
<?php get_footer(); ?>
```


Let's divide



The Timber Way: Controller

```
<?php
$context = Timber::get_context();
$post = new TimberPost();

$context['posts'] = Timber::get_posts();

Timber::render('blog.twig', $context);
```

The Timber Way: View

```
{% include 'sections/header.twig' %}

<div id="primary" class="content-area">
  <main id="main" class="site-main" role="main">
    {% for post in posts %}

      {% include 'posts/content.twig' %}

    {% else %}

      {% include 'posts/no-content.twig' %}

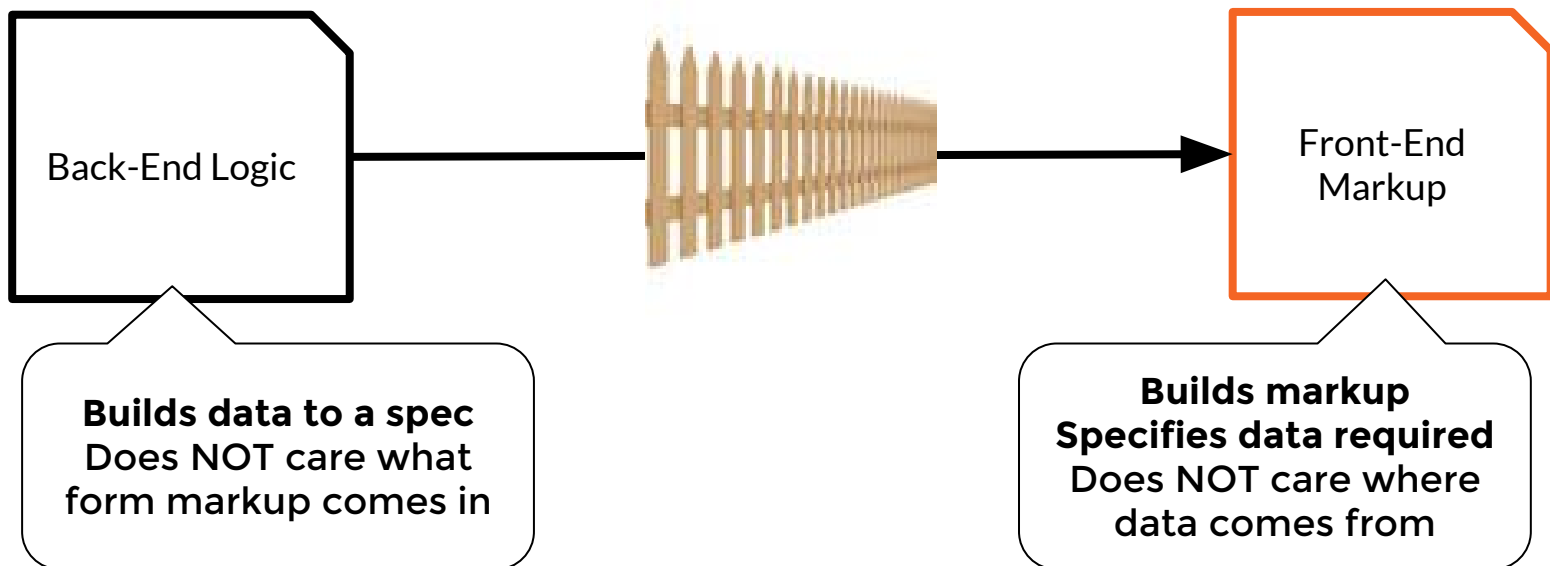
    {% endfor %}
  </main><!-- #main -->
</div><!-- #primary -->

{% include 'sections/footer.twig' %}
```

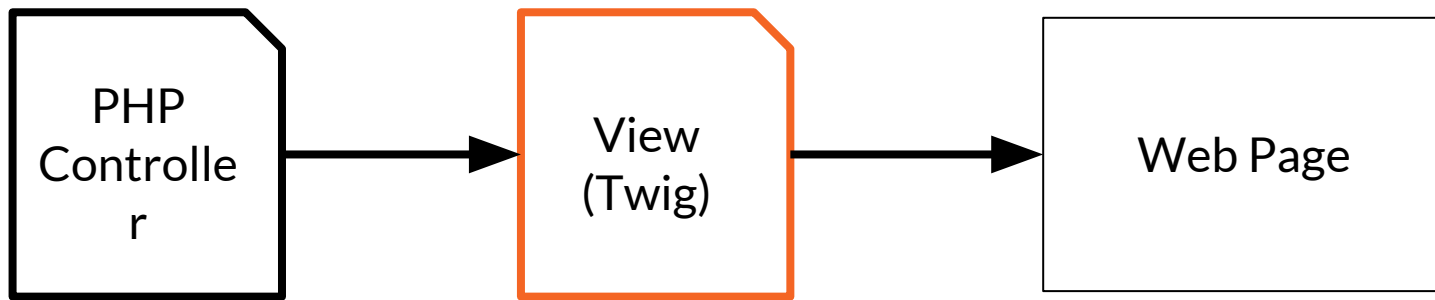
**Timber brings the
power of Twig to
Wordpress**

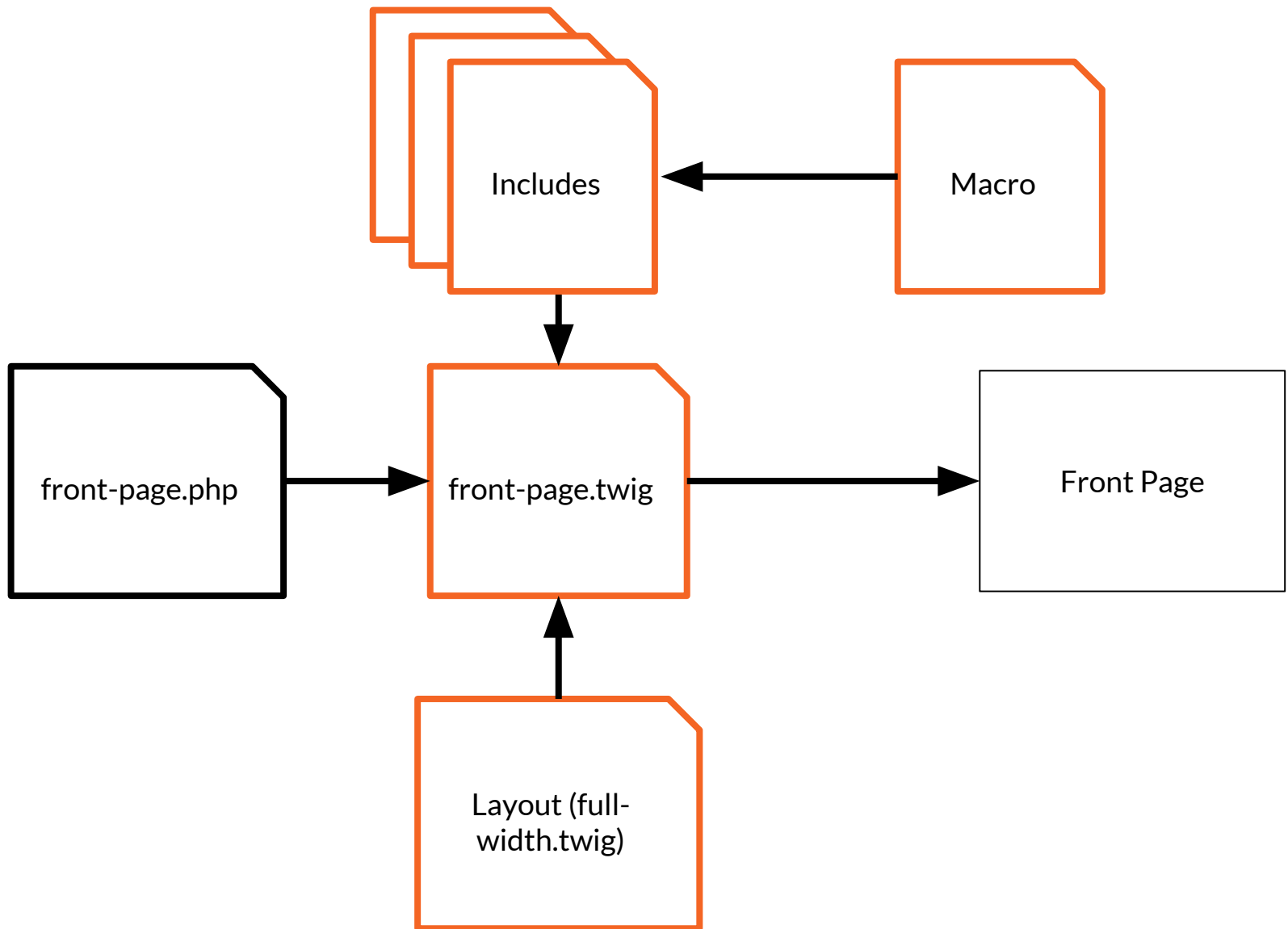
**Timber brings the
logic of Twig to
Wordpress**

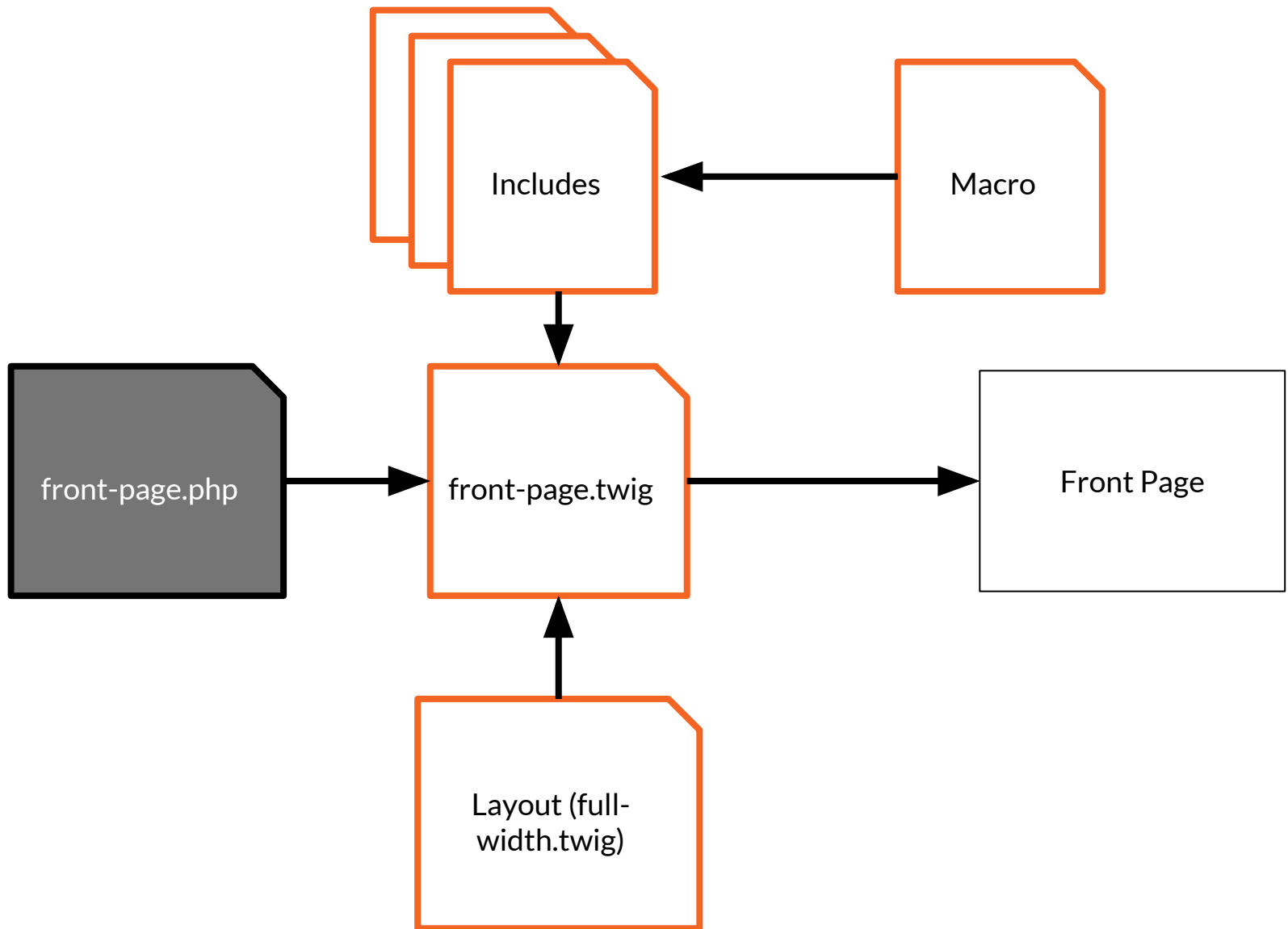
Twig brings a fence between 'Back-End' and 'Front End'



Structural Timber









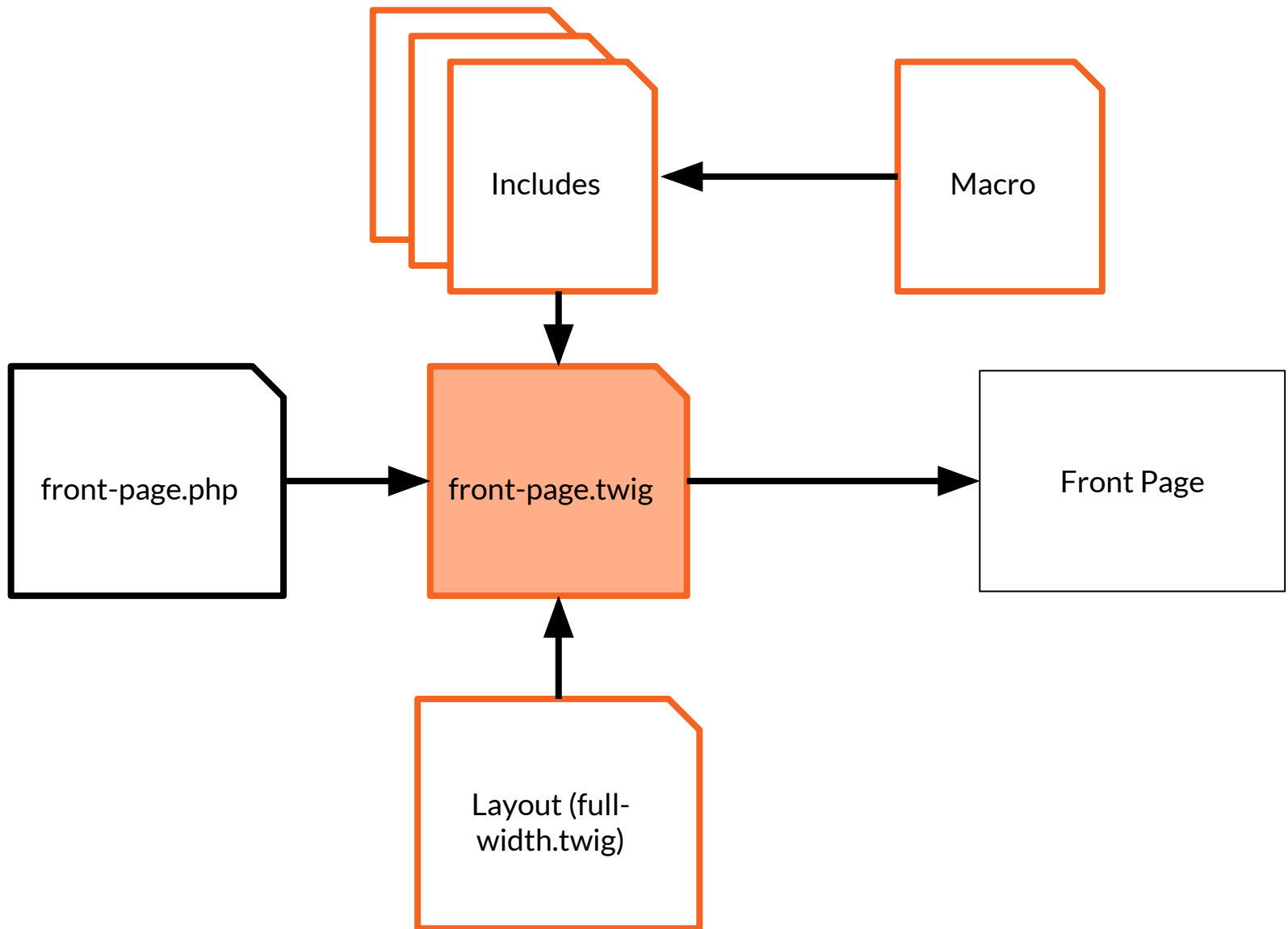
front-page.php

View Controller

```
<?php
$context = Timber::get_context();
$post = new TimberPost();

$context['post'] = $post;
$context['posts'] = Timber::get_posts();
$context['pagination'] = Timber::get_pagination();
$context['sidebar_child_tree'] = base_get_tree
($post->ID);

Timber::render( 'front-page.twig', $context );
```



View (front-page.twig)

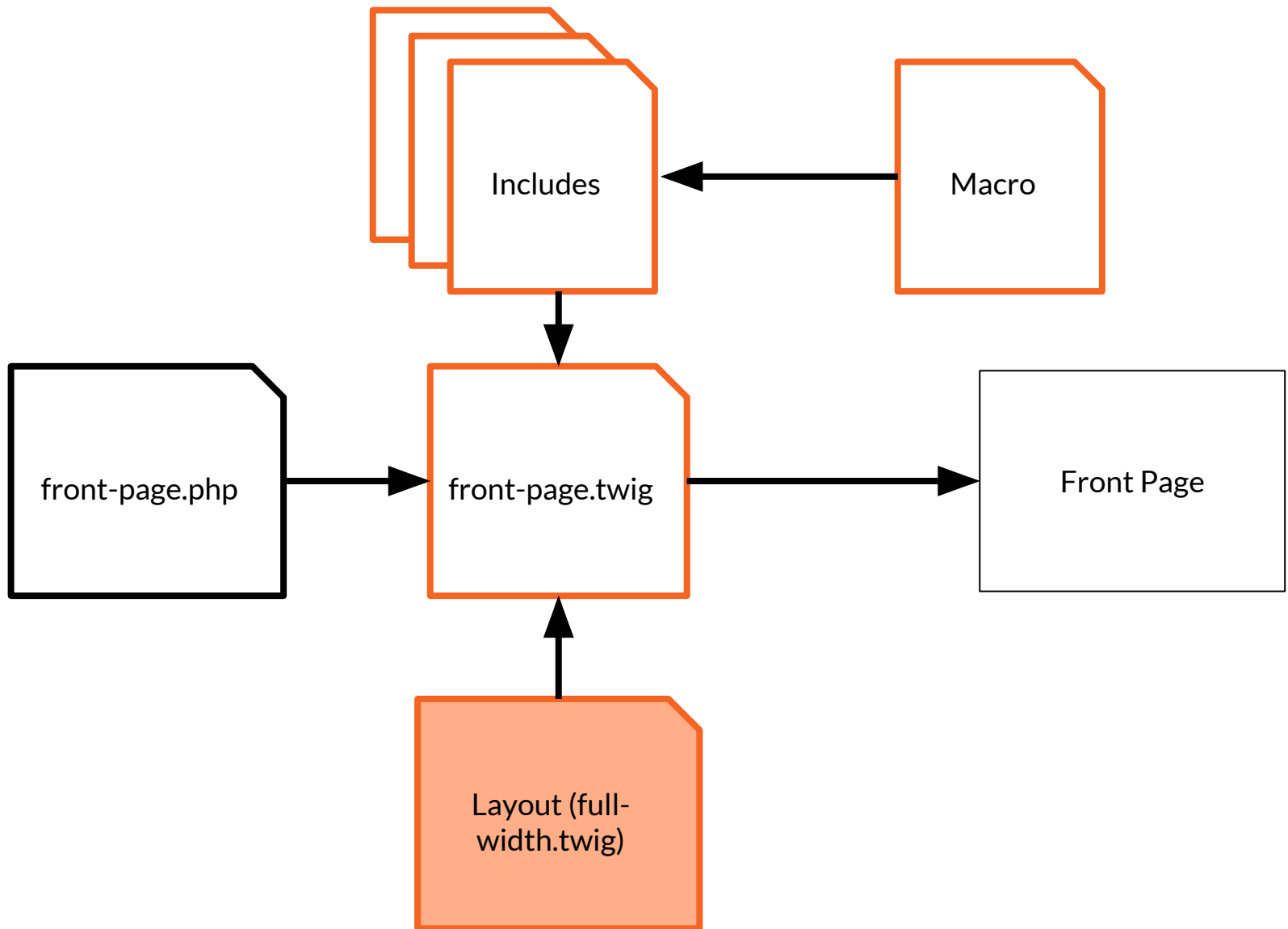
```
{% extends "layouts/full-width.twig" %}

{% block content %}
    <ul>
        {% for post in posts %}
            <li>
                <a href="{{ post.permalink }}">
                    {{ post.title }}
                </a>
            </li>
            {% else %}
                <li>Sorry, no posts matched your criteria</li>
            {% endfor %}
        </ul>
    {% endblock %}
```

View (front-page.twig)

```
{% extends "layouts/full-width.twig" %}

{% block content %}
    <ul>
        {% for post in posts %}
            <li>
                <a href="{{ post.permalink }}">
                    {{ post.title }}
                </a>
            </li>
            {% else %}
                <li>Sorry, no posts matched your criteria</li>
            {% endfor %}
        </ul>
    {% endblock %}
```





Layout

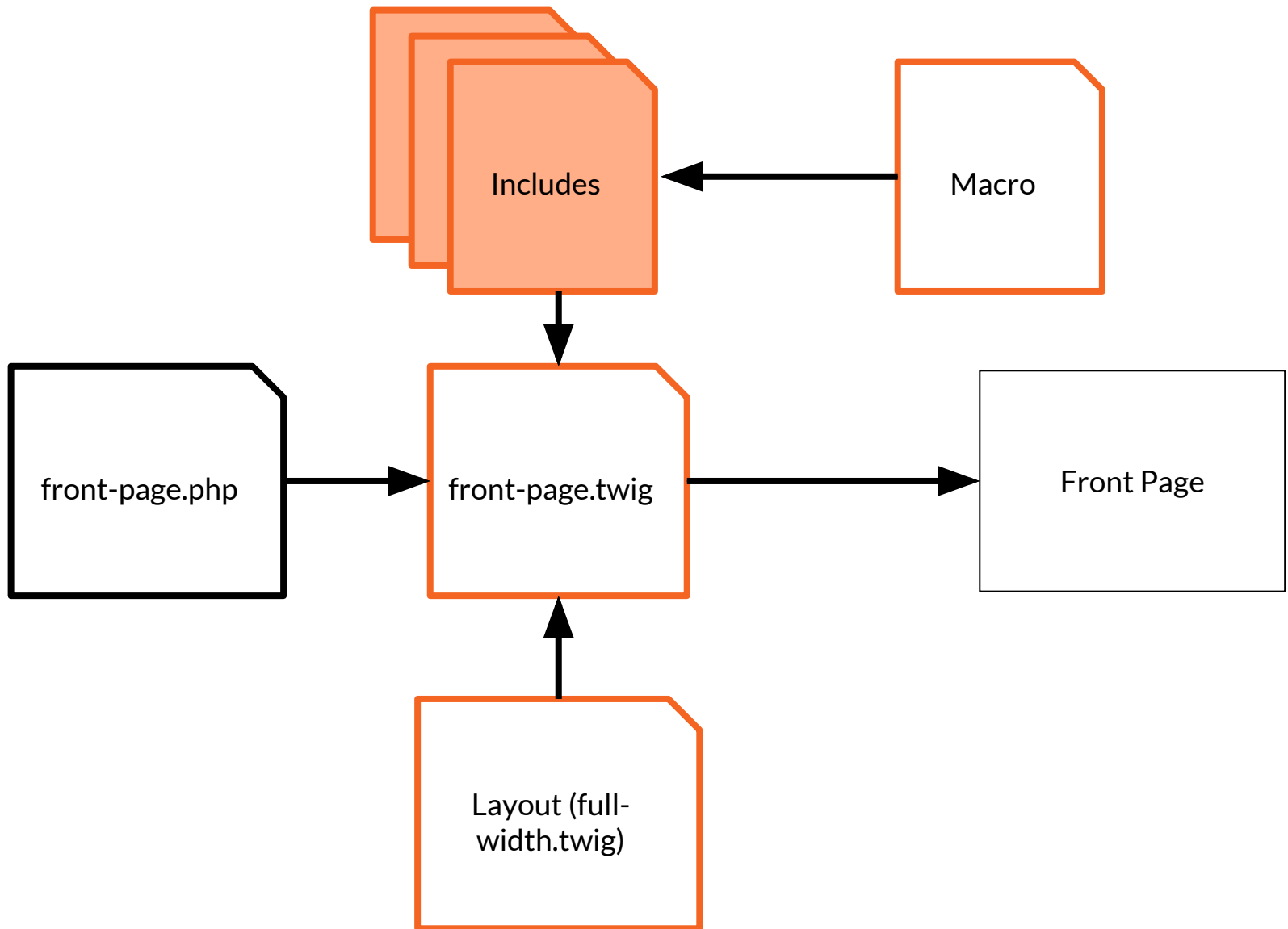
Layout (full-width.twig)

```
{% import 'macros/macro-file.twig' as util %}

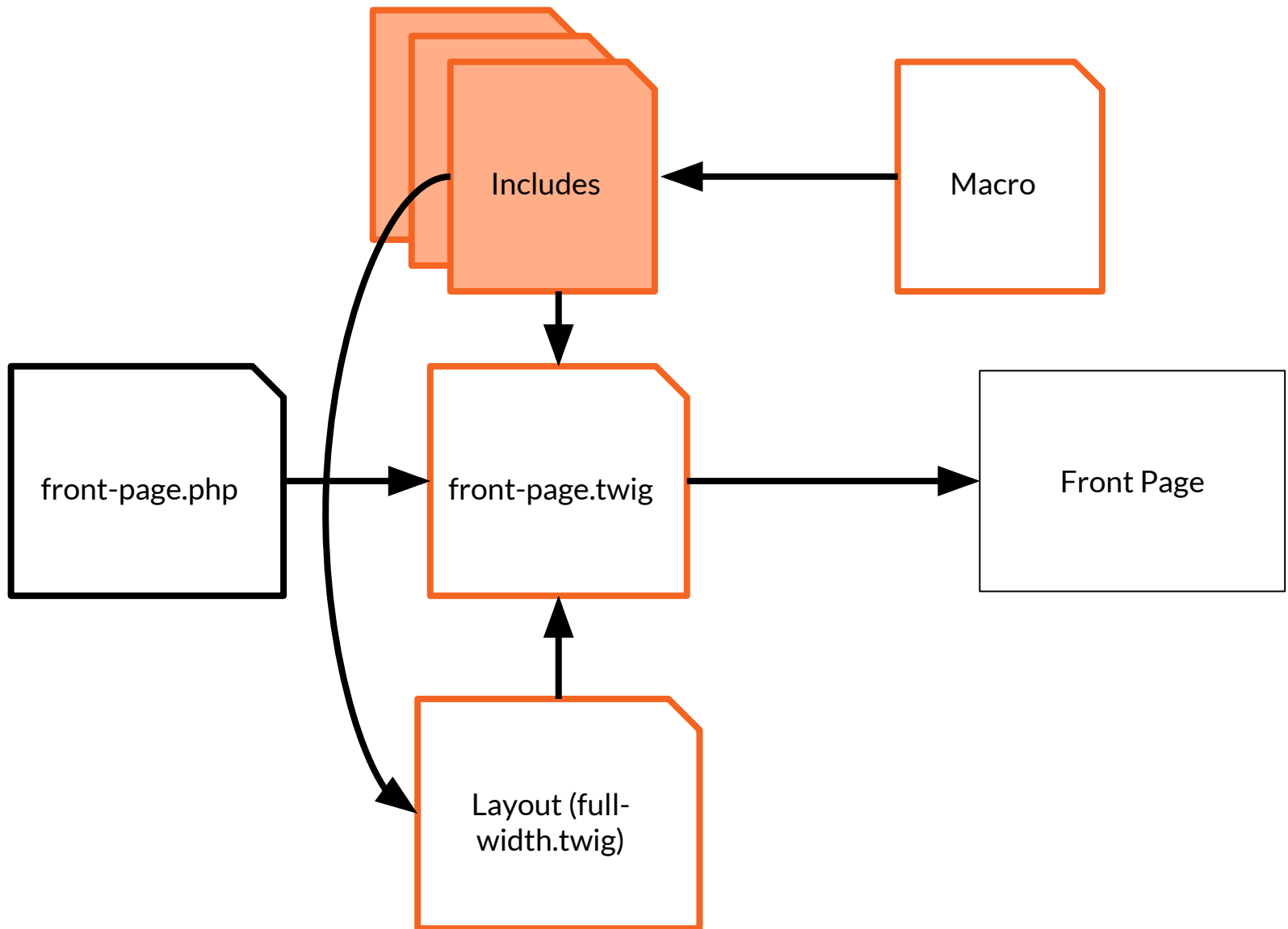
<html>
  {% include 'sections/head.twig' %}

  <body>
    <header>
      {% block header %}
        {% include 'sections/navigation.twig' %}
      {% endblock %}
    </header>

    <section>
      {% block content %}
        Sorry, no content
      {% endblock %}
    </section>
  </body>
</html>
```



Structural Timber





Includes

```
{% import 'macros/macro-file.twig' as util %}

<html>
  {% include 'sections/head.twig' %}

  <body>
    <header>
      {% block header %}
        {% include 'sections/navigation.twig' %}
      {% endblock %}
    </header>

    <section>
      {% block content %}
        Sorry, no content
      {% endblock %}
    </section>
  </body>
</html>
```

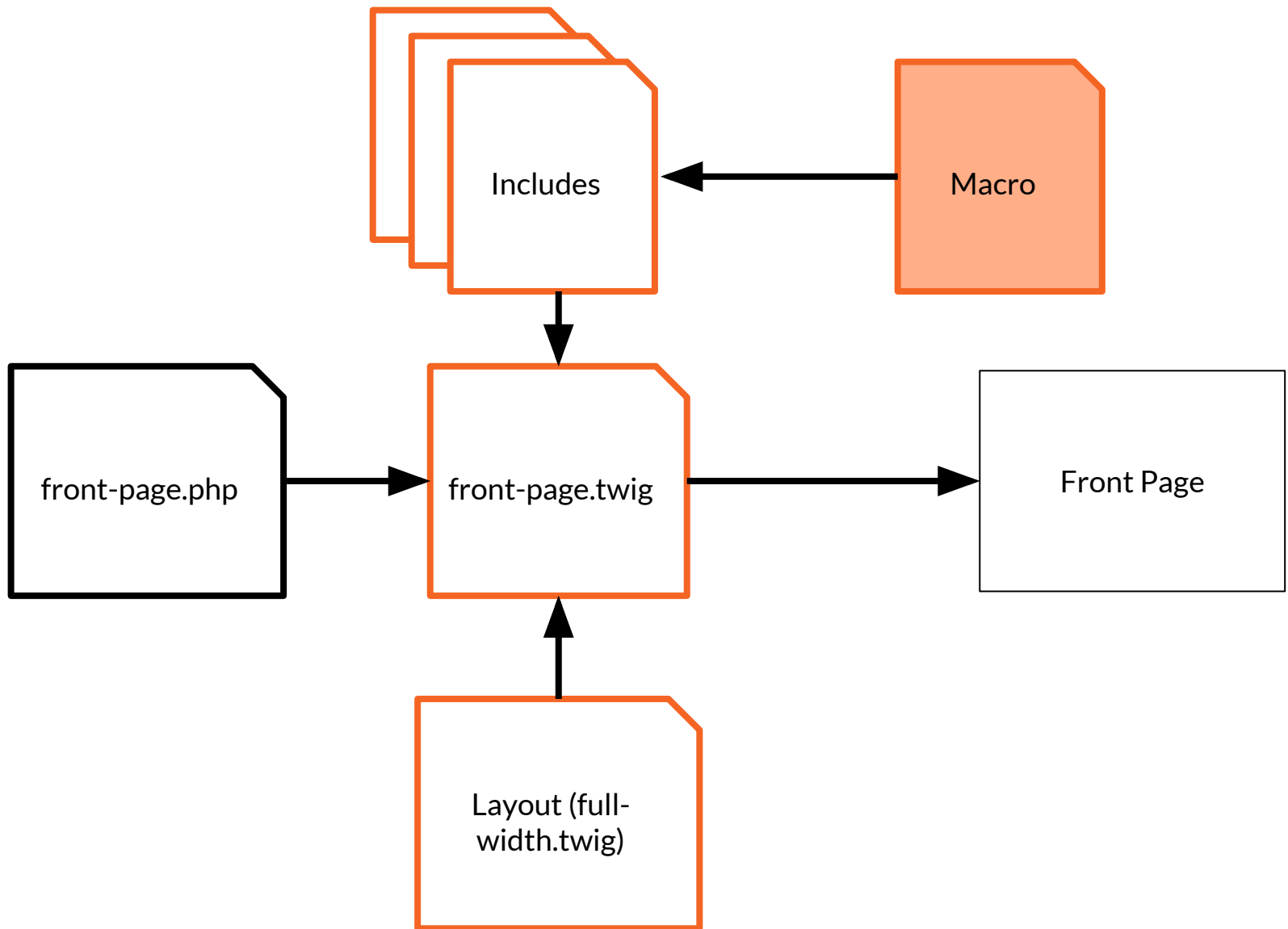
Includes

Just partials of a file, to reuse across your site.

```
{% include 'sections/footer.twig' %}
```

Or sandbox an include!

```
{%  
    include 'partials/post-teaser.twig' with { teasePost: post,  
    info: 'Look!' }  
%}
```





Macro

Macros (DRY!)

```
{% macro button(url, text, classes) %}  
  <a href="{{ url }}" class="btn {{ classes }}">  
    {{ text }}  
  </a>  
{% endmacro %}
```

```
{% import 'macros/macro-file.twig' as util %}  
...  
{{ util.button('https://wearebase.com', 'Base!',  
  'red') }}
```

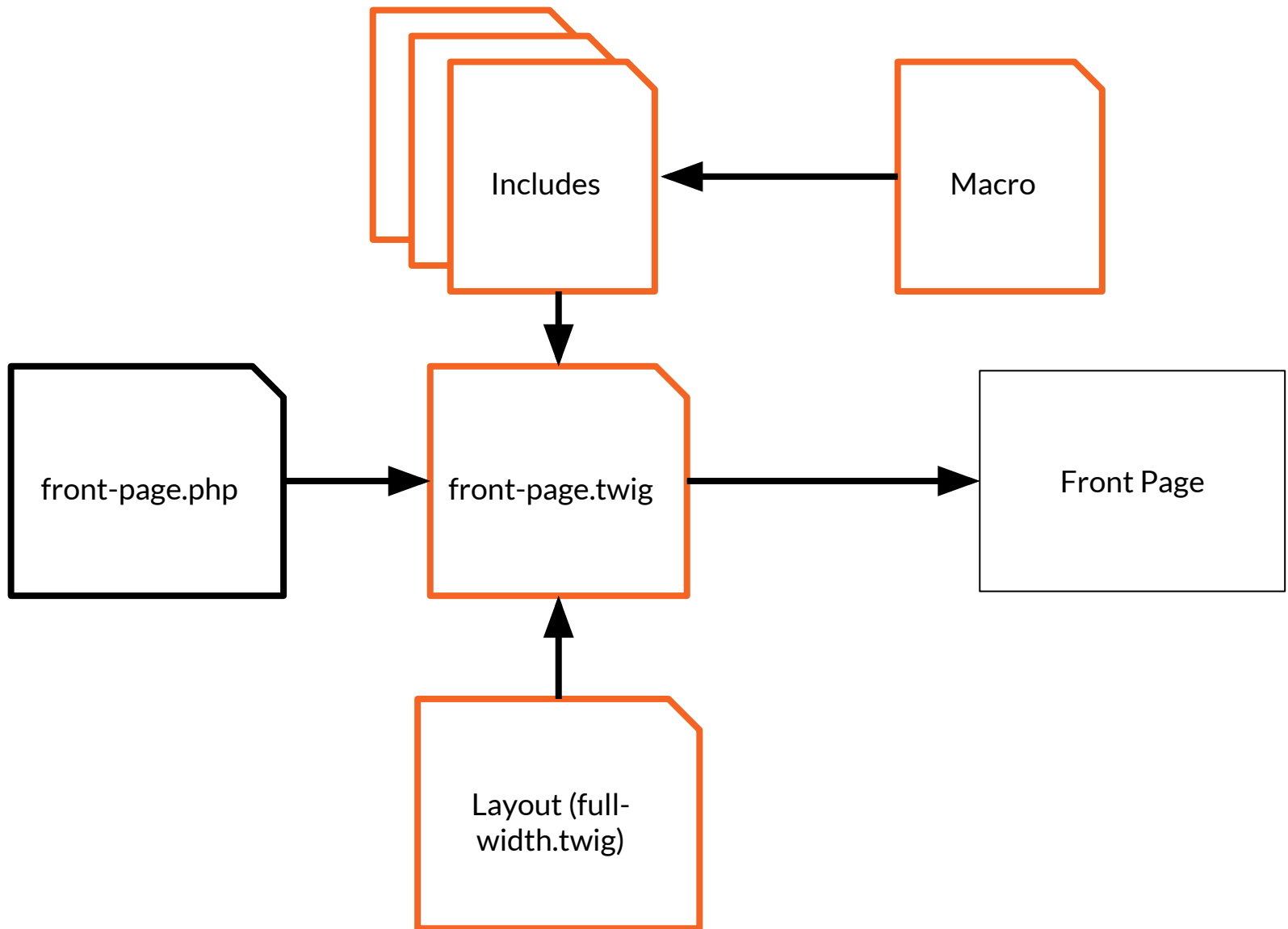


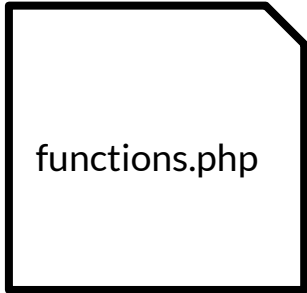
Macro

Macros (DRY!)

```
{% macro button(url, text, classes) %}  
  <a href="{{ url }}" class="btn {{ classes }}">  
    {{ text }}  
  </a>  
{% endmacro %}
```

```
{% import 'macros/macro-file.twig' as util %}  
...  
{{ util.button('https://wearebase.com', 'Base!',  
  'red') }}
```

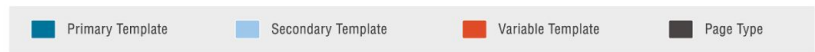
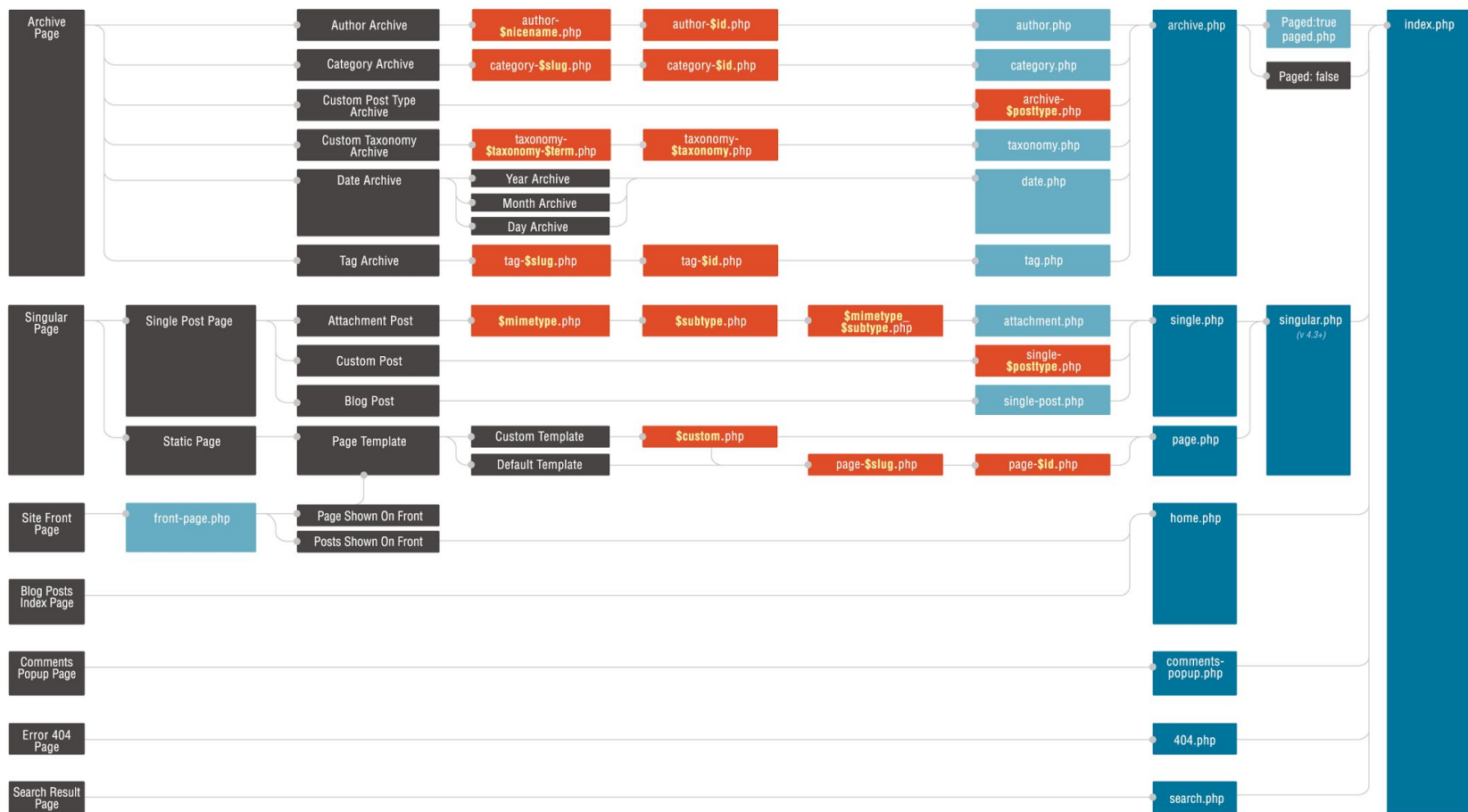




functions.php

Global context items, such as navigation.

Adding new templates



—

**Templates can
share views**

**Views can (should)
share layouts**

Key Timber Features

The WP Loop is dead...

```
<ul>
<?php $query = new WP_Query( array( 'post_type' => 'post' ) ); ?>
<?php if ( $query->have_posts() ) : ?>
    <?php while ( $query->have_posts() ) : $query->the_post(); ?>
        <li><a href="<?php the_permalink() ?>"> <?php the_title() ?>
</a></li>
        <?php endwhile; ?>
    <?php else : ?>
        <li><?php _e( 'Sorry, no posts matched your criteria.' ) ?></li>
    <?php endif; wp_reset_postdata(); ?>
</ul>
```

...long live the loop

```
<ul>
  {% for post in posts %}
    <li><a href="{{ post.permlink }}">
      {{ post.title }}
    </a></li>
  {% else %}
    <li>Sorry, no posts matched your criteria</li>
  {% endfor %}
</ul>
```

Image Thumbnails

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

```
{% if post.thumbnail %}

{% endif %}
```

Objects

- TimberPost
 - TimberImage
 - TimberMenu
 - TimberComment
 - TimberMenuItem
 - TimberSite
 - TimberTerm
 - TimberTheme
-

Timber Object

- `Timber::get_post($args);`
 - `Timber::get_posts($args);`
 - `Timber::get_pagination();`
-

Wordpress Features

Twig Shortcodes!

```
add_shortcode('youtube', 'youtube_shortcode');

function youtube_shortcode($atts) {
    if(isset($atts['id'])) {
        $id = sanitize_text_field($atts['id']);
    } else {
        $id = false;
    }
    // this time we use Timber::compile since shortcodes should
    return the code
    return Timber::compile('youtube-short.twig', array('id' =>
$id));
}
```

Advanced Custom Fields

Timber gives you ACF integration with TimberPost.

```
{{ post.acf_field_name }}
```

That's it! Done!

Plugins

- WPML (Multi Language)
- Contact Form 7

Get out of jail

```
{{ function('function_name', 'argument_1') }}
```

For when you *really* need to run a function.

```
{% set post = TimberPost(post) %}
```

For when you want to turn a normal post into a TimberPost.

Don't forget WP Functions

`{{ wp_head }}`

`{{ wp_footer }}`

**Timber is really fun
to Google...**



timber post



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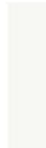
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TimberPost · jarednova/timber Wiki · GitHub

<https://github.com/jarednova/timber/wiki/TimberPost> ▼

9 Jul 2015 - This is used throughout **Timber** to represent **posts** retrieved from **WordPress**, making them available to Twig templates. When working with ...

Timber docs

Timber docs ...

Timber::get_posts(\$query = false,
\$class ...

TimberTerm

Getting Terms (with arguments). To
add arguments using the ...

[More results from github.com »](#)

Text Cookbook · jarednova/timber Wiki · GitHub

<https://github.com/jarednova/timber/wiki/Text-Cookbook> ▼

1 Sep 2015 - There's tons of stuff you can do with Twig and **Timber** filters to make complex ... Mr. **WordPress**September 28, 2013
</p> ... <p class="entry-meta"><?php _e('Posted on', 'my-text-domain') ?> ...

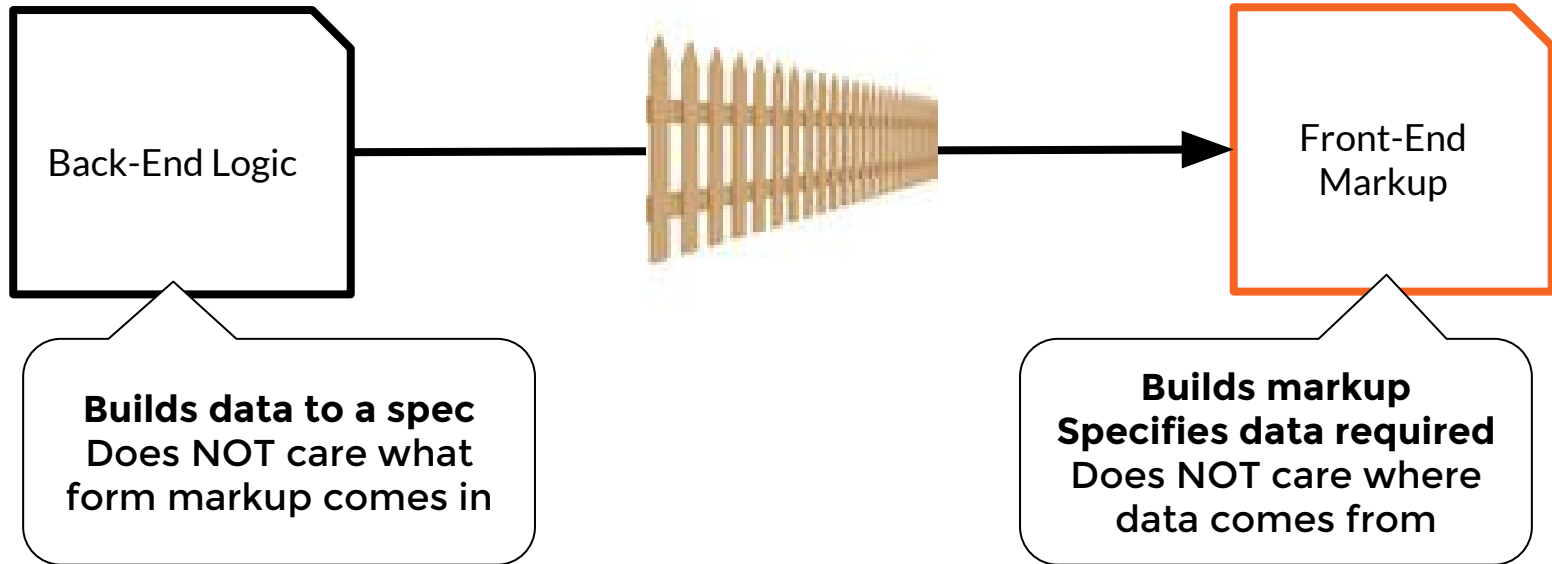
getting started · jarednova/timber Wiki · GitHub

<https://github.com/jarednova/timber/wiki/getting-started> ▼

29 Apr 2015 - wp-content/themes/{timber-starter-theme}/views/single.twig ... {
post.author.name }} • {{ **post.post_date|date** }}</p> {{**post.content**}}
</section> ... This is now how we now call stuff from the **WordPress** API.

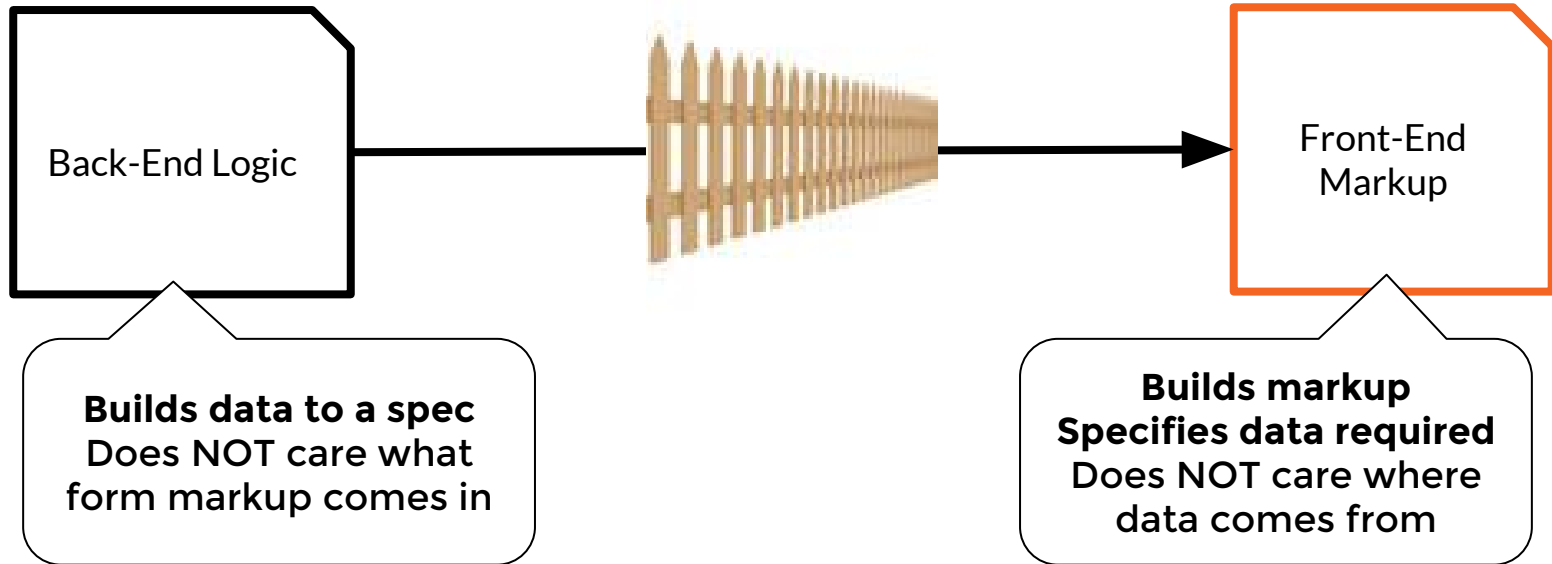
Timber Object Reference

**And the docs aren't great for
searching. But they're pretty good.**



**Timber works great
with Bedrock.**

CALLBACK!



To put it another way...

Back-End



Front-End



To put it another way...

Back-End

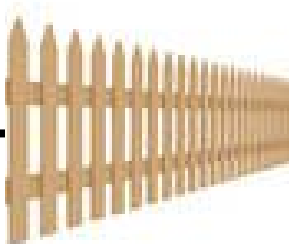
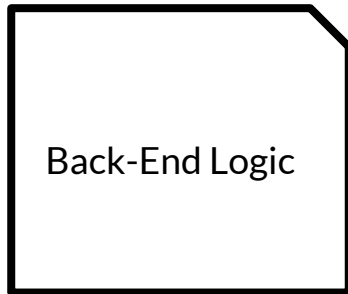
CSS, ew!



Front-End

Leave my
markup alone!





Once you use it, you'll never want to go back.



Adam Tomat
@adamtomat



Following

Jumping on an old Wordpress project that
doesn't have Timber / Twig



Extending TimberPost

What Timber means for you:

- Faster development
 - Enjoyable development
 - Wordpress is awesome again
 - Protects both parties
 - Don't Repeat Yourself!
 - Clean Code!
-

—

Home:

upstatement.com/timber/

Docs:

github.com/jarednova/timber/

Object ref:

jarednova.github.io/timber/

The best way to learn is to try it

Taming Wordpress Theming with Twig & Timber

Jonathan Ginn (@jonginn)
PHP Dorset Nov 2015
