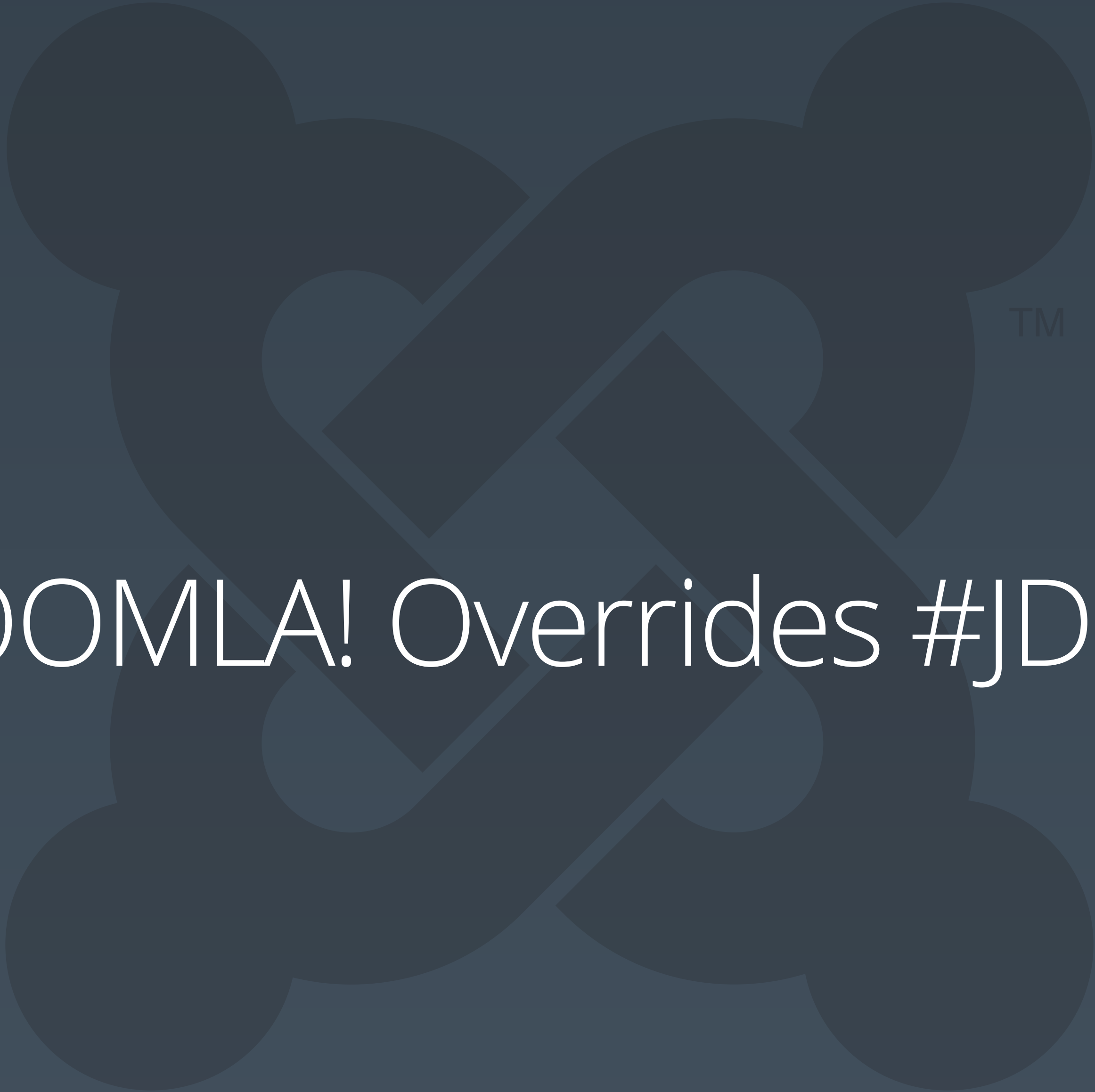




Joomla! Overrides #JD17NL

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Über mich



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Hans Kuijpers

About me



HKweb
Perfect Web Team
Joomladagen
JUG073
Joomla! & Magento

Overrides vs. Alternate layouts

Difference

- When you create a override you copy/change usually a **default.php** file in your template and override the default-output.
- Creating an alternate Layout means to create a file named by your own and putting it into your template. For example **portfolio.php**

Why do i need that?

Use cases

- Change Bootstrap 2 based output for own preferences.
- Create an individual Layout without the need of Extensions.
- Output the new Custom Fields in a nice way.

Why do i need that?

Reasons

- Stay Update-Able. Never change Joomla! core files. (Core Hacks = NOGO)
- Save Third-Party extensions and release yourself from updating them.

Why does it work?

- Works for every component, module, plugin,... that is build in the MVC principle.
- Logic and output are mostly separated, so you can define the style yourself.

Joomla! Overrides and alternate layouts



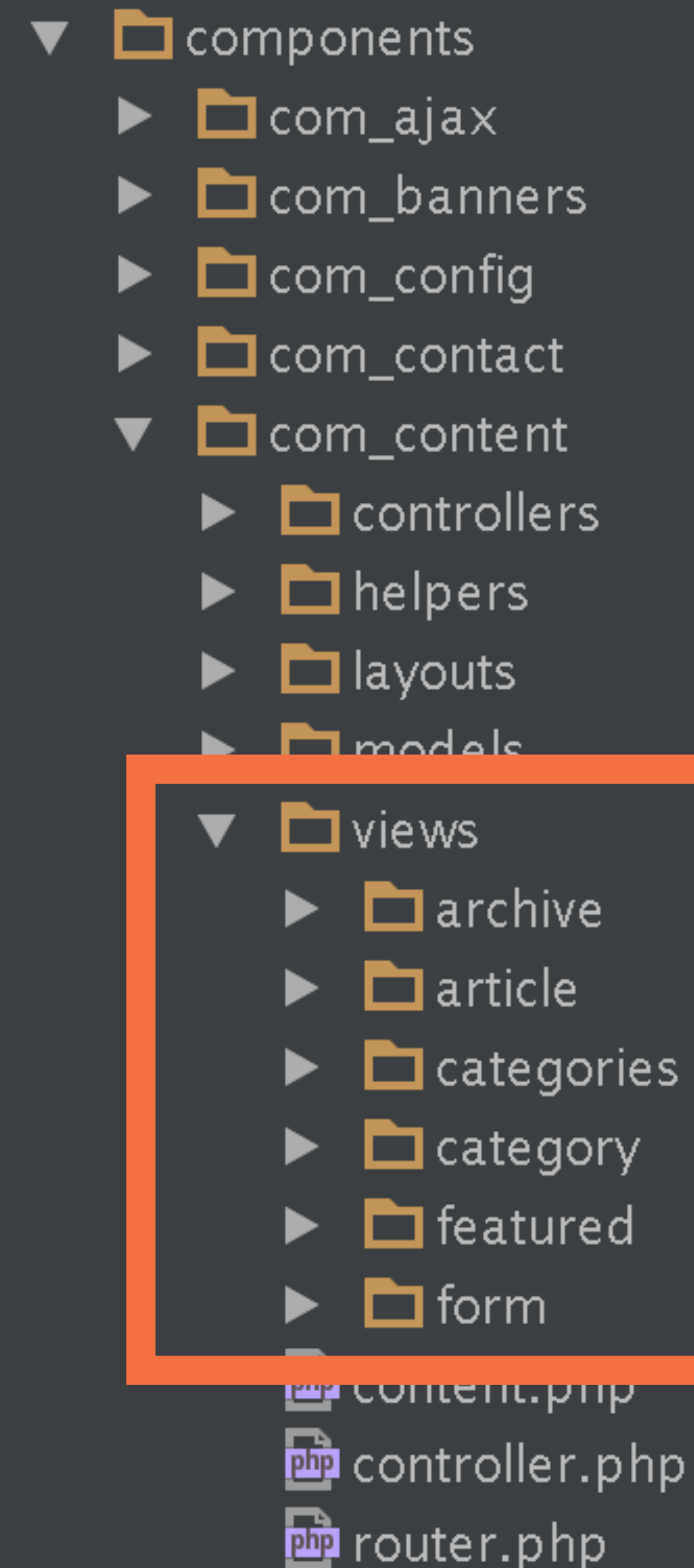
Articles
Categories
Contacts
Modules
jLayouts
Plugins
Third Party Extensions (MVC)

Where can i create
Overrides and AL ?

Joomla! Overrides and alternate layouts

Example: **com_content**

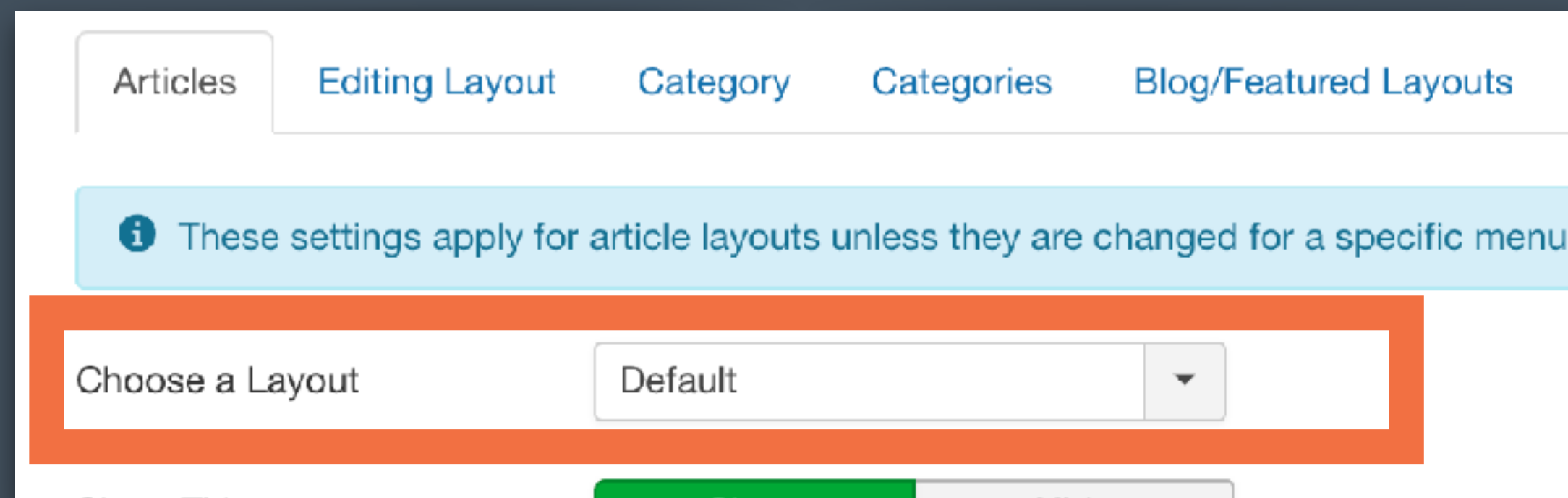
- Overrides are possible for each of these views.
- Alternate layouts are possible for:
 - Articles
 - Categories
- Alternate layouts in Connection with own **Menutypes** are possible for each view.



Joomla! Overrides and alternate layouts

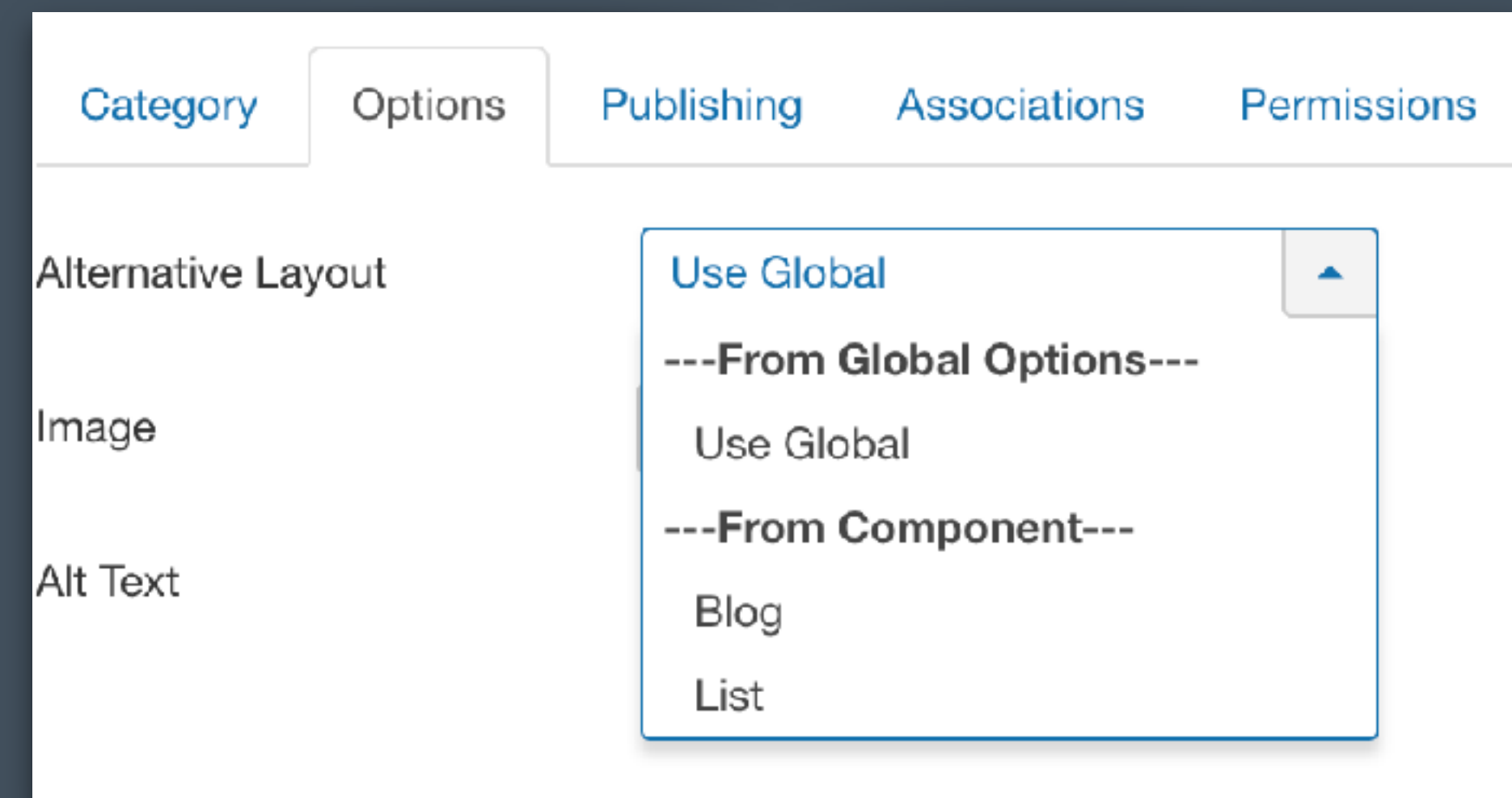
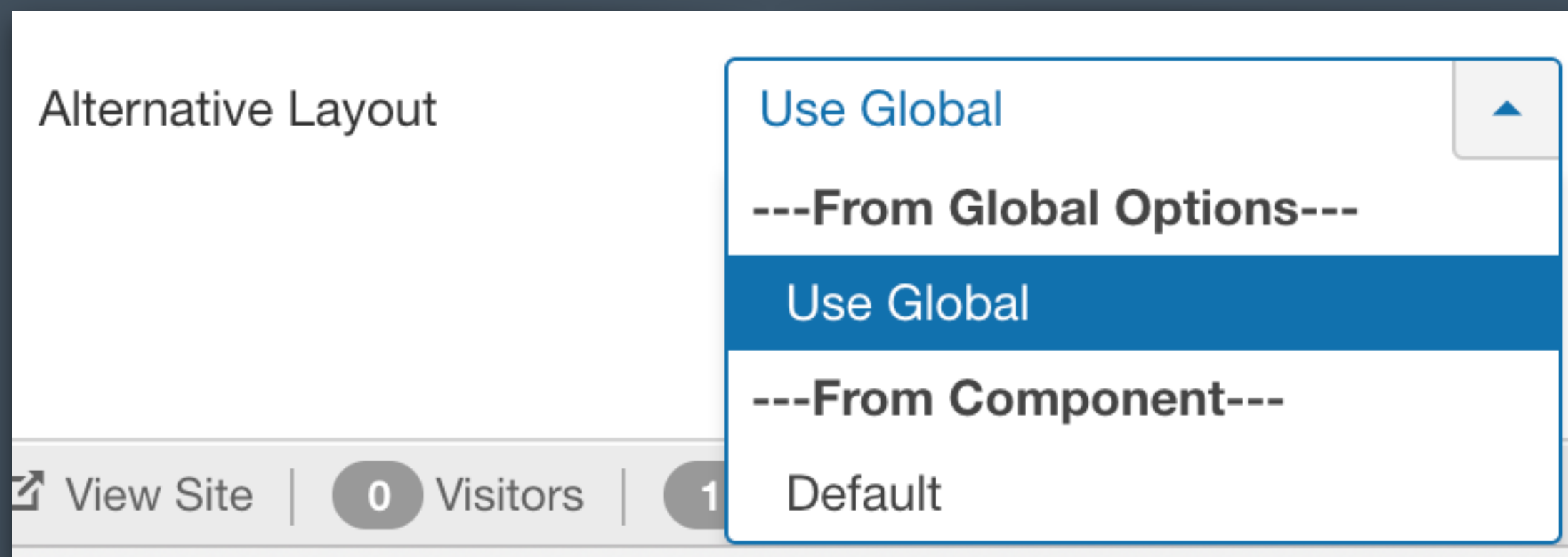
Where do i select the alternate layouts? (1)

- In the Global options / Global configuration



Where do i select the alternate layouts? (2)

- In the Article / in the Categories in the Options-Tab



Joomla! Overrides and alternate layouts

Where do i select the alternate layouts? (3)

- If a .XML File exist, the layout can be chosen in the Menutypes.
- In the own Menutype no Alternate Layout can be set as it is an Alternate Layout itself.

Menüeintragstyp

Beiträge

[Alle Kategorien auflisten](#) Zeigt eine Liste aller Beitragskategorien in einer

[Archivierte Beiträge](#) Alle archivierten Beiträge anzeigen.

[Beitrag erstellen](#) Neuen Beitrag erstellen

[Einzelner Beitrag](#) Einen einzelnen Beitrag anzeigen.

[Haupteinträge](#) Alle Haupteinträge einer Kategorie in einem Einzel- oder Mehr

[Kategorieblog](#) Zeigt in Beiträgen den Einleitungstext im Einzel- oder Mehr

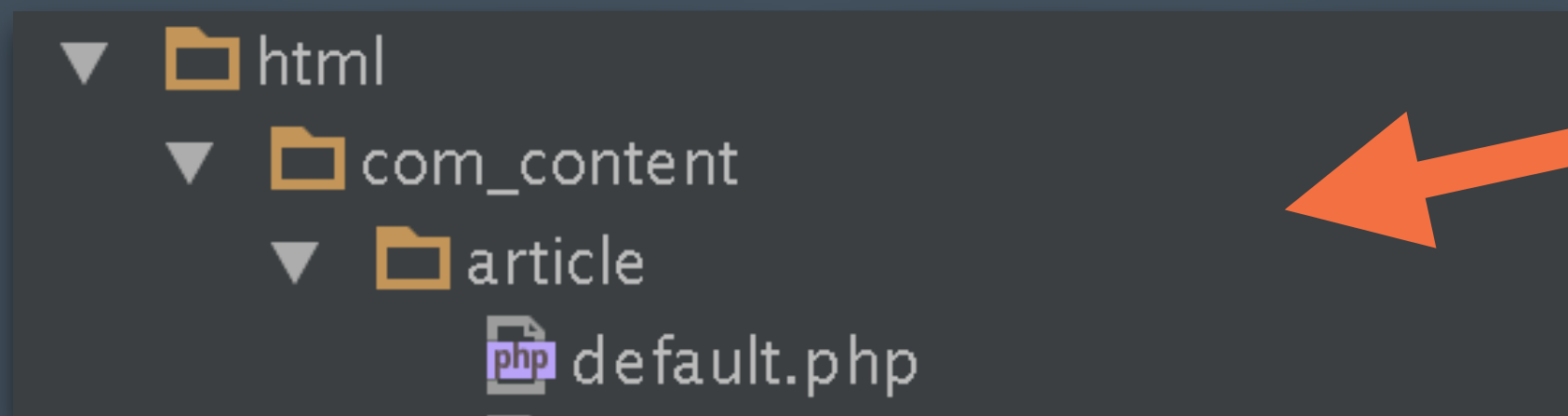
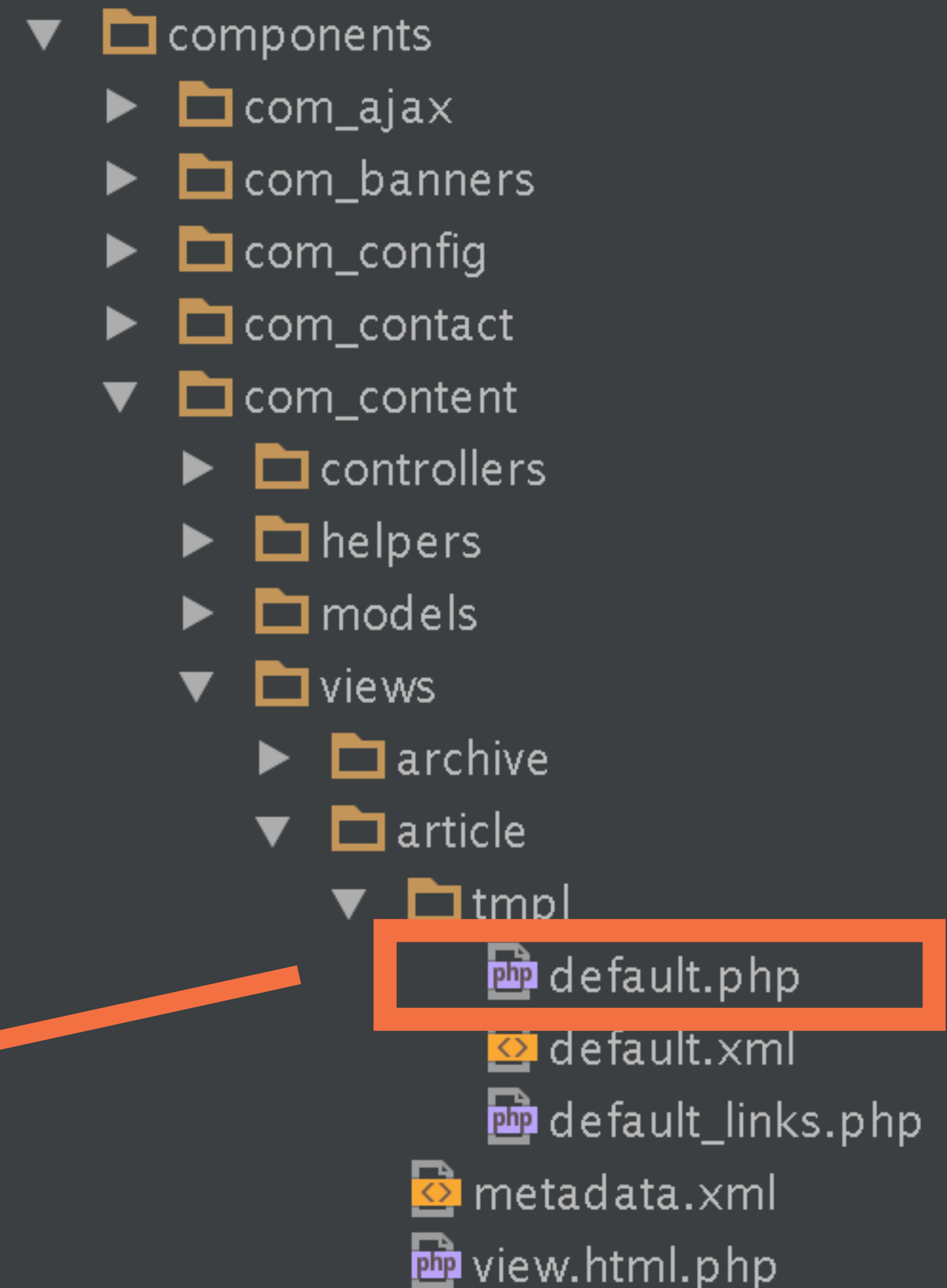
[Kategorielliste](#) Zeigt eine Liste von Beiträgen einer Kategorie an.

[Mein tolles Speziallayout](#) Einen einzelnen Beitrag anzeigen.

Joomla! Overrides and alternate layouts

How do i create an override?

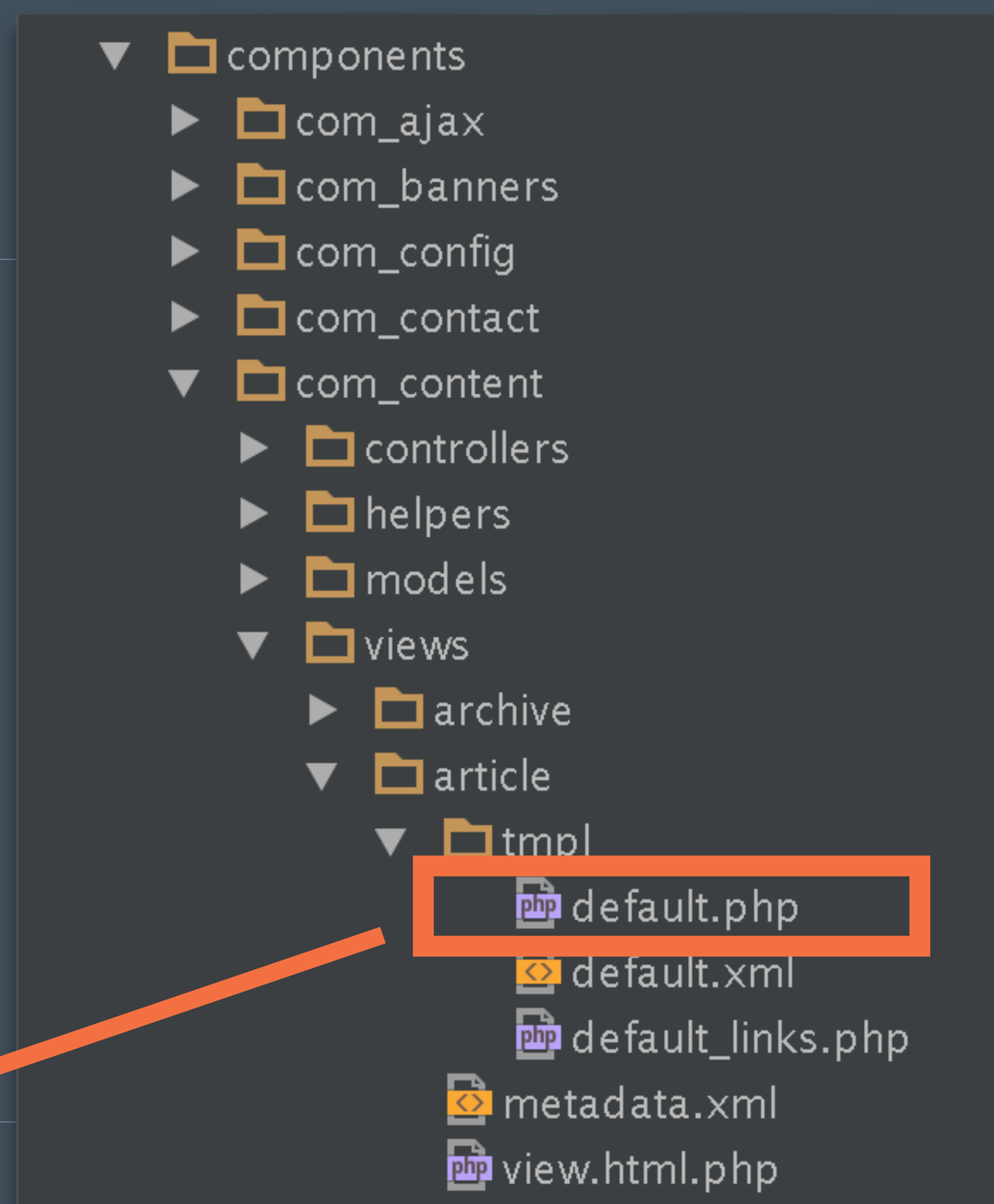
- Copy the **default.php** File from a view (Sometimes the name is different such as **blog.php** etc)
- Put it in your Template Folder into
- **html/com_componentname/viewname**
- for example **html/com_content/article/default.php**
- Change the Layout to your needs.
- The Standard-Output is Overwritten.



Joomla! Overrides and alternate layouts

How do i create an alternate layout?

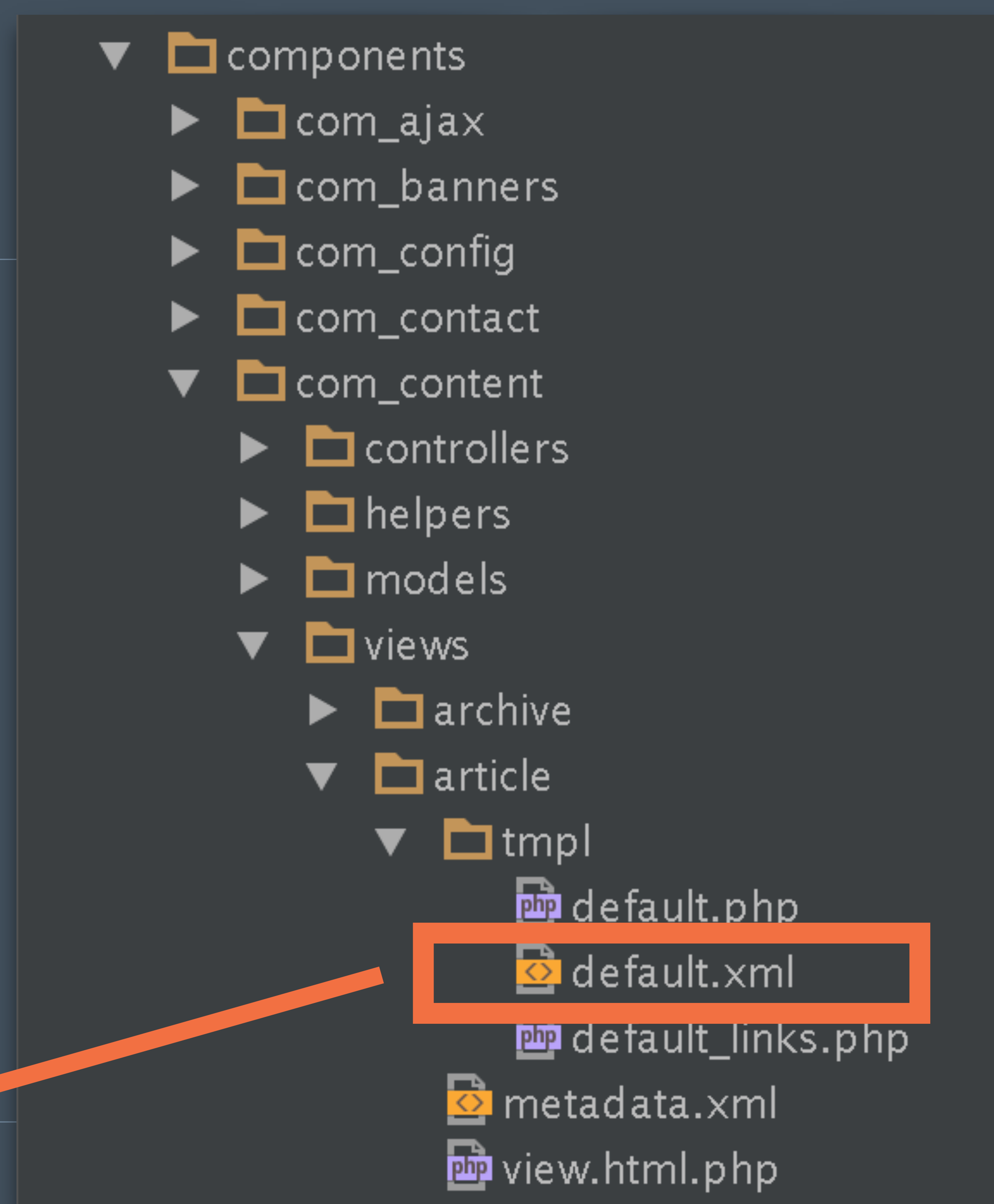
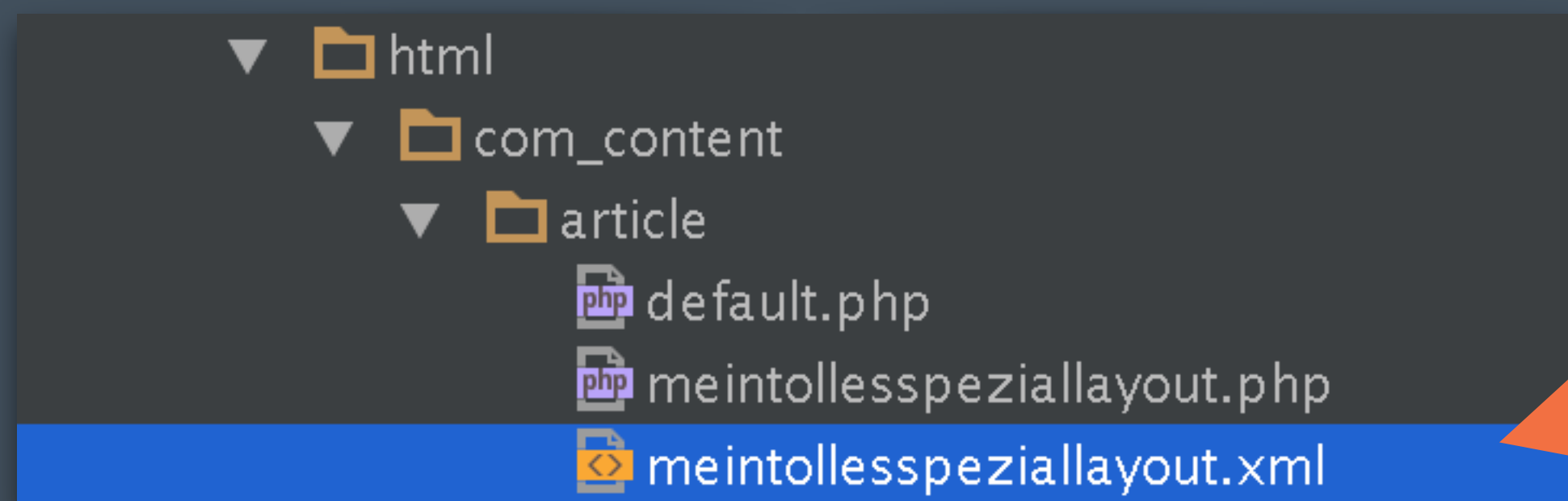
- Copy the **default.php** File from a view
(Sometimes the name is different such as *blog.php* etc.)
- Put it in your template folder into
html/com_componentname/viewname
- and change the filename. For example:
html/com_content/article/mygreatlayout.php
- Change the layout to your needs:
- Will override the output **where you set it**.



Joomla! Overrides and alternate layouts

How do i create an own Menutype?

- Copy the **default.xml** File from a view into your Template-Folder:
- **html/com_componentname/viewname**
- Change the filename to the one of your Alternate Layout. for example: **mygreatlayout.xml**
- Change the Content of the .XML File to your needs (Languagestrings, Parameters)



Joomla! Overrides and alternate layouts

From „adjusting a bit“ to creating „whole new crazy stuff“

- Adjusting: Change the Output to be compatible to your used Frontend CSS Framework.
Bootstrap 2 -> Bootstrap 3 / 4

```
<?php if (!empty($this->intro_items)) : ?>
<?php foreach ($this->intro_items as $key => &$item) : ?>
    <?php $rowcount = ((int) $key % (int) $this->columns) + 1; ?>
    <?php if ($rowcount == 1) : ?>
        <?php $row = $counter / $this->columns; ?>
        <div class="items-row cols-<?php echo (int) $this->columns; ?>">
    <?php endif; ?>
    <div class="span<?php echo round((12 / $this->columns)); ?>">
        <div class="item column-<?php echo $rowcount; ?><?php echo $item->s
            itemprop="blogPost" itemscope itemType="https://schema.org/Blog
        <?php
        $this->item = & $item;
        echo $this->loadTemplate('item');
```

Joomla! Overrides and alternate layouts

From „adjusting a bit“ to creating „whole new crazy stuff“

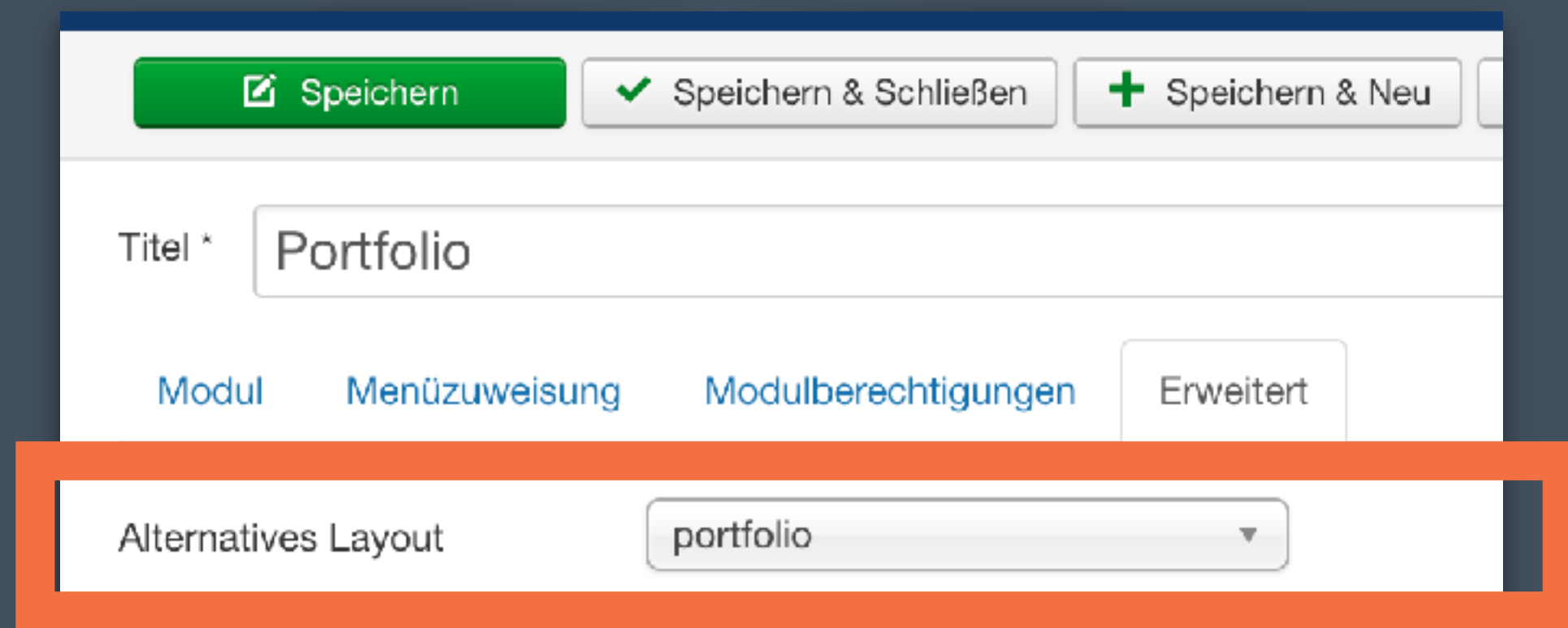
- Creating an own Layout: You can help yourself to determine the possible parameters and item-variables with writing **<?php echo print_r(\$params); ?>** or **<?php echo print_r(\$this->item); ?>** in your layout.

```
[fulltext] => [state] => 1 [catid] => 8 [created] => 2016-10-19 14:47:06 [created_by] => 438  
[created_by_alias] => [modified] => 2016-10-19 14:47:06 [modified_by] => 0 [checked_out] => 0  
[checked_out_time] => 0000-00-00 00:00:00 [publish_up] => 2016-10-19 14:47:06 [publish_down] =>  
0000-00-00 00:00:00 [images] =>  
{"image_intro":"","float_intro":"","image_intro_alt":"","image_intro_caption":"","image_fulltext":"","float_ful  
[urls] =>  
{"urla":false,"urlatext":"","targeta":"","urlb":false,"urlbtext":"","targetb":"","urllc":false,"urllctext":"","targetc":""  
[attrs] =>  
{"show_title":"","link_titles":"","show_tags":"","show_intro":"","info_block_position":"","info_block_show_tit  
[version] => 1 [ordering] => 3 [metakey] => [metadesc] => [access] => 1 [hits] => 1 [metadata] =>  
Joomla\Registry\Registry Object ( [data:protected] => stdClass Object ( [robots] => [author] => [rights] =>  
[xreference] => ) [initialized:protected] => 1 [separator] => . ) [featured] => 0 [language] => * [xreference]  
=> [category_title] => Iconmodule [category_alias] => iconmodule [category_access] => 1 [author] =>  
Super User [parent_title] => ROOT [parent_id] => 1 [parent_route] => [parent_alias] => root [rating] =>  
[rating_count] => [params] => Joomla\Registry\Registry Object ( [data:protected] => stdClass Object (  
[article_layout] => _default [show_title] => 1 [link_titles] => 1 [show_intro] => 1 [show_category] => 1  
[link_category] => 1 [show_parent_category] => 0 [link_parent_category] => 0 [show_author] => 1  
[link_author] => 0 [show_create_date] => 0 [show_modify_date] => 0 [show_publish_date] => 1
```

Joomla! Overrides and alternate layouts

Where do i select an alternate layout in my modules?

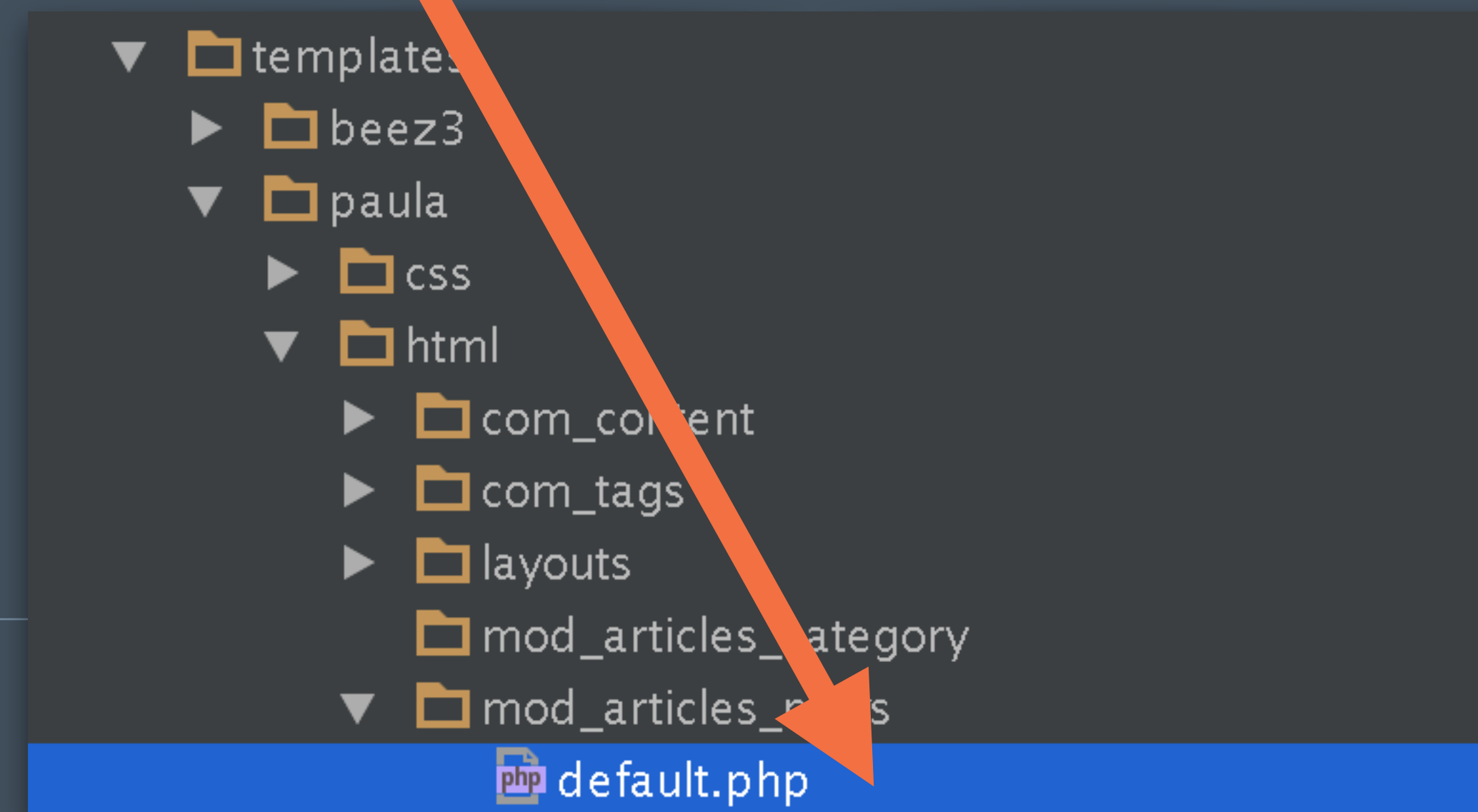
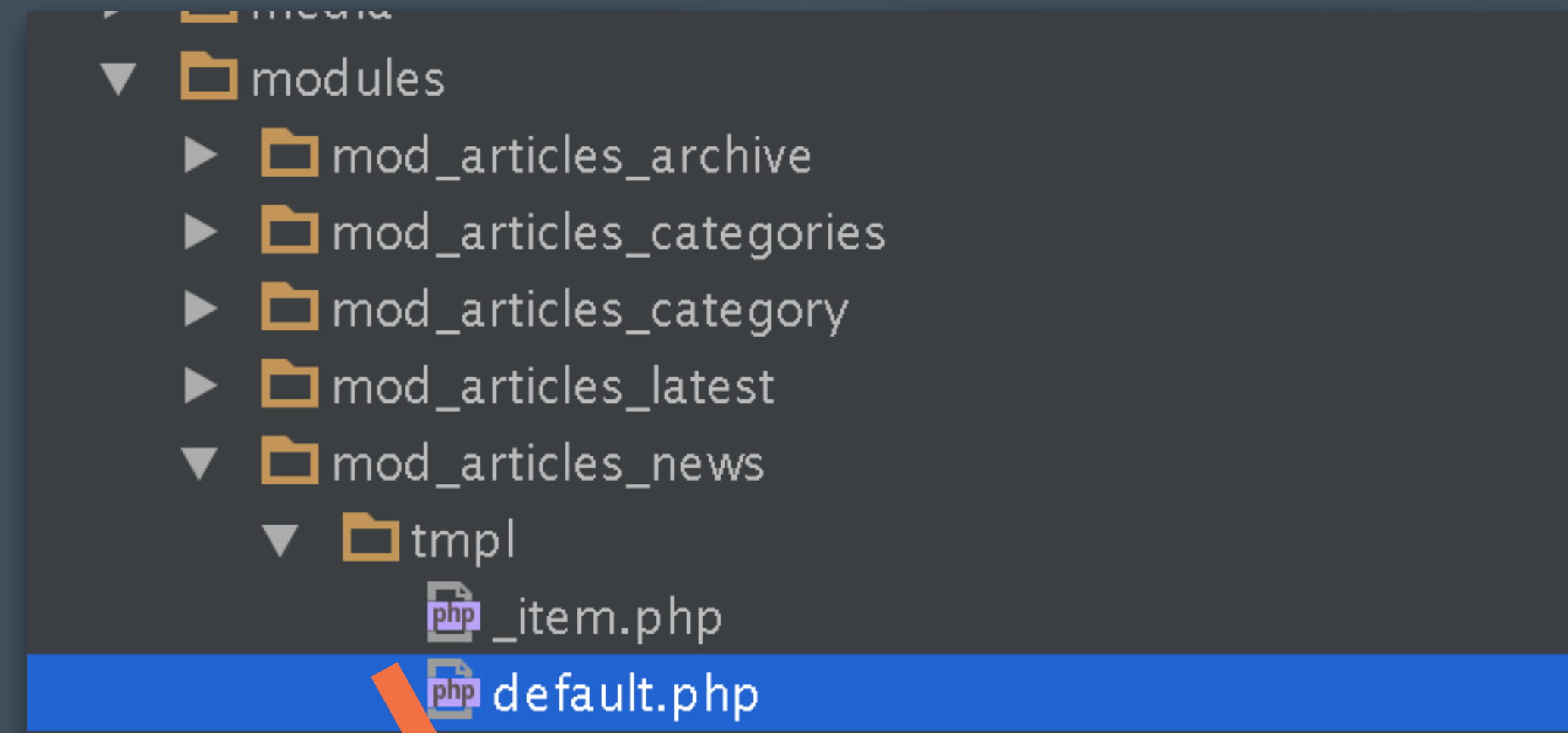
- In the module parameters in the advanced tab



Joomla! Overrides and alternate layouts

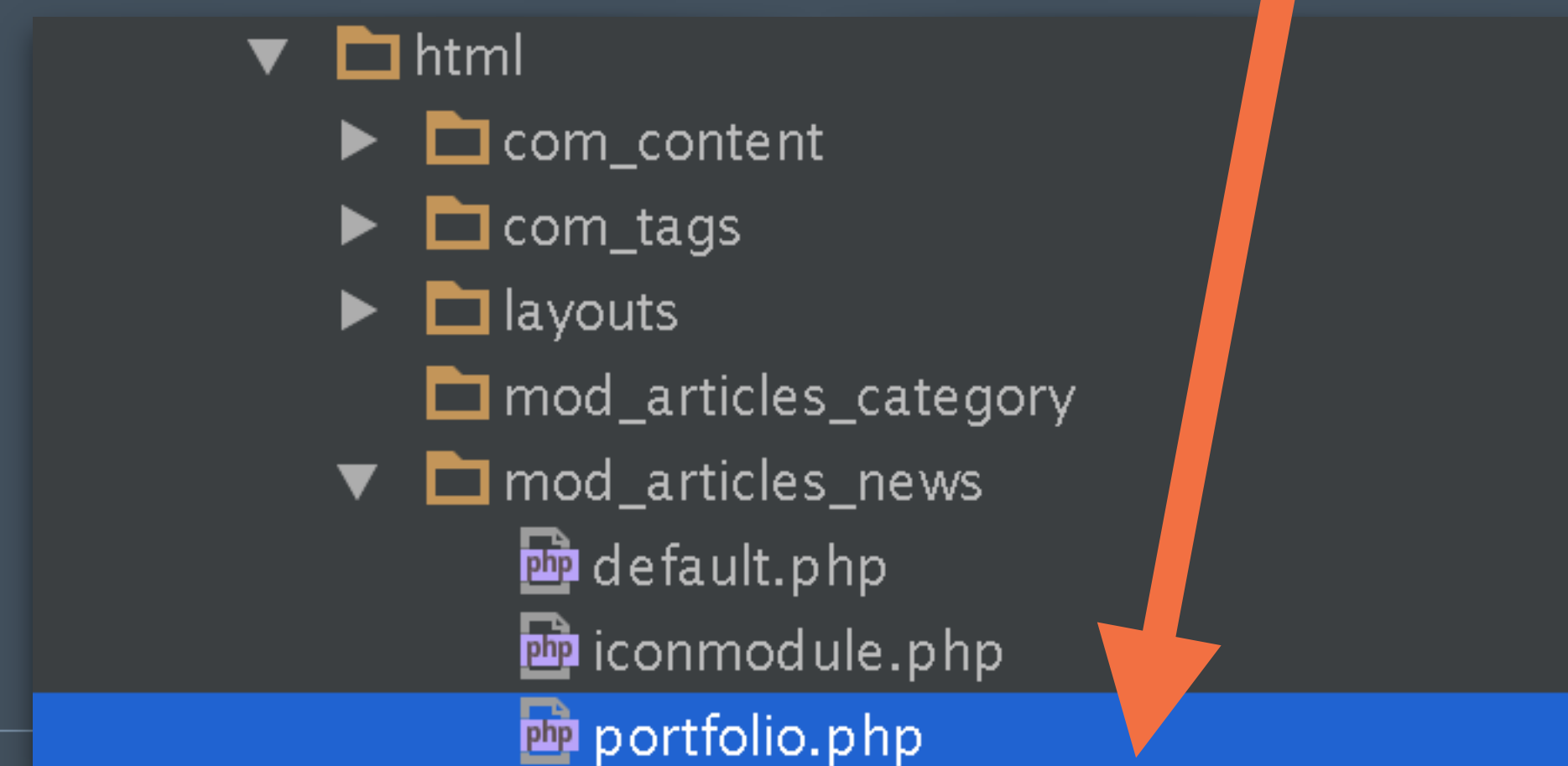
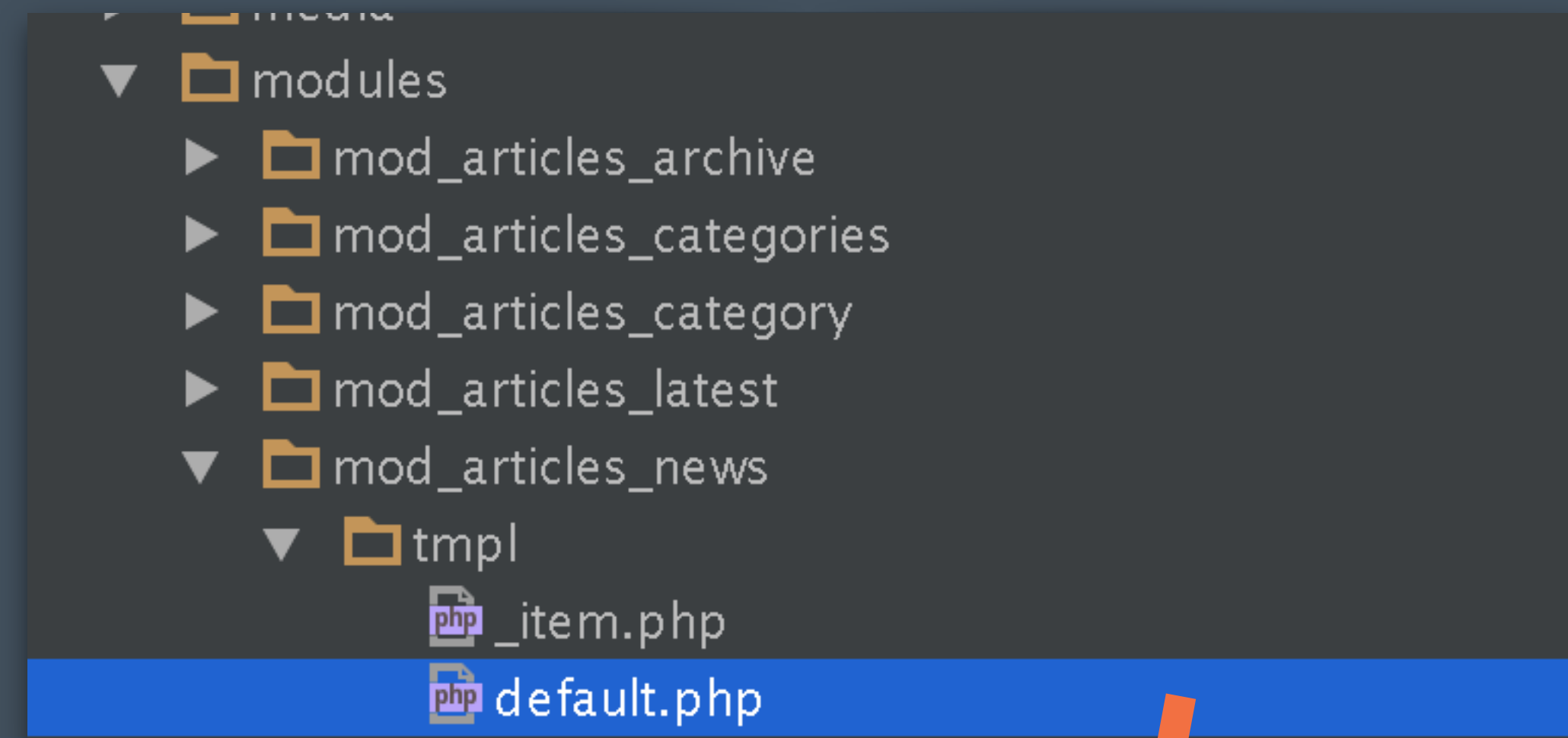
How do i create an module-override?

- Copy the **default.php** from a module into your Template-Folder into
- **html/modulename**
- for example: **html/mod_articles_news/default.php**
- Change the output according to your needs.
- **Overrides the standard-output of this module everywhere.**



How do i create an alternate layout for modules?

- Copy the **default.php** from a module into your Template-Folder, **change the name** and put it into **html/modulename**
- for example: **html/mod_articles_news/portfolio.php**
- Change the Output according to your needs.
- Overrides the Output where you set it.



Joomla! Overrides and alternate layouts

TRANSLATION

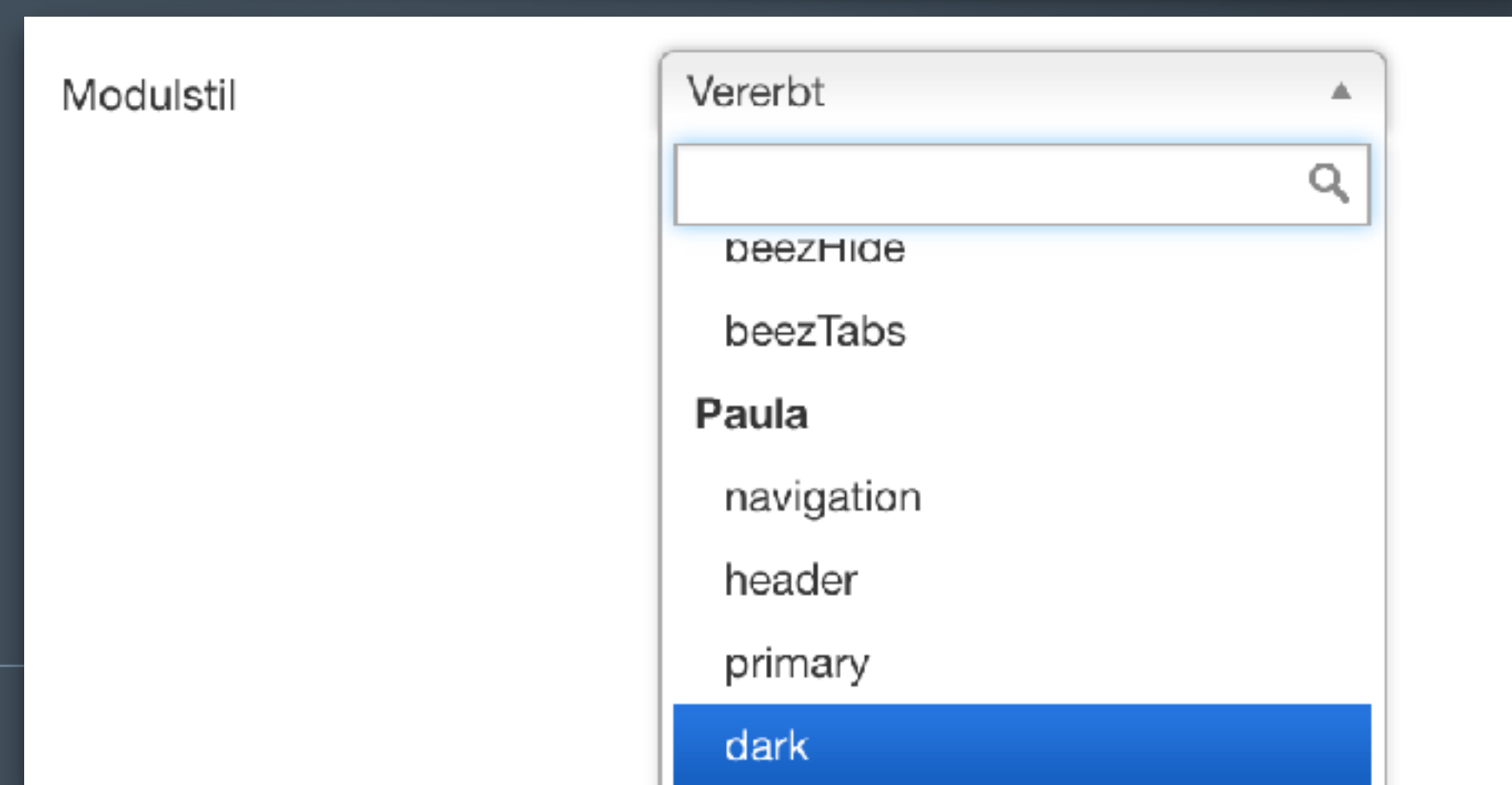
- You can translate Layoutnames in your Template Languagefile
`TPL_`**PROTOSTAR_COM_CONTENT_ARTICLE_LAYOUT_EXAMPLE**`=„Example“`
- `TPL_TEMPLATENAME_COM_COMPONENTNAME_VIEWNAME_LAYOUT_FILENAME`

Joomla! Overrides and alternate layouts

Modul Chrome

- Has actually nothing to do with overrides... BUT!
- The Modulestyle can be defined in the template
- An alternate Modulestyle can be chosen in the module

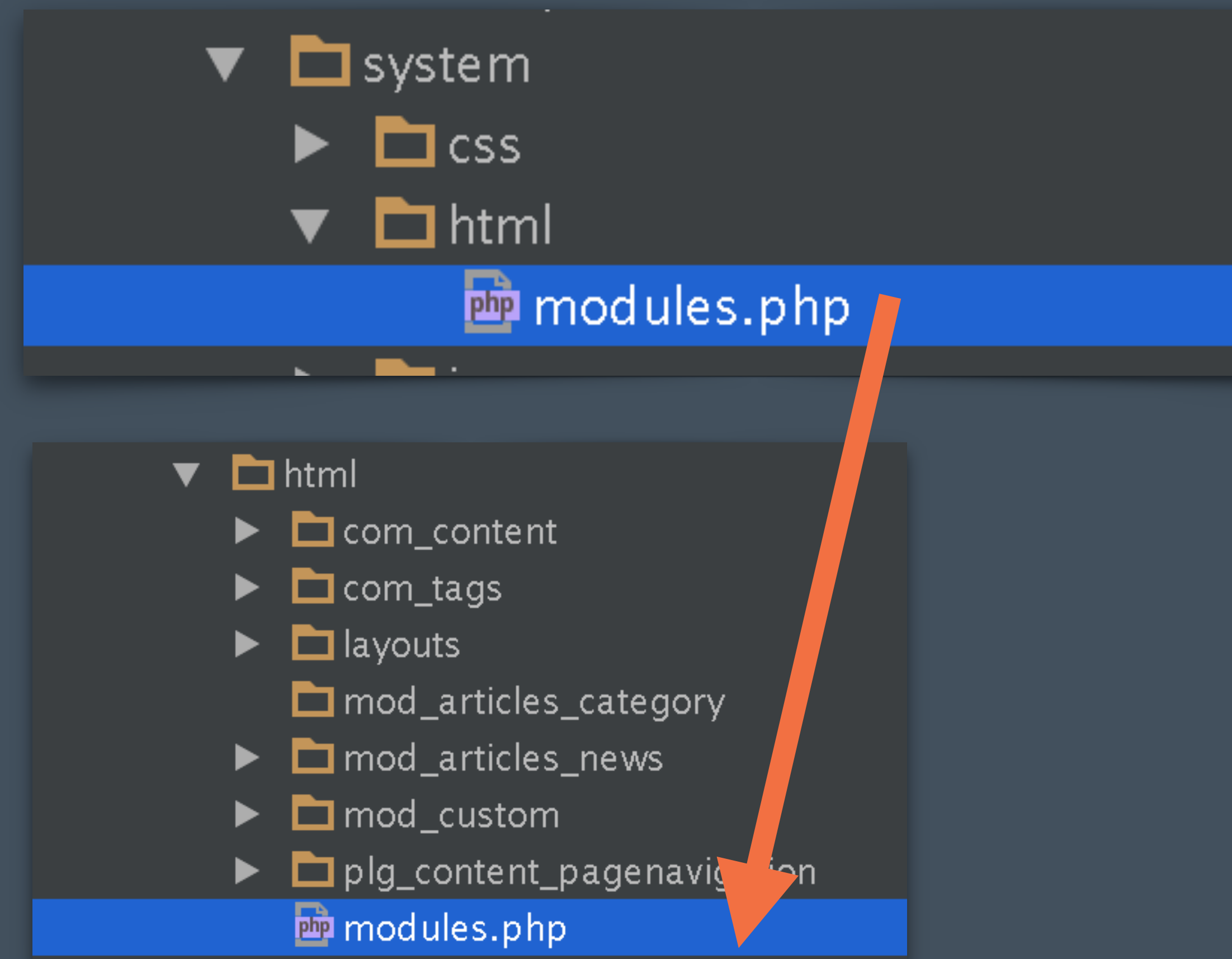
```
<jdoc:include type="modules" name="action" style="dark"/>
```



Joomla! Overrides and alternate layouts

How do i create a Modul Chrome?

- Easy way: Copy the **modules.php** from the Protostar Template to the **html/** Folder of your own Template.
- = **html/modules.php**
- Change the chrome(s) and their function names
- **DON'T** use names of the Core chromes



When an alternate layout? When a module chrome?

- Create an alternate layout if you want to change specifically this moduletype.
- Create a modulechrome if you wish to change the containers around Modules independent of the moduletype.

Joomla! Overrides and alternate layouts

DEMO **Example Overrides**

<http://fast-lines.com>

Blogview with hover

Joomla! Overrides and alternate layouts

DEMO **Example Overrides**

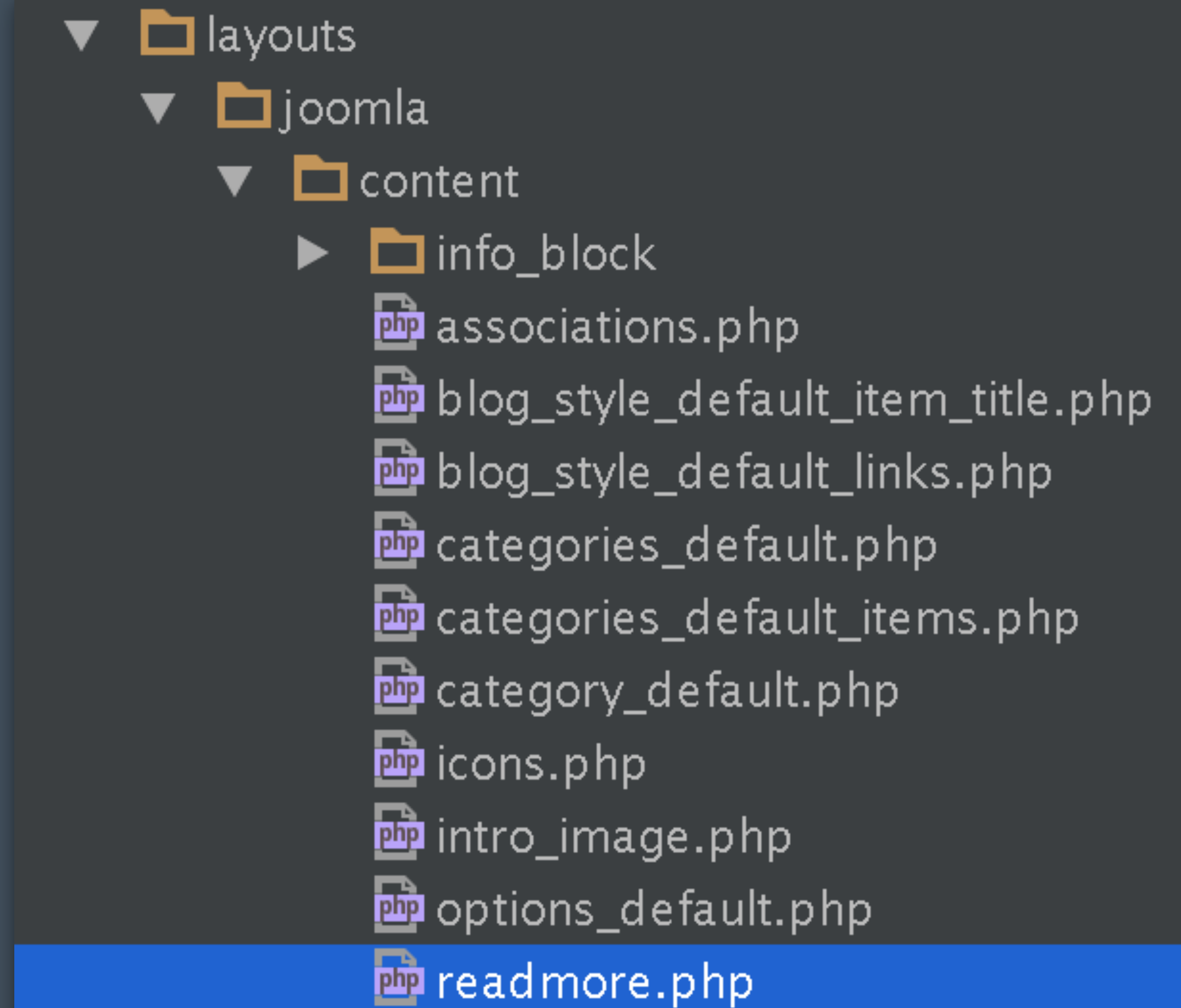
<https://btb-abvw.be/>

Menu and Module override on the right.

Joomla! Overrides and alternate layouts

What are jLayouts?

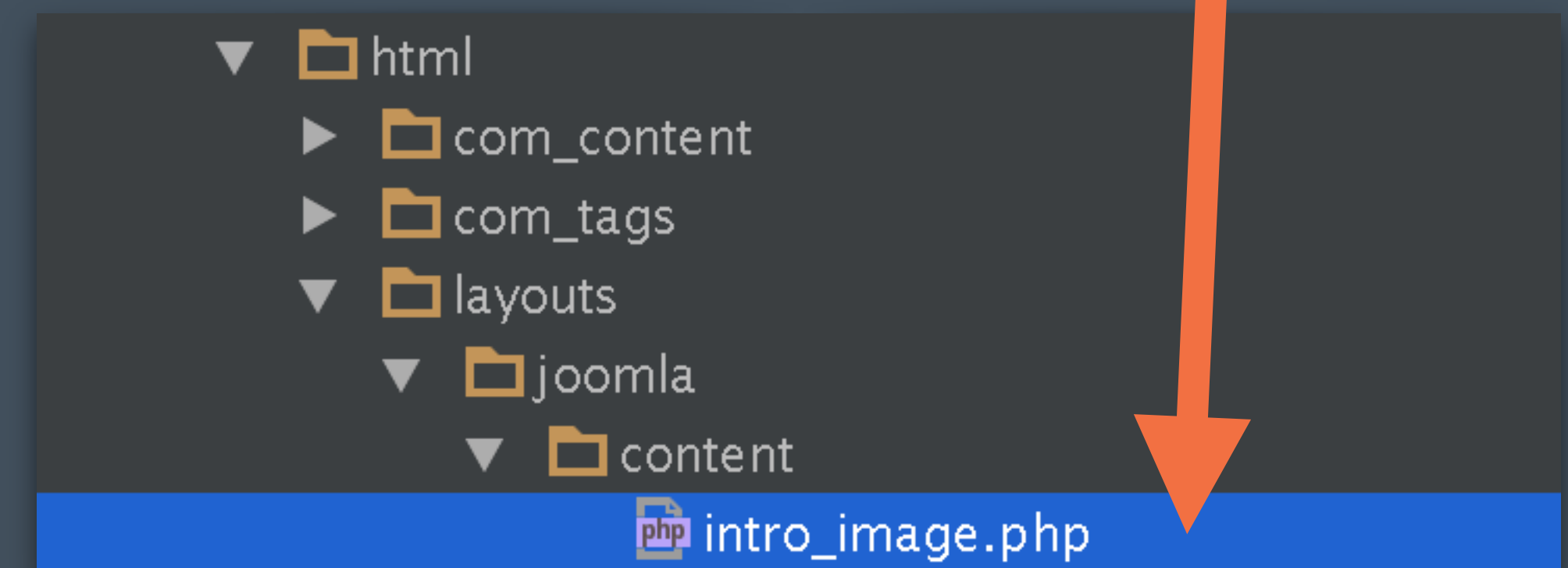
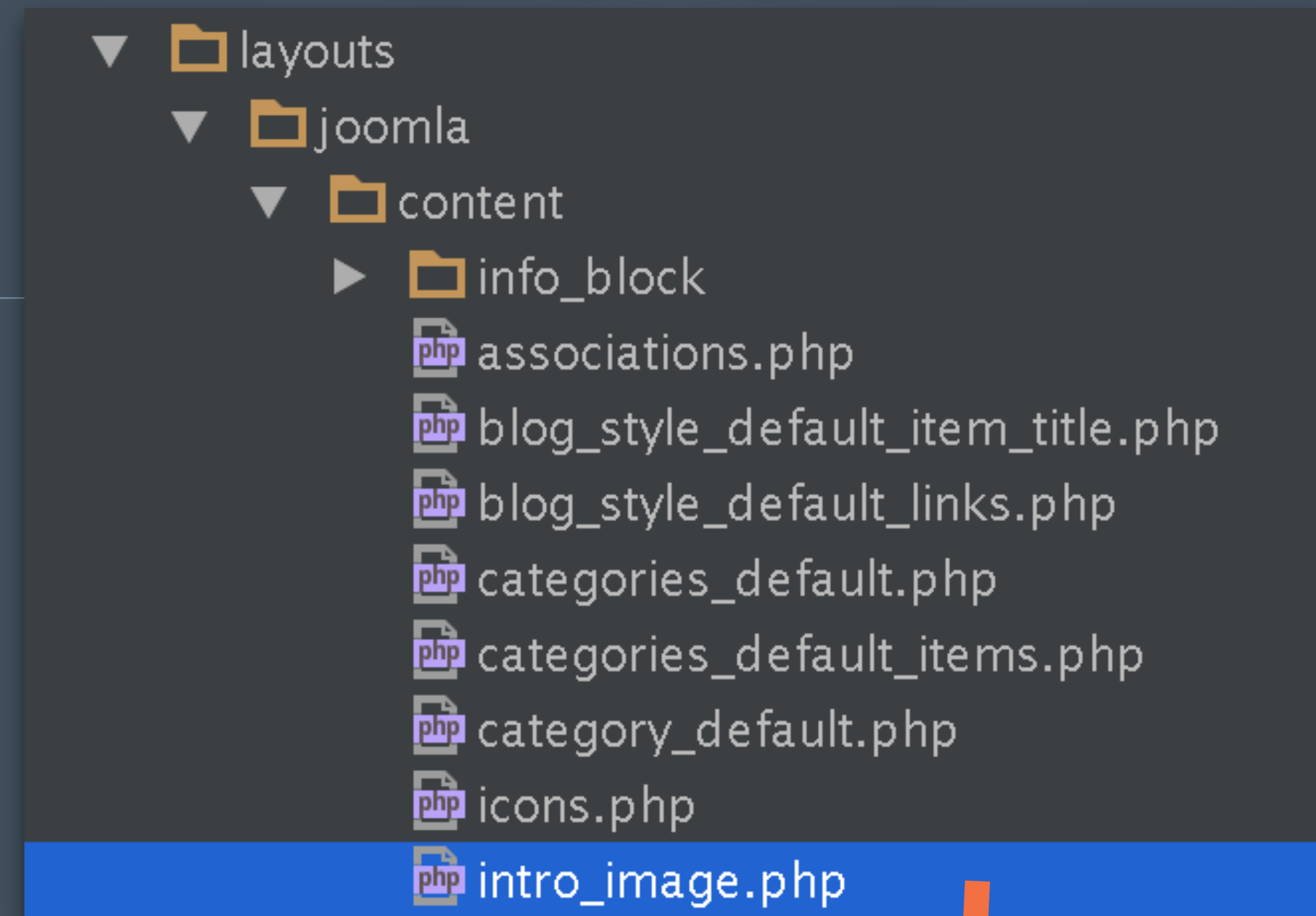
- Layouts are Files, that are used in Joomla! in different locations. They are excluded so you can always include it in different Layouts and save duplicated Code.
- For Example: Readmore Button



Joomla! Overrides and alternate layouts

How do i create a jLayout Override?

- Copy the **xyz.php** from a layout into your template-Folder into
- **html/layouts/path/path**
- for example:
html/layouts/joomla/content/intro_image.php
- Adjust the output according to your needs.
- **Changes the standard-output of this layout everywhere.**



Joomla! Overrides and alternate layouts

What if i don't want to change the Layout everywhere?

- Copy the **xyz.php** File from a Layout into your Template-Folder
- **html/layouts/path/path**
- For example **html/layouts/joomla/content/intro_image_elisa.php**
- Change the Output according to your needs.
- Include the Layout with the NEW News into your Override or AL

```
<?php elseif ( $params->get( 'show_noauth' ) == true && $user->get( 'guest' ) ) : ?>  
⚡ <?php echo JLayoutHelper::render( 'joomla.content.intro_image_elisa', $this->item ); ?>  
<?php echo JHtml:: ( 'content.prepare', $this->item->introtxt ): ?>
```

Media-File Overrides

- You can override files from the Joomla! Media Folder.
- But only if they are implemented somewhat like:
`JHtml::_('script', 'com_something/creative.min.js', false, true)`

Override Scripts from the Media Folder

- **Override Scripts from the media/jui/js/ Folder:**
 - templates/yourtemplate/js/jui/bootstrap.min.js
 - templates/yourtemplate/js/jui/html5.js
 - templates/yourtemplate/js/jui/jquery.min.js
 - templates/yourtemplate/js/jui/jquery-migrate.min.js
 - templates/yourtemplate/js/jui/jquery-noconflict.min.js
- **Override Scripts from the media/system/js Folder:**
 - templates/ihrtemplate/js/system/caption.js
 - templates/ihrtemplate/js/system/core.js
 - templates/ihrtemplate/js/system/html5fallback.js
 - templates/ihrtemplate/js/system/polyfill.event.js

UNSET SCRIPTS

- You can unset single scripts with:
`unset($this->_scripts[$this->baseurl.'/media/jui/js/bootstrap.min.js']);`

NEW in Joomla 3.7:

unset all Joomla! core Scripts in your Template with:
`JFactory::getDocument()->resetHeadData('scripts');`

Override images from the media folder

- For Example: Breadcrumbs arrow
media/**system/images**/arrow.png
- Override with:
templates/yourtemplate/images/system/arrow.png

Aktuelle Seite: [Home](#) ▶ Beispielunterseite

Aktuelle Seite: [Home](#) ♥ Beispielunterseite

Override CSS from the media folder

- For Example: Custom Field Calendar CSS
media/**system**/css/**fields**/calendar.css
- Override with:
templates/ihrtemplate/css/system/fields/calendar.css

Override Files outside the Media Folder

- Sometimes Thirdparty Extension Developers include a code like this in their Component etc.
- ```
$css_path = JPATH_THEMES. '/' . $document->template . '/css/' . $module_name;
if(file_exists($css_path . '/' . $style . '.css'))
{
 $document->addStylesheet(JURI::base(true) .
 '/templates/' . $document->template . '/css/' . $module_name . '/' . $style . '.css');
}
```
- **You have to look into the code to see if it's possible.**

# Override Language Files

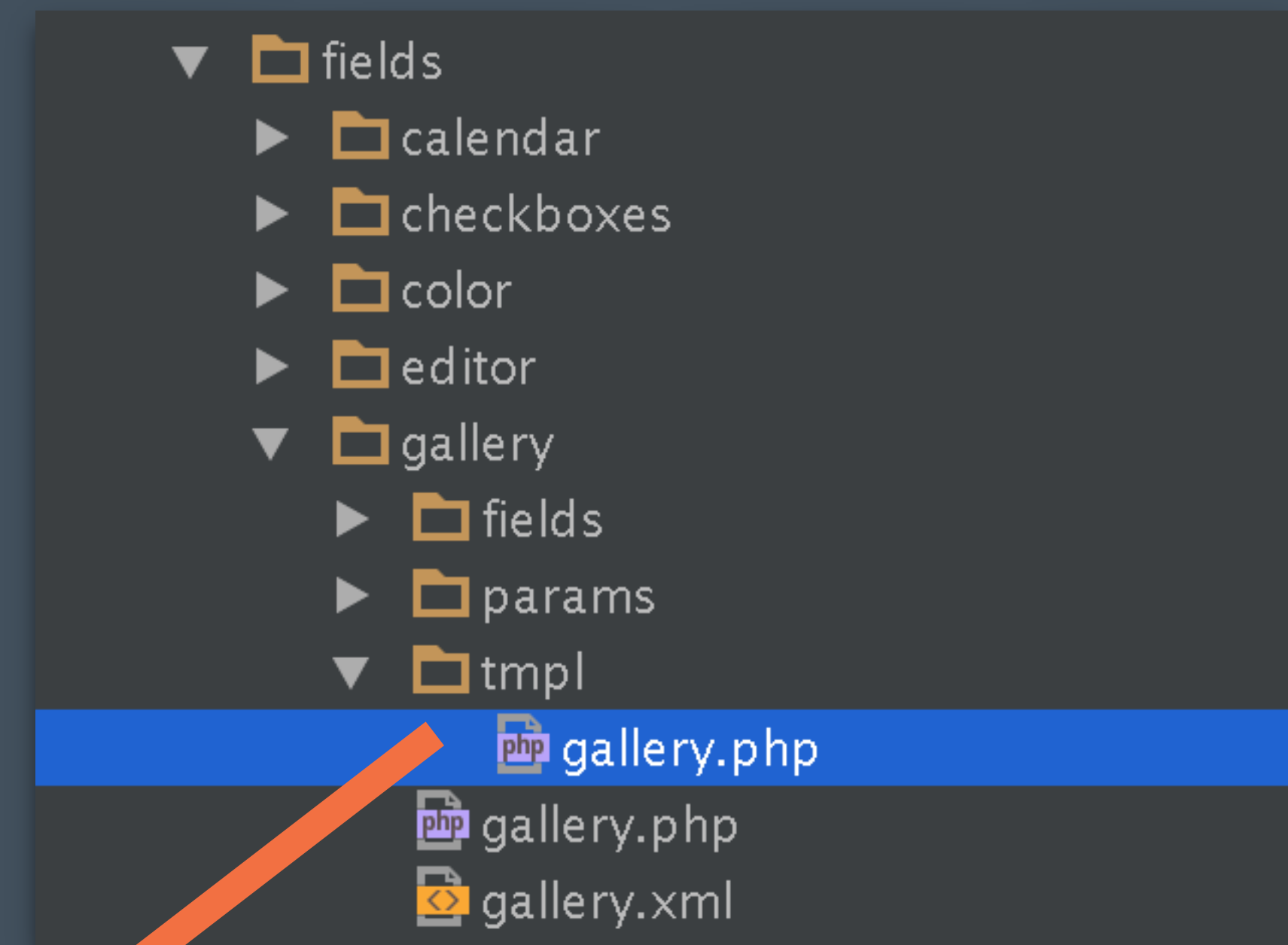
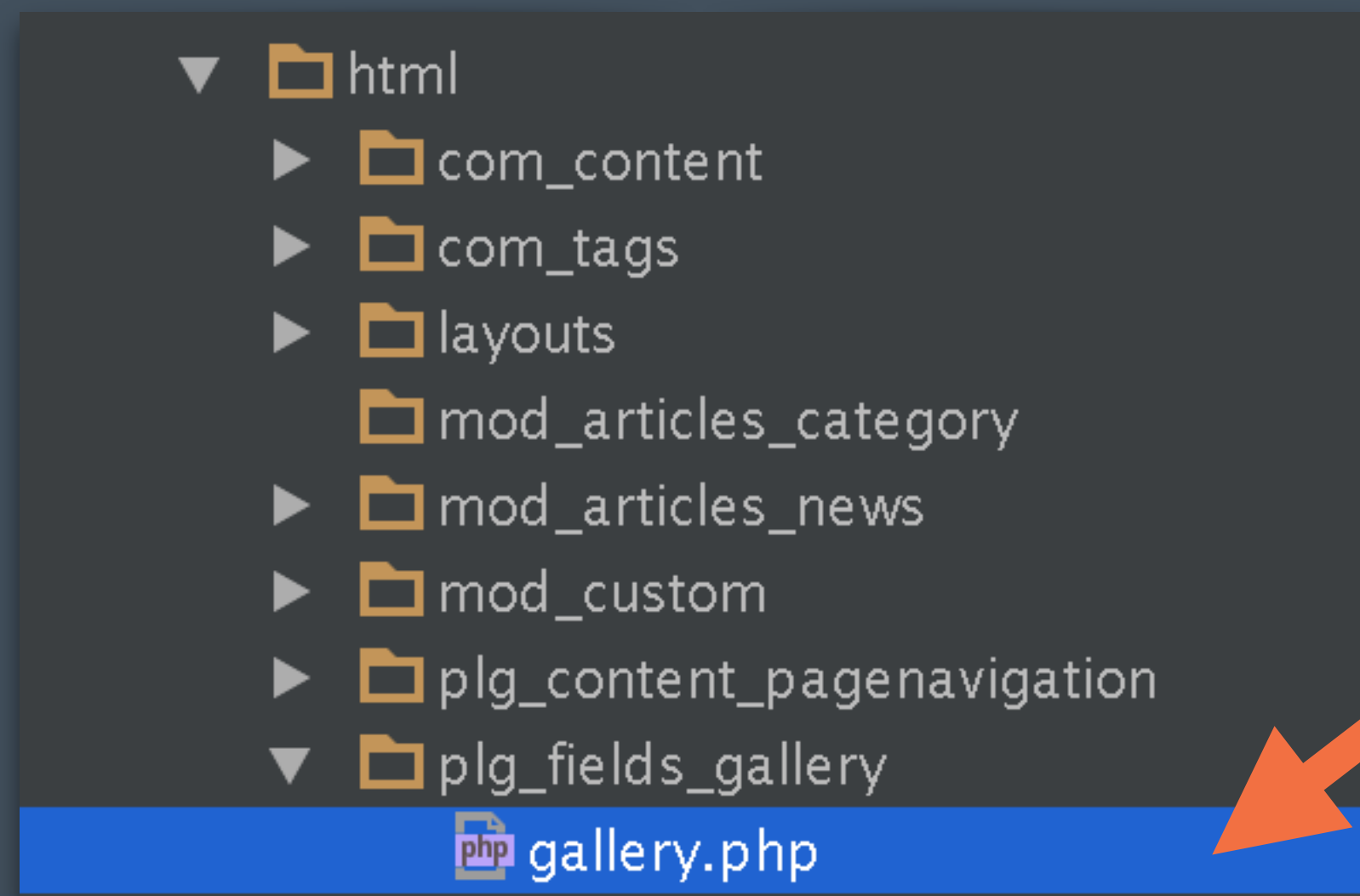
- You can override Language Files in Extensions » Language » Overrides
- For Frontend, Backend or both
- You can search for a languagekey or string
- You can only search for languagekeys/strings that are in an .ini File.  
For example not for own defined Custom Fields Labels  
(but they are translateable in the Language Overrides)

## Joomla! Overrides and alternate layouts

---

**New in Joomla 3.7: Custom Fields**  
[customfields.coolcat-creations.com](http://customfields.coolcat-creations.com)

# Override for Plugins for example Custom Fields



(no sorry, the gallery Custom Field was removed :-( )

# How can i change the Output of a Custom Field in the User Profile?

- Create an Override from  
**/components/com\_users/views/profile/tmpl/default.php**

Output with

```
<?php echo $this->data->fields[21]->value; ?>
```

- or  

```
<?php echo $customFields['fieldalias']->value; ?>
```

## Joomla! Overrides and alternate layouts

# How can i change the output of a Custom Field in an article?

- Use the Field Button to insert Field-Values in the Editor
- Or Create an Article Override and output the fields with: `<?php echo $this->item->fields[10]->value; ?>`

|  |  | <input type="checkbox"/> | Status                              | Title                                                | Type | Field Group     | Access | Language | ID |
|--|--|--------------------------|-------------------------------------|------------------------------------------------------|------|-----------------|--------|----------|----|
|  |  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Jobtitel (Alias: jobtitel) Category: Stellenangebote | Text | Stellenangebote | Public | All      | 10 |

```
<h2><?php echo $this->item->fields[10]->value; ?></h2>
```

# How can i output Custom Fields from the Userprofile in an Article?

- Call the User in the Override:  
`$user = JFactory::getUser($this->item->created_by);`  
`JEventDispatcher::getInstance()->trigger('onContentPrepare', array('com_users.user', &$user, &$user->params, 0 ));`
- Output the Field with:  
`<?php echo $user->fields[3]->value; ?>`

# How can i output a Custom Field in a contact?

- Use the Field Button to insert fieldvalues in the WYSIWYG Editor.
- Create an Override from the Contact View
- Output the Field with:  

```
<?php echo $this->item->fields[18]->label; ?>
```

```
<?php echo $this->item->fields[18]->value; ?>
```

# How can i call Custom Fields from Userprofile in a contact?

- Create an Override from the Contact View
- Output the User Profile Custom Field with:  
`<?php echo $this->contactUser->fields[20]->value; ?>`

# How can i call Custom Fields in a contactform?

- Create an override from the contact form
- Call the Joomla! core fields with:  
**<?php \$this->form->renderField('contact\_name'); ?>**
- Call the Custom Field with:  
**<?php \$this->form->renderField('fieldalias', ,com\_fields'); ?>**

## Joomla! Overrides and alternate layouts

# More Comfort? You can map the Fieldalias/name

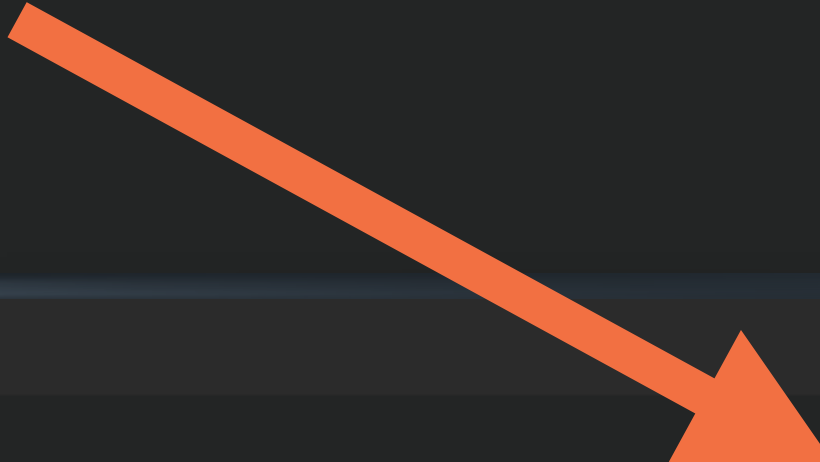
- Possibility: Map Fieldname/alias and use it.

	<input type="checkbox"/>	Status	Title	Type	Field Group	Access	Language	ID
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Jobtitel (Alias: jobtitel) Category: Stellenangebote	Text	Stellenangebote	Public	All	10

```
Article-Felder Mapping
foreach ($this->item->fields as $field) {
 $this->item->field_alias_id_map[$field->alias]=$field->id;
}

$field_alias_id_map = $this->field_alias_id_map;
```

```
<div class="span12">
 <h2><?php
 echo $this->item->fields[$this->item->field_alias_id_map['jobtitel']]->value; ?></h2>
```



# How can i override the Fields itself? (rendering)

- **Override of the Definitionlist around the Fields:**

Find: components/com\_fields/layouts/fields/render.php

Put: templates/ihrtemplate/html/layouts/com\_fields/fields/render.php

- **Override of the Markup around the Field itself:**

Find: components/com\_fields/layouts/field/render.php

Put: templates/ihrtemplate/html/layouts/com\_fields/field/render.php

- **Override of the Fieldinput:**

- Find: /layouts/joomla/form/field

- Put: html/layouts/joomla/form/field/xyz

- + Possible that the Plugin has a view, too - Copy and create a new Plugin or Override it.

## Joomla! Overrides and alternate layouts

# Creating an override through the Template Manager

 Templates: Anpassen

 Template kopieren

 Template-Vorschau

 Verzeichnisse verwalten

 Neue Datei

 Schließen

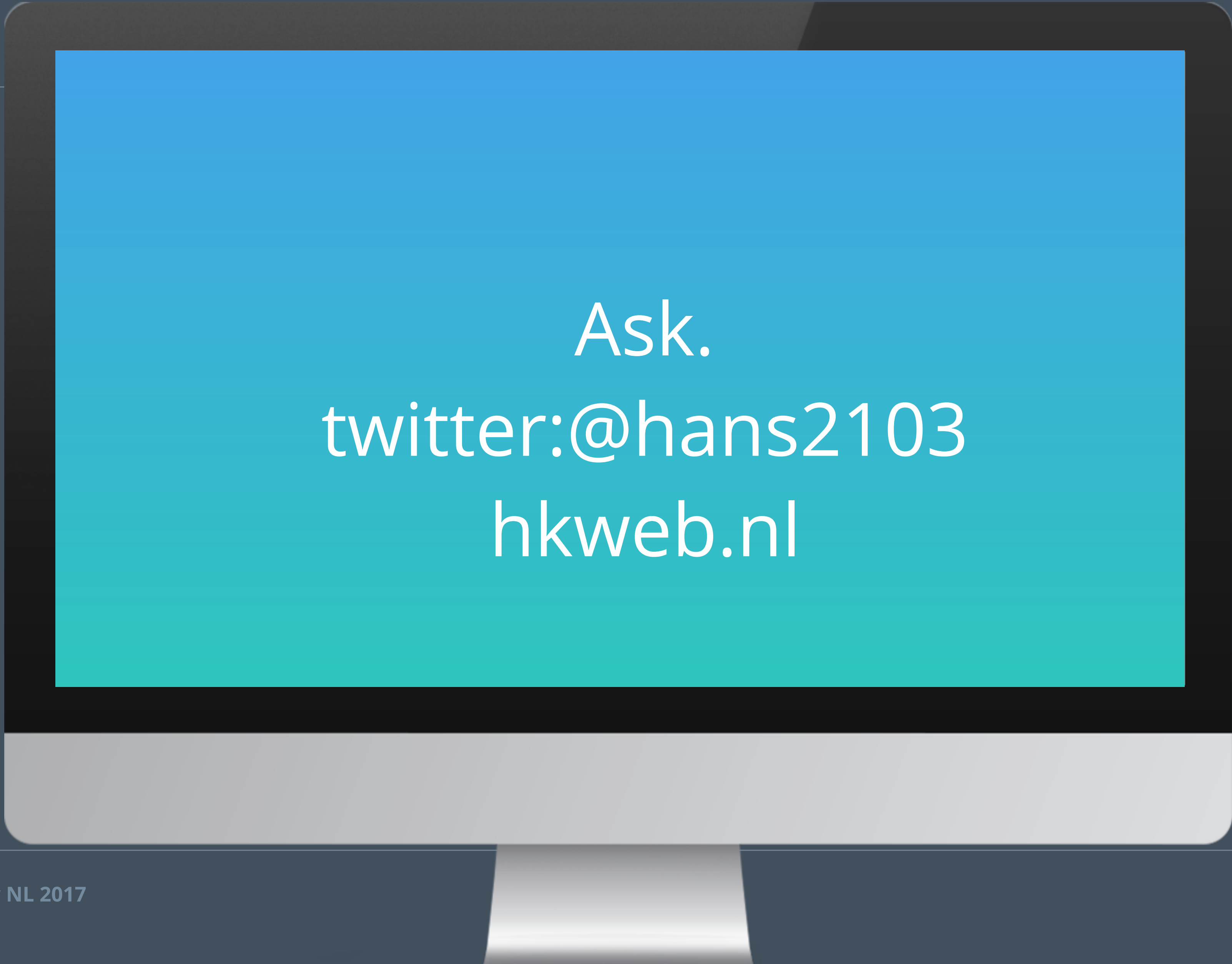
Editor

Overrides erstellen

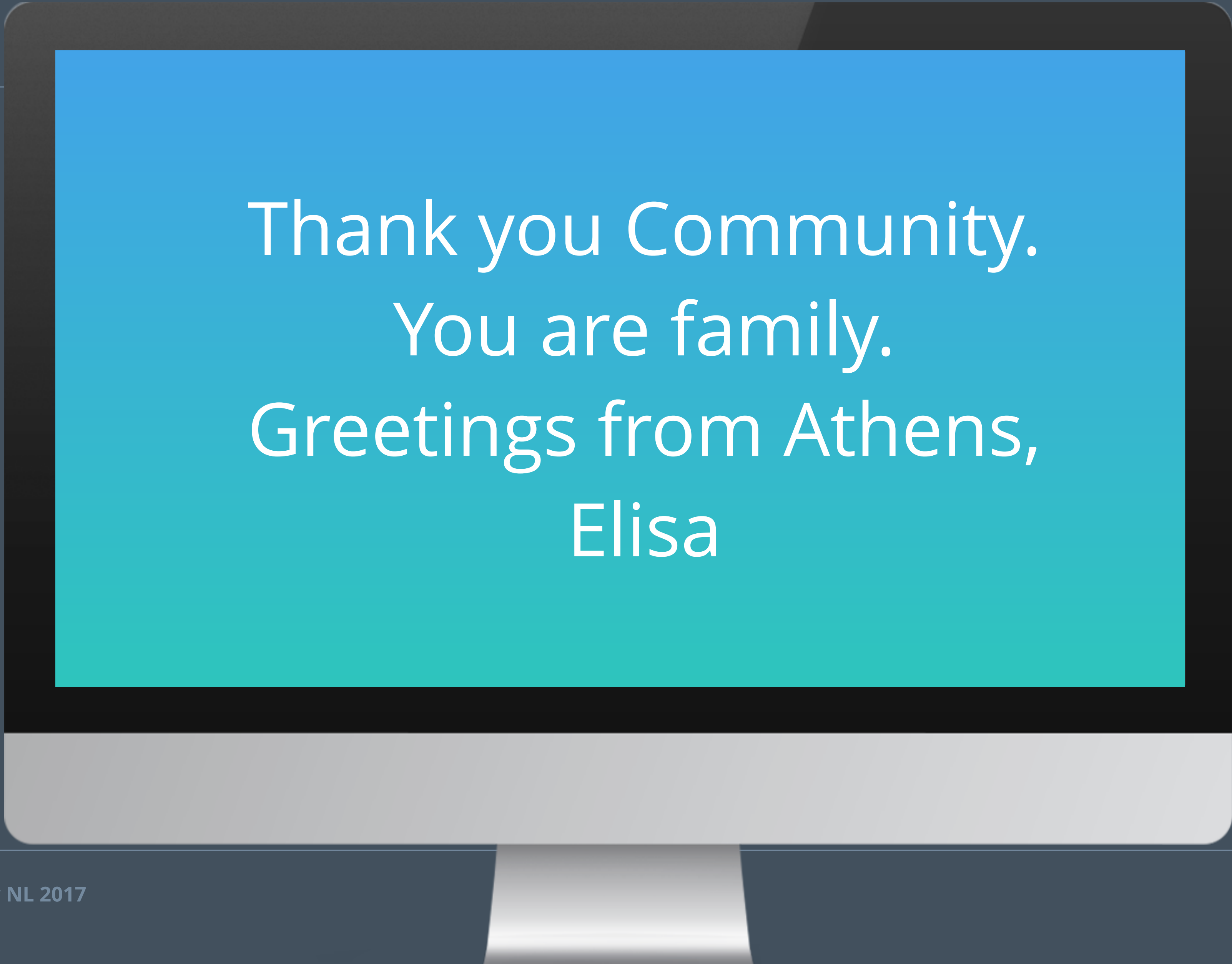
Template-Beschreibung

Module	Komponenten	Layouts
 mod_articles_archive	 com_config	 content
 mod_articles_categories	 com_contact	 edit
 mod_articles_category	 com_content	 editors
 mod_articles_latest	 com_finder	 form
 mod_articles_news	 com_mailto	 html

Questions?

A computer monitor with a silver base and a black bezel. The screen is a solid blue color and displays white text in the center. The text is arranged in three lines: 'Ask.', 'twitter:@hans2103', and 'hkweb.nl'.

Ask.  
twitter:@hans2103  
hkweb.nl

A computer monitor with a silver base and a black bezel. The screen is filled with a solid blue color. Centered on the screen is white text that reads: "Thank you Community. You are family. Greetings from Athens, Elisa".

Thank you Community.  
You are family.  
Greetings from Athens,  
Elisa