

Drupal 8 Theming

Zakiya Khabir

drupal.org/u/zakiya

twitter.com/zakiyadesigns

sandcamp.org/users/zakiya

Code:

github.com/zakiya/d8-theming-camp-demo

Questions?

D7 < D8

Core Changes

- Views, Admin Menu, Breakpoints, Date, Entity Reference, Link, CKeditor, and Fieldable blocks all in core
- Backbone.js, Underscore.js, and Modernizr are in core
- No JQuery or CSS loads by default.

D7 < D8

Big Changes

- Configuration Management
- Using Twig templating engine
- No more IE 6, 7, and 8 support

D7 < D8

Other Changes

- `drush cr` **not** `drush cc all`
- /themes instead of /sites/all/themes
- /modules instead of sites/all/modules

Local Dev Setup

Get your Drupal

- Find latest dev or beta on d.o
- drupal.org/node/3060/release
- Download and install on your favorite _AMP stack

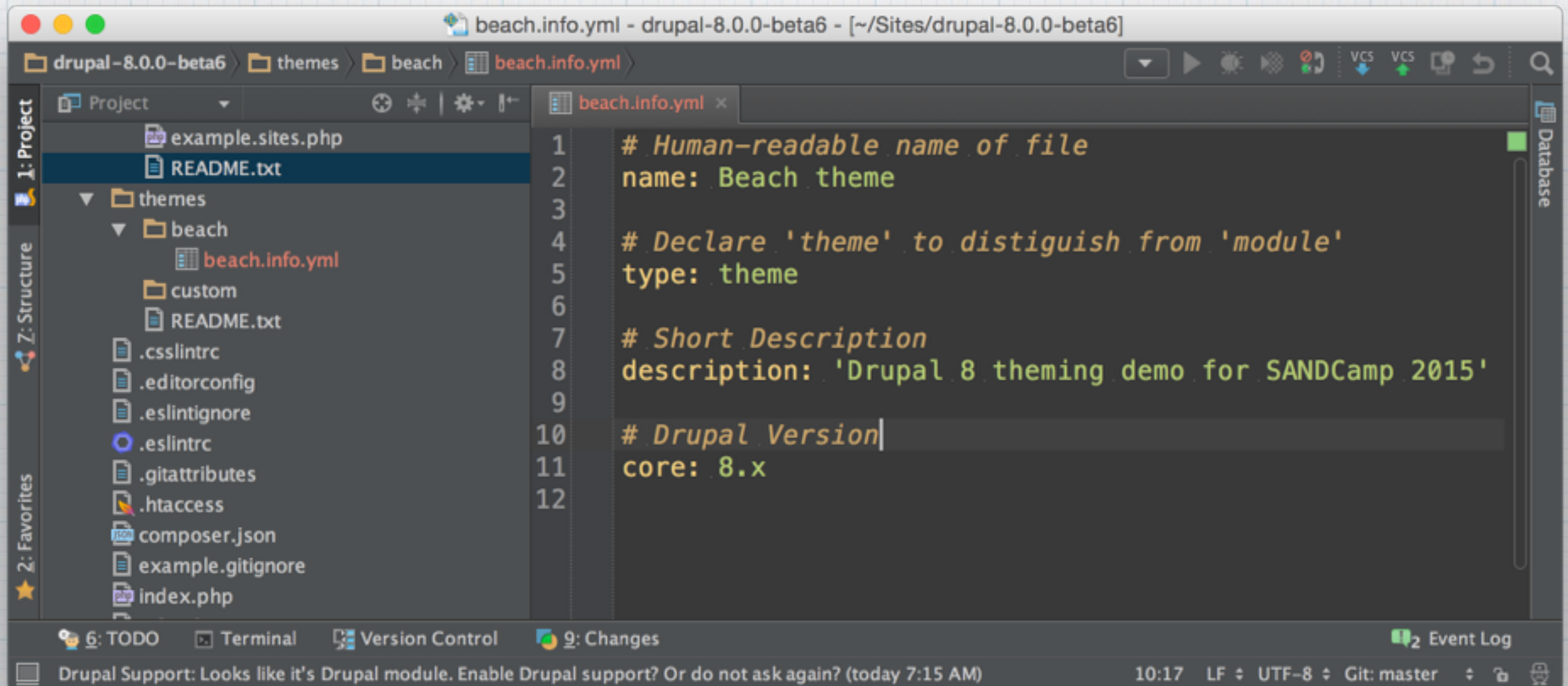
Local Dev Setup

Performance Settings

- By default css, js and html are cached
- Disable caching through UI at /config/development/performance
- Or
- Copy sites/example.settings.local.php to settings.local.php
 - See /sites/example.settings.local.php)
 - Uncomment these lines in /default/settings.php :

```
if (file_exists(__DIR__ . 'settings.local.php'))  
{ include __DIR__ . '/settings.local.php'; }
```
 - **drush cr** when done!

THEME.info.yml



The screenshot shows an IDE window titled "beach.info.yml - drupal-8.0.0-beta6 - [~/Sites/drupal-8.0.0-beta6]". The breadcrumb navigation shows the path: drupal-8.0.0-beta6 > themes > beach > beach.info.yml. The left sidebar displays a project structure with folders like "themes" and "beach", and files like "example.sites.php", "README.txt", and "beach.info.yml". The main editor area shows the content of "beach.info.yml" with line numbers 1 through 12. The file contains the following YAML configuration:

```
1 # Human-readable name of file
2 name: Beach theme
3
4 # Declare 'theme' to distinguish from 'module'
5 type: theme
6
7 # Short Description
8 description: 'Drupal 8 theming demo for SANDCamp 2015'
9
10 # Drupal Version
11 core: 8.x
12
```

The bottom status bar includes tabs for "6: TODO", "Terminal", "Version Control", and "9: Changes", along with an "Event Log" icon. A message at the bottom states: "Drupal Support: Looks like it's Drupal module. Enable Drupal support? Or do not ask again? (today 7:15 AM)". The system clock shows "10:17", the encoding is "UTF-8", and the git branch is "master".

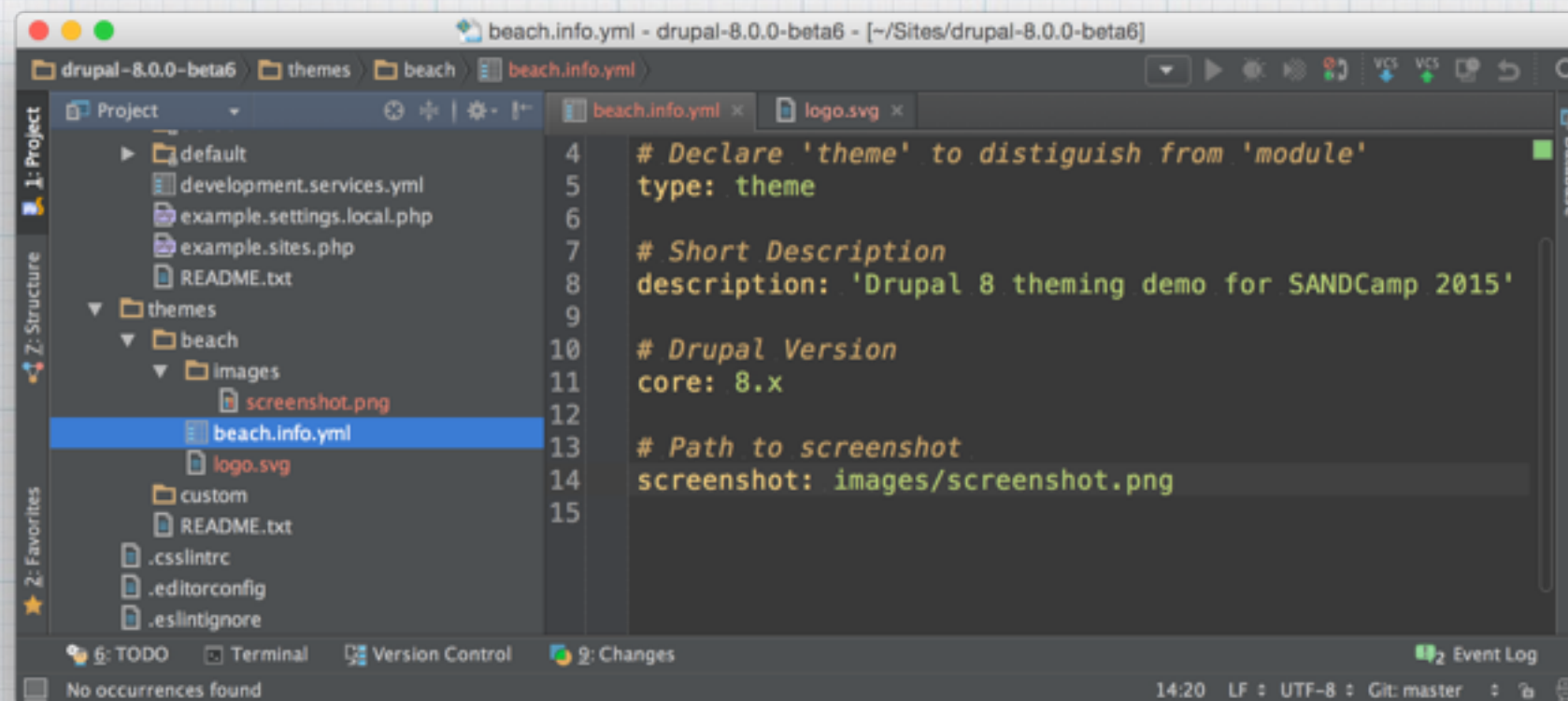
Basic Declarations

Logo

- If logo is called logo.svg and put in root folder Drupal will auto-detect
- logo.png or logo.gif can be added via Drupal UI

Screenshot

- screenshot.png placed in root will be auto-detected
- or declare in THEME.info.yml



Declare Base Theme

```
base theme: classy
```


Theme Features

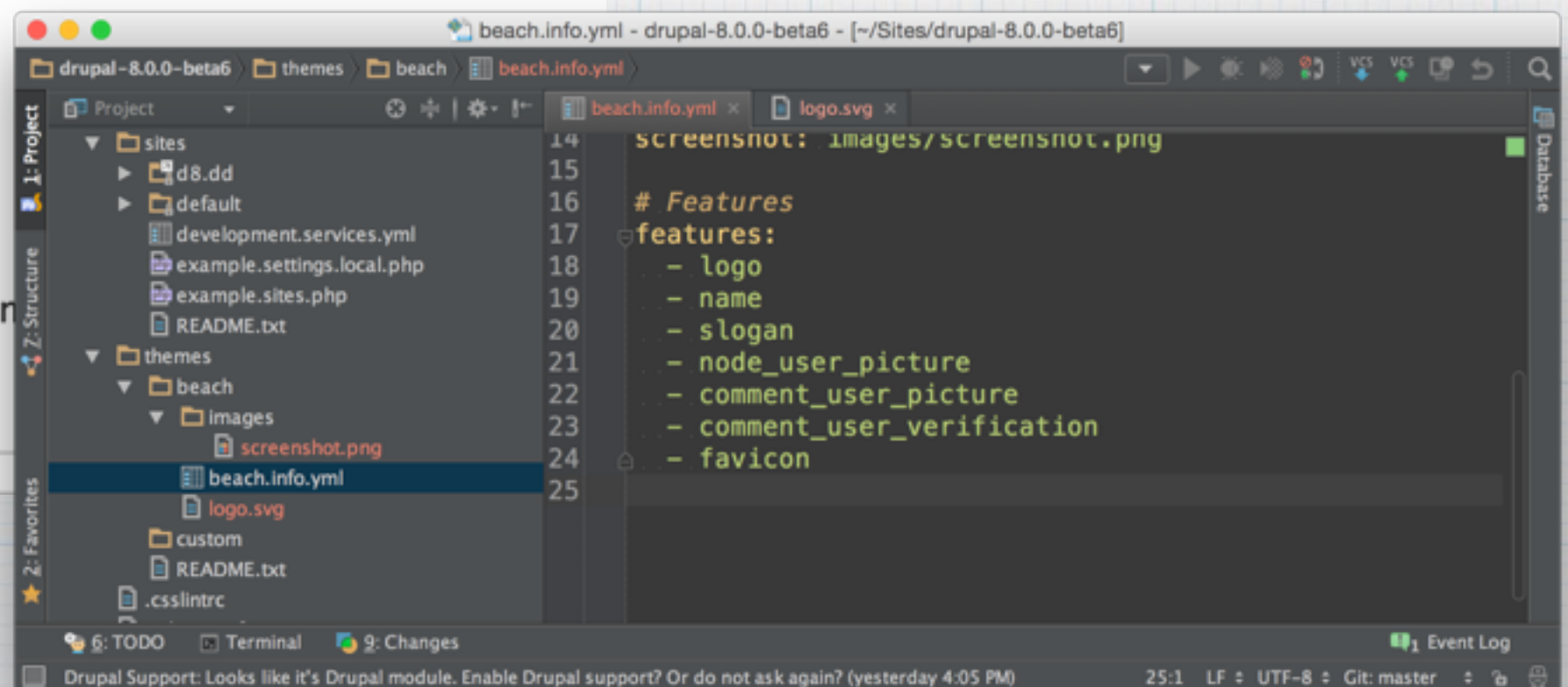
[Home](#) » [Administration](#) » [Appearance](#) » [Settings](#)

These options control the display settings for the *Beach theme* theme. When the theme is active, these settings will be used.

▼ TOGGLE DISPLAY

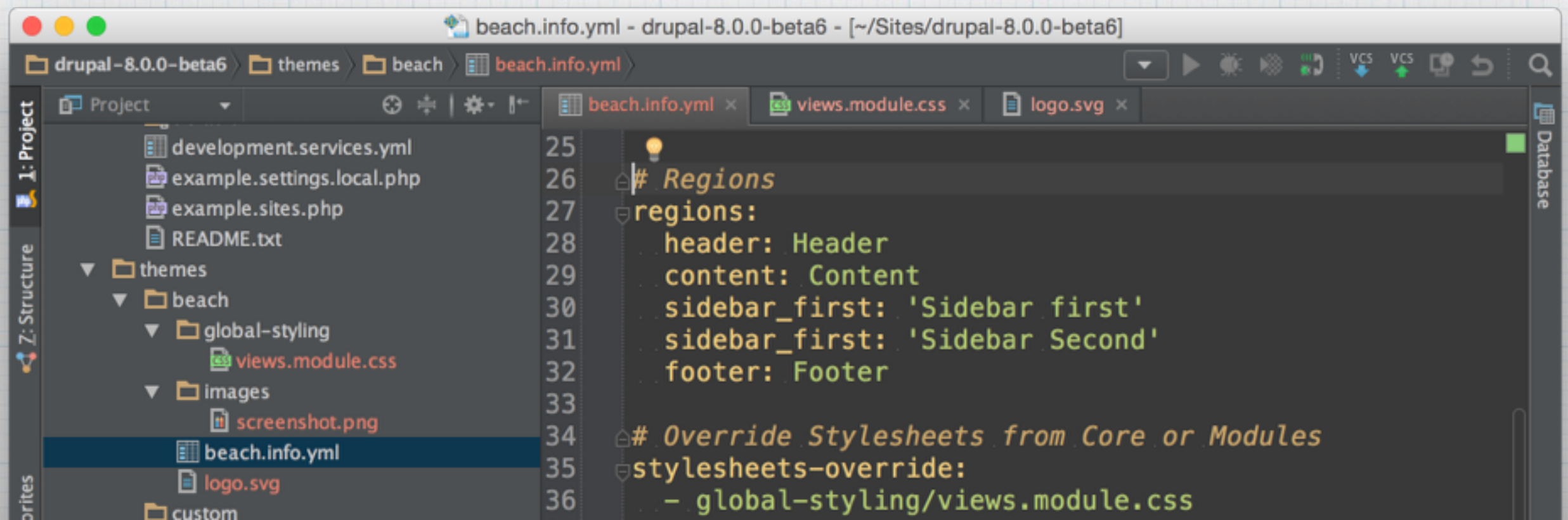
Enable or disable the display of certain page elements.

- ☒ Logo
- ☒ Site name
- ☒ Site slogan
- ☒ User pictures in posts
- ☒ User pictures in comments
- ☒ User verification status in comments
- ☒ Shortcut icon

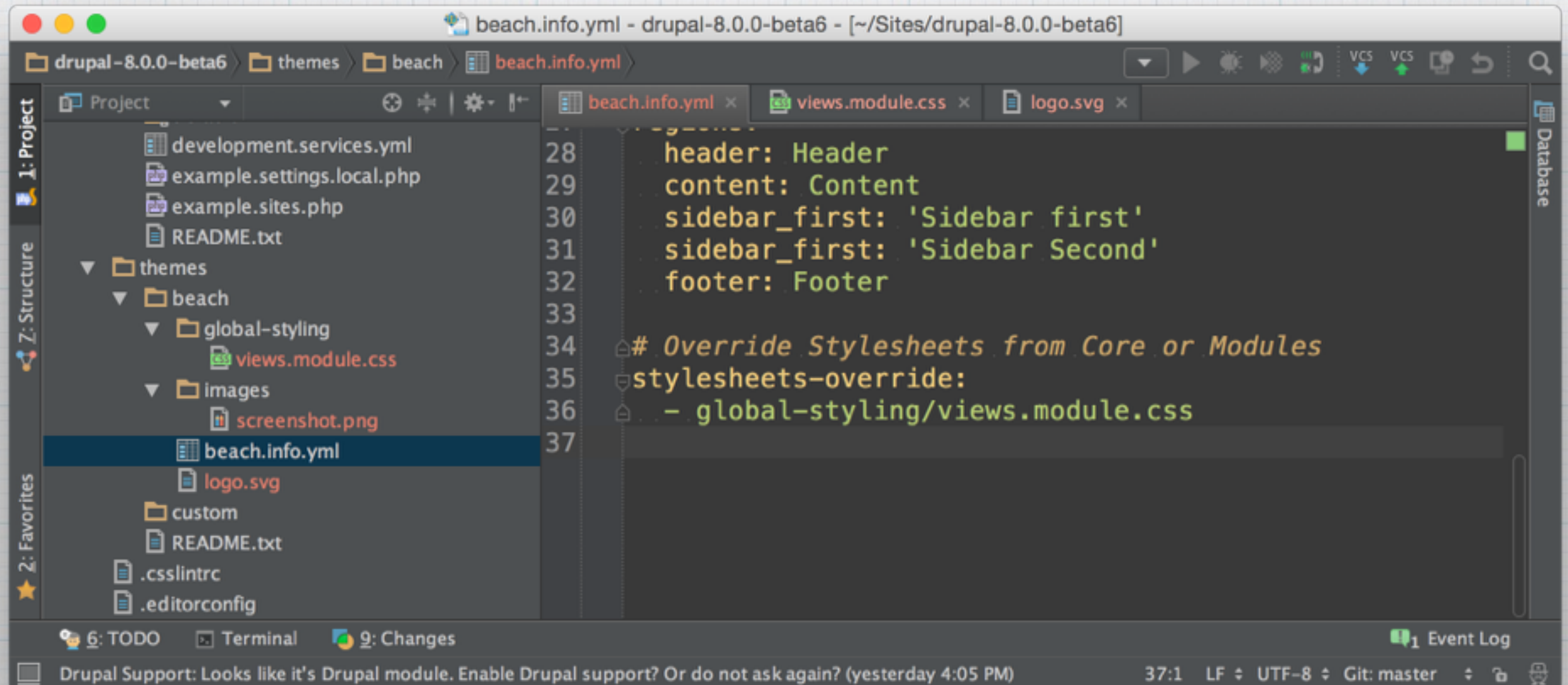


Regions

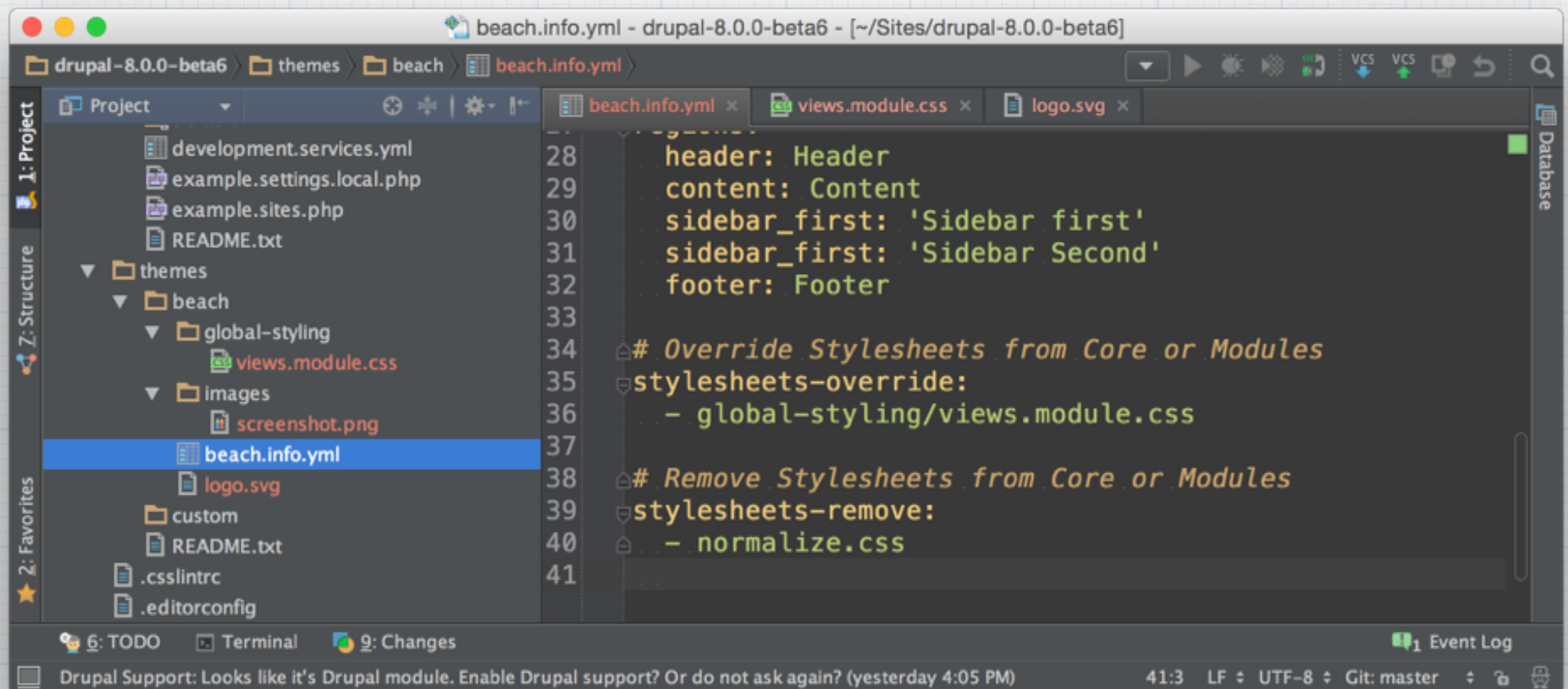
- Theme will work with no regions
- Declare regions in THEME.info.yml



Modify Core/Module CSS



Remove Core/Module CSS



~~Adding Stylesheets~~

Adding Libraries

- drupal.org/developing/api/8/assets

Adding stylesheets (CSS) and JavaScript (JS) to a Drupal 8 module

[View](#) [Edit](#) [Revisions](#)

Last updated December 18, 2014. Created on May 27, 2014.

Edited by [Wim Leers](#), [nod_](#), [dstorozhuk](#). You can [edit this page](#), too.

In Drupal 8, stylesheets (CSS) and JavaScript (JS) are loaded through the same system for modules (code) and themes, for everything: asset libraries. Asset libraries can contain one or more CSS assets, one or more JS assets and one or more JS settings.

Drupal uses a high-level principle: assets (CSS or JS) are still only loaded if you tell Drupal it should load them. Drupal does not load all assets (CSS/JS) on all pages, because this is bad for front-end performance.

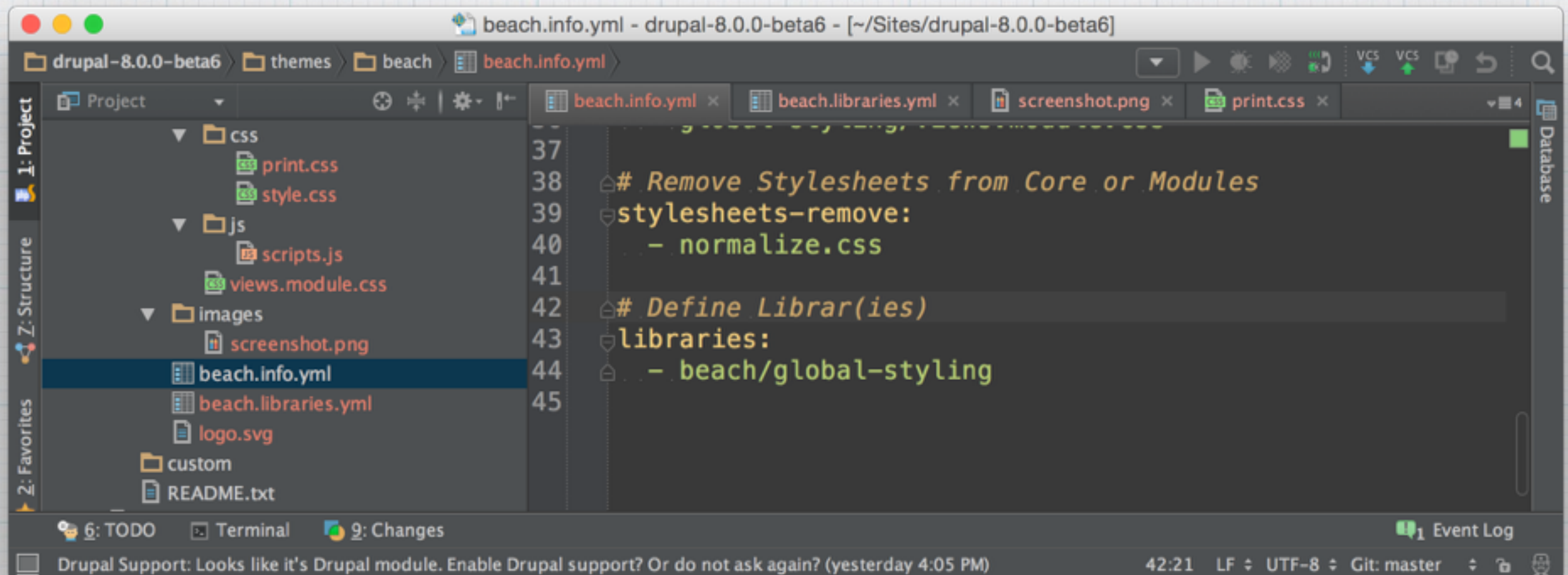
Differences compared to Drupal 7

There is one important difference compared to Drupal 7 for developers:

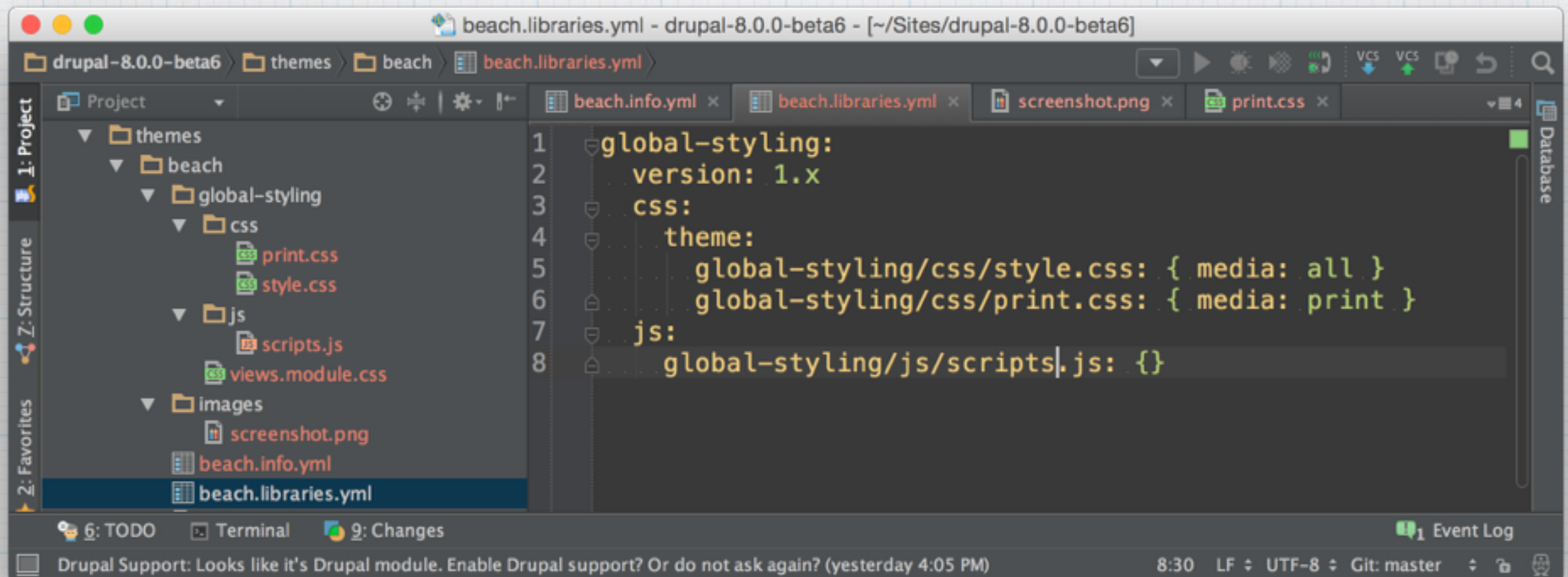
1. Only the JavaScript required on a particular page will be added to that page. In particular, by default Drupal

Declare Library

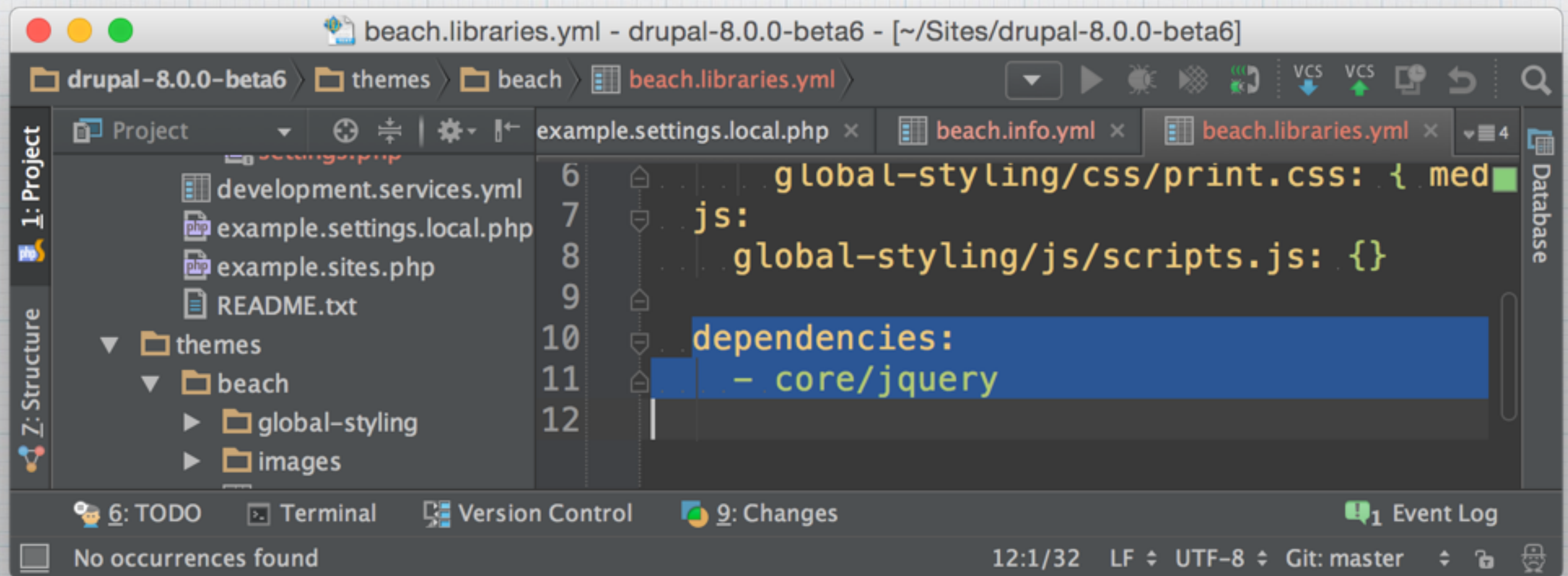
- Edit THEME.info.yml



Add CSS and JS



Optionally Include JQuery



Other Ways to include assets

- `hook_library_info_alter()`
(See api.drupal.org)
- ```
hook_preprocess_page(&$vars) {
 $vars['#attached']['library'][] =
 'path/to/library';
}
```

  
(See [drupal.org/theme-guide/8/assets](http://drupal.org/theme-guide/8/assets))

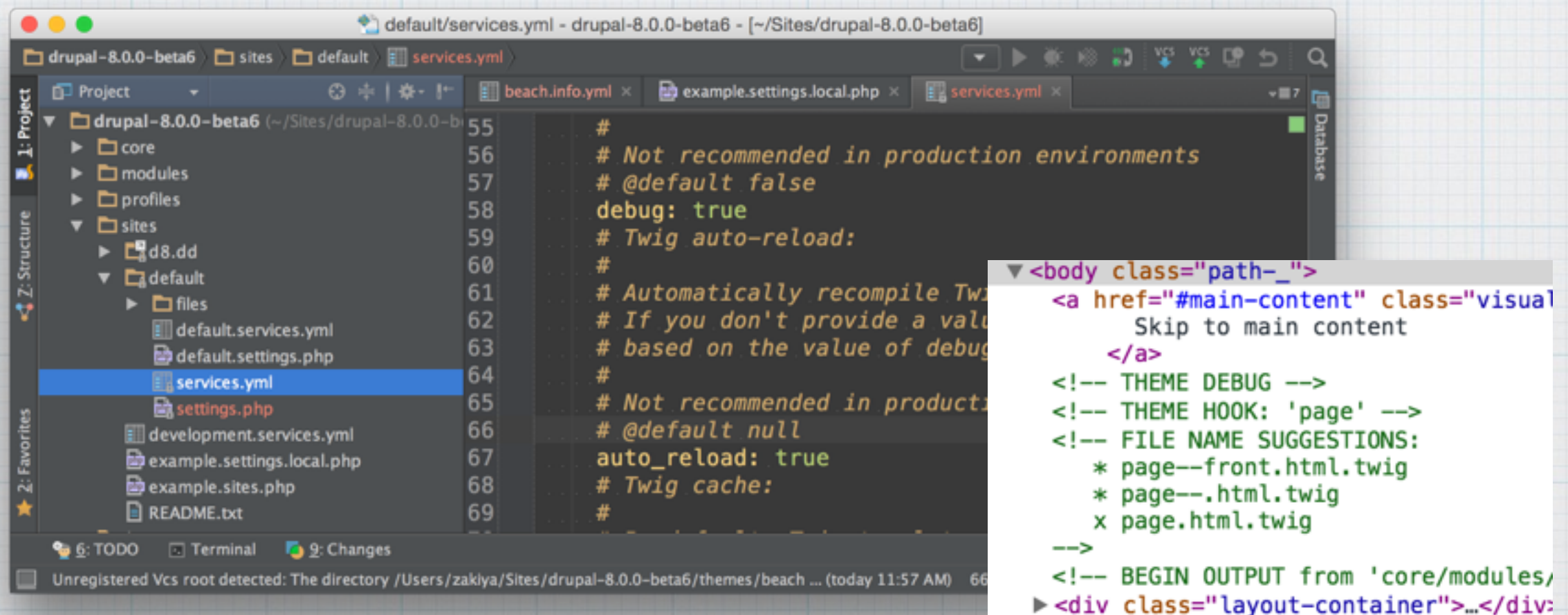


OMG its  
TWIG!!



# Twig Debug

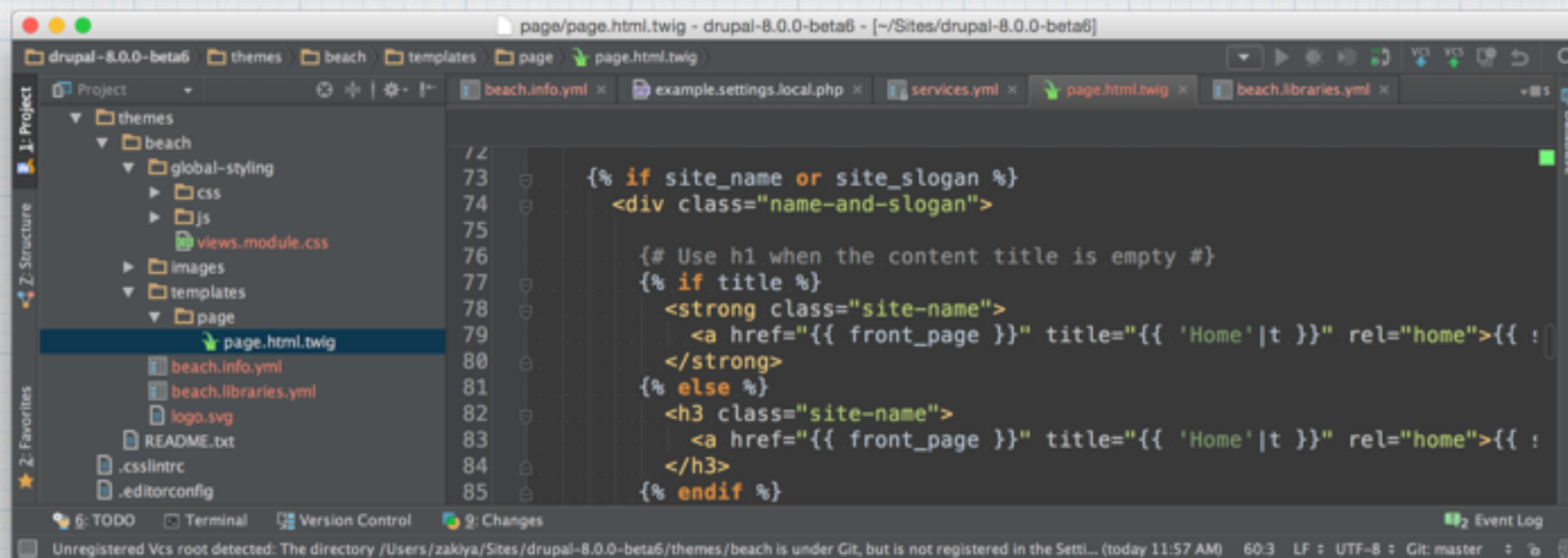
- Copy default.services.yml to services.yml and put it in the same folder as your settings.local.php





# Twig Templates

- 141 Twig templates\*
- To override, place in \*.html.twig in theme folder
- Don't forget to `drush cr`



\*\$ find path/to/core/modules -name \*.html.twig ! -path "\*test\*"



# Twig Code Basics

- To print

```
{{my_variable}}
```

- To comment

```
{# Drupaling b. #}
```

- To operate

```
{% if title %} ...
```



# Twig Code Extras

- Translate function

```
{{ 'Home' | t }}
```

- Check\_plain

```
{{ title|striptags }}
```

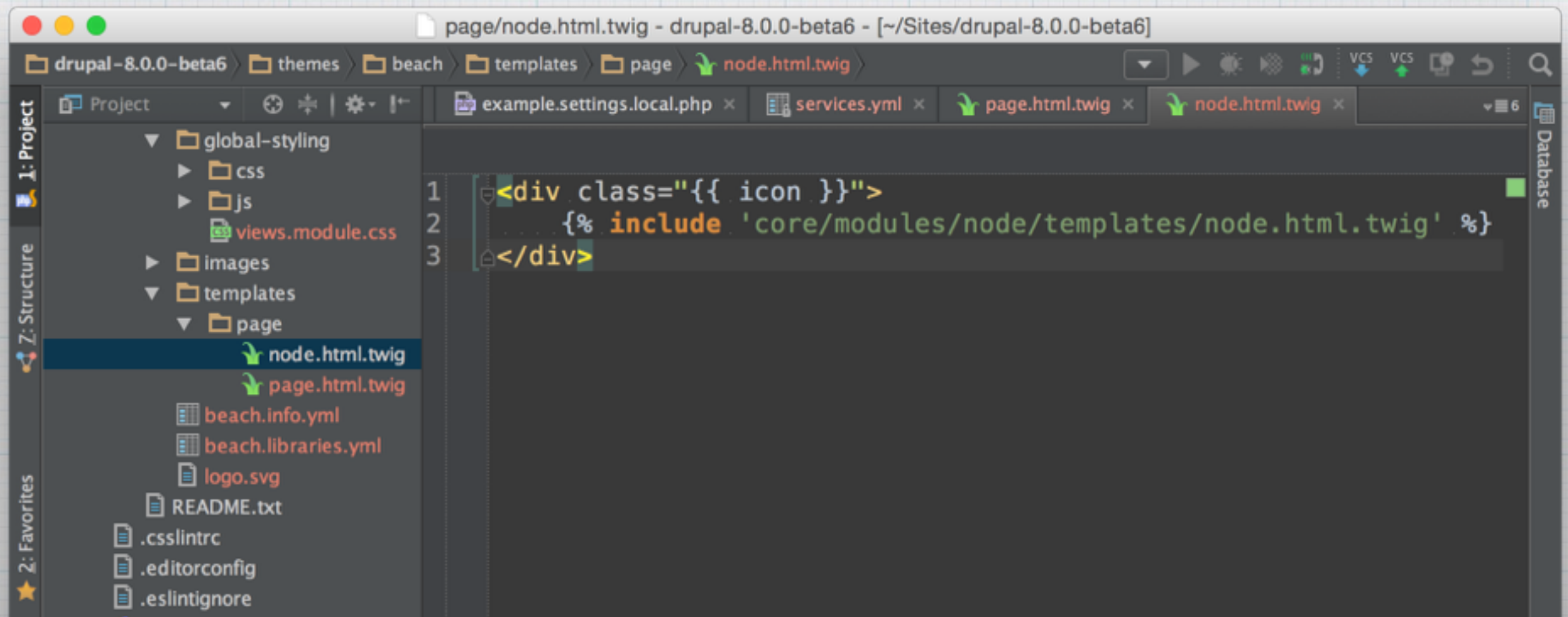
- See others at

- [undpaul.de/en/blog/2013/02/26/theming-drupal-8-twig-part-2](http://undpaul.de/en/blog/2013/02/26/theming-drupal-8-twig-part-2)
- [drupal.org/node/1918824](http://drupal.org/node/1918824)



# Twig Code Extras

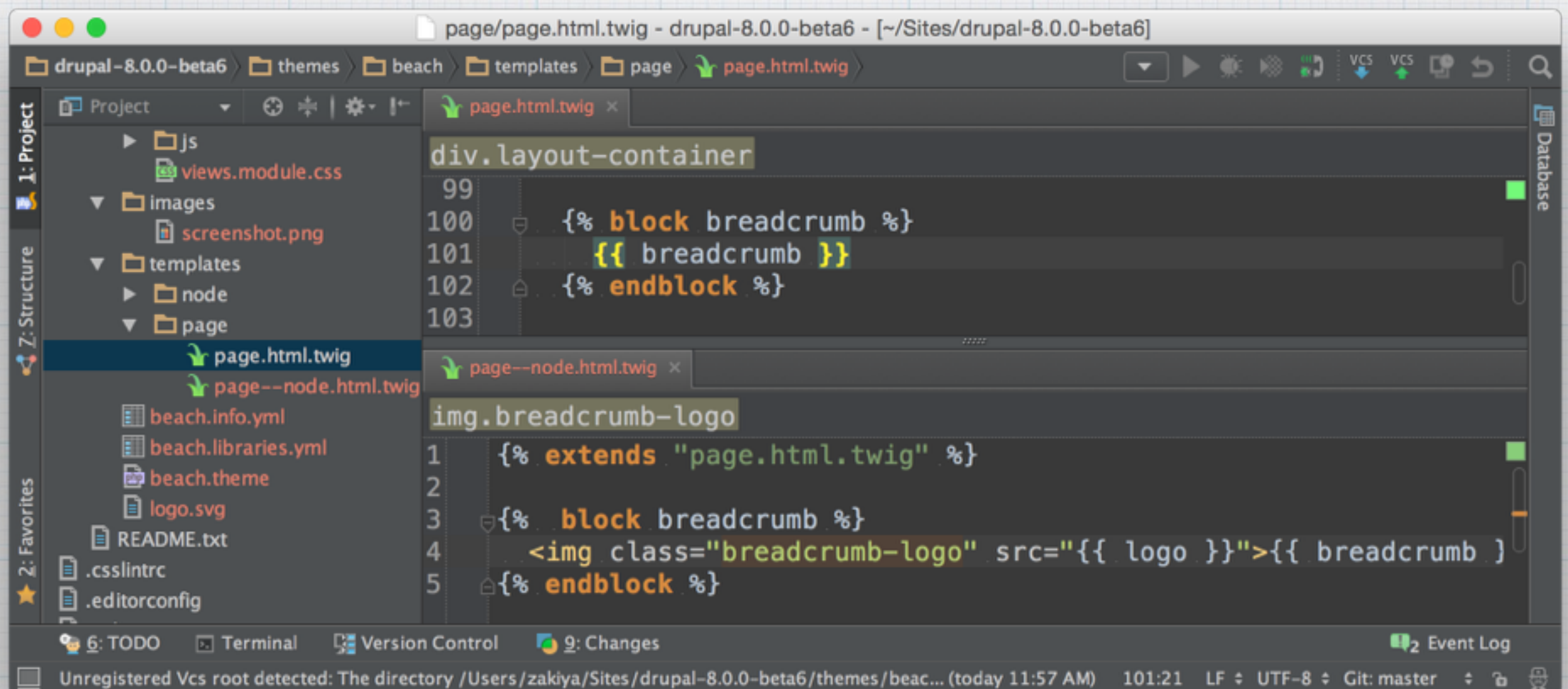
## Reuse Templates





# Twig Code Extras

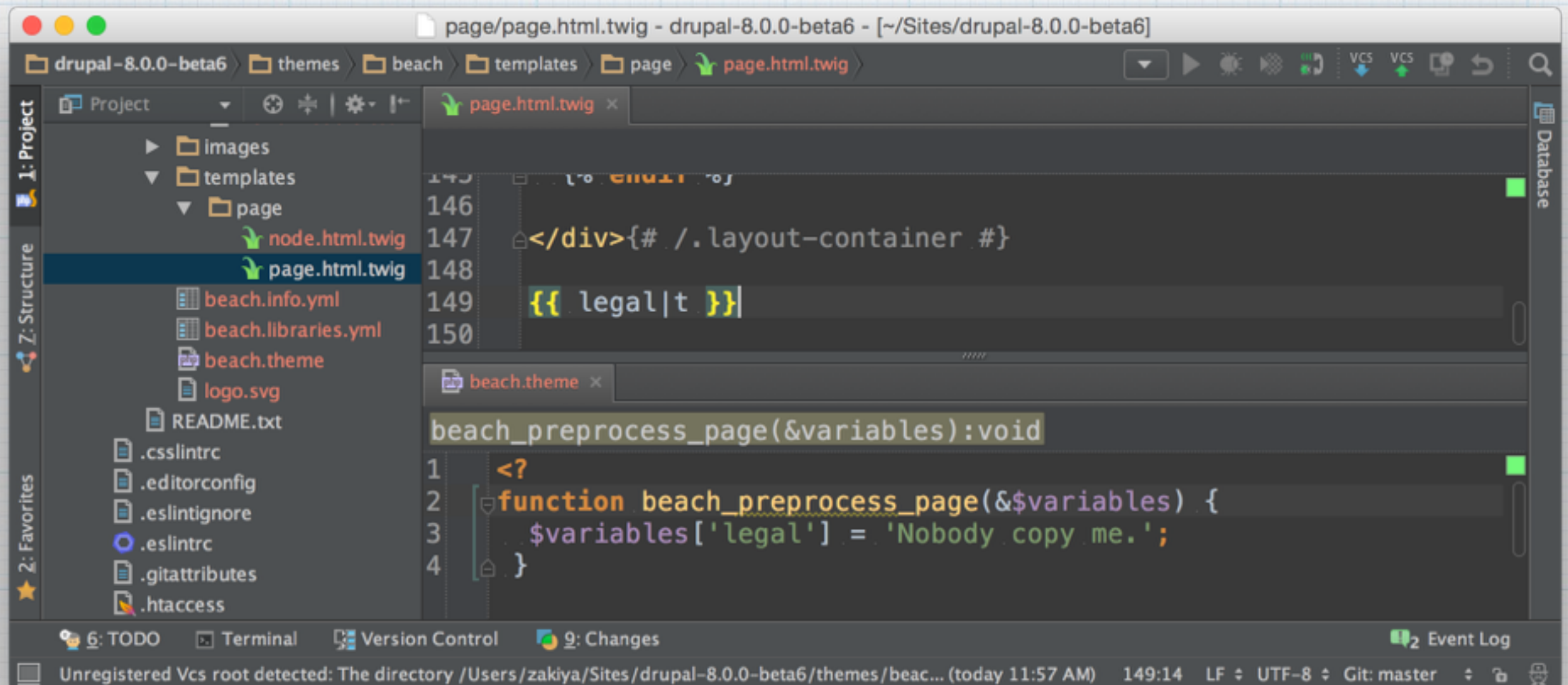
## Twig Blocks





# Twig Preprocess

- **THEME.theme** replaces **template.php**





# Twig {{dump}}\*

- {{ dump( ) }}
- {{ dump(my\_variable) }}
- [drupal.org/node/1906780](https://drupal.org/node/1906780)

\*Might get WSOD due to memory issues



# Kint



# Twig

# Documentation

- [twig.sensiolabs.org/documentation](https://twig.sensiolabs.org/documentation)



# Responsive

- breakpoints in core  
[drupal.org/documentation/modules/breakpoint](https://drupal.org/documentation/modules/breakpoint)
- THEME.breakpoints.yml
- picture in core



# Other things

- twigify - <https://www.drupal.org/project/twigify>
- Drupal settings for use in js
- Classy module
- Devel?
- No HOOK\_process



# Gimme feedback

**Zakiya Khabir**

[drupal.org/u/zakiya](https://drupal.org/u/zakiya)

[twitter.com/zakiyadesigns](https://twitter.com/zakiyadesigns)

[sandcamp.org/users/zakiya](https://sandcamp.org/users/zakiya)

**Code:**

[github.com/zakiya/d8-theming-camp-demo](https://github.com/zakiya/d8-theming-camp-demo)