Drupal 8 Theming

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Code:

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

Questions?

D7 < D8

Small Core Changes

- Views, Admin Menu, Breakpoints, Date, Entity Reference, Link, CKeditor, Migrate, Block Menus (light), Responsive Image, multilingual support, 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 Core Changes

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

D7 < D8

Gotchas

- `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

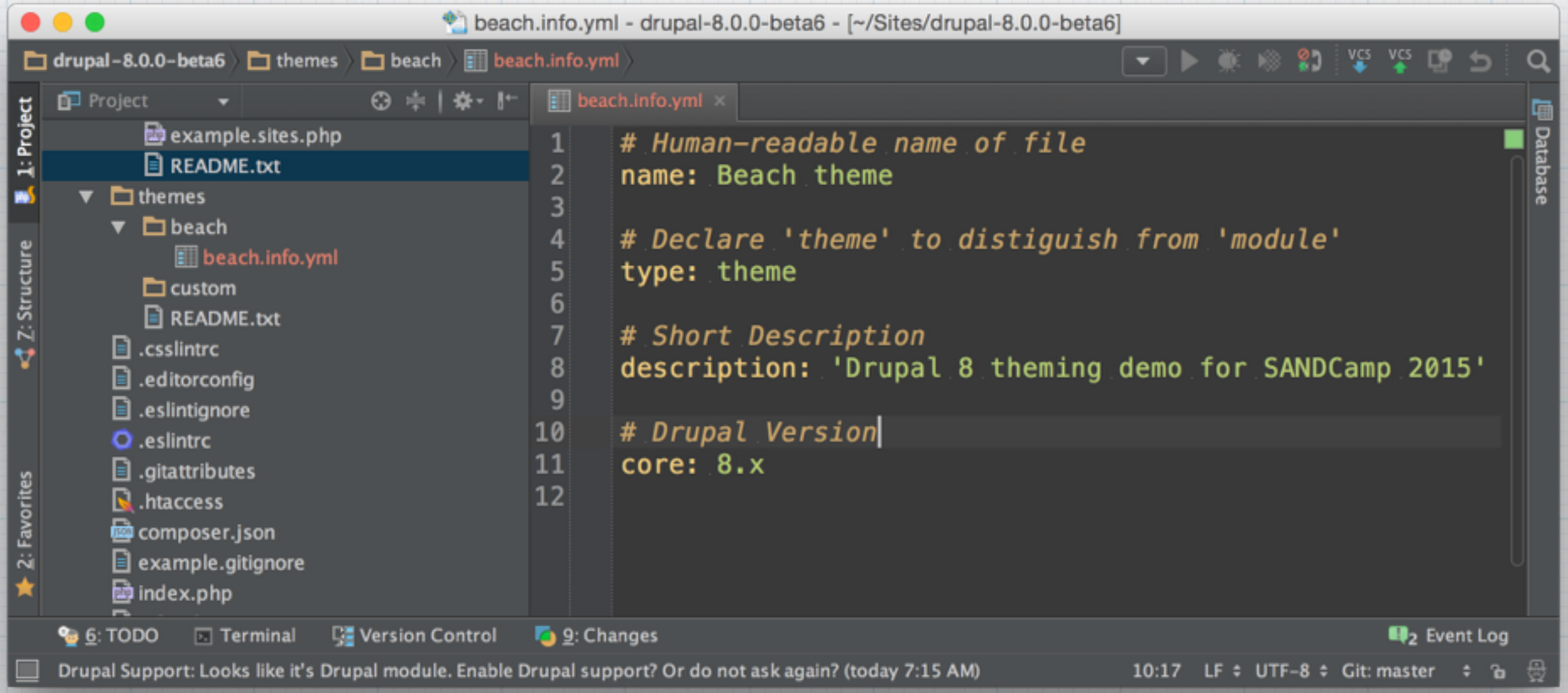
Performance Settings

- 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



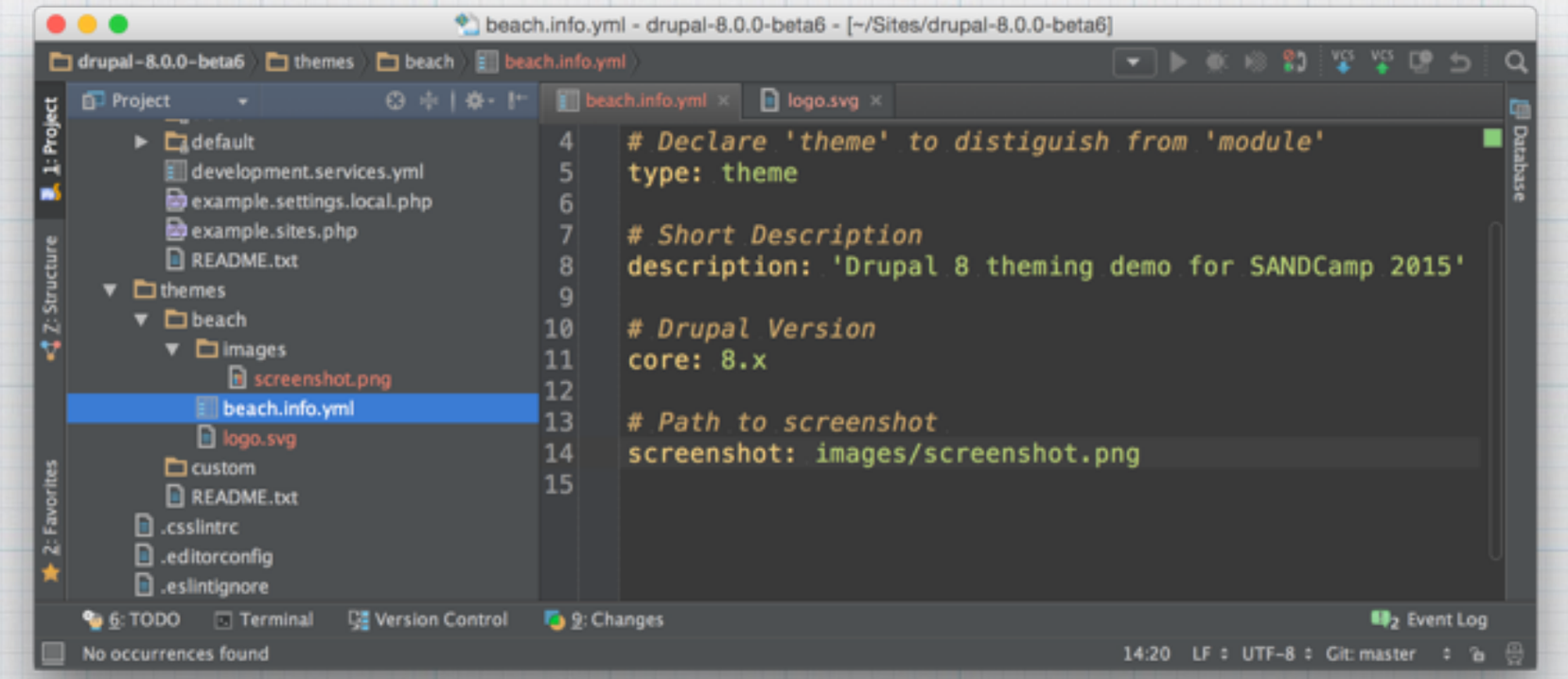
Basic Declarations

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

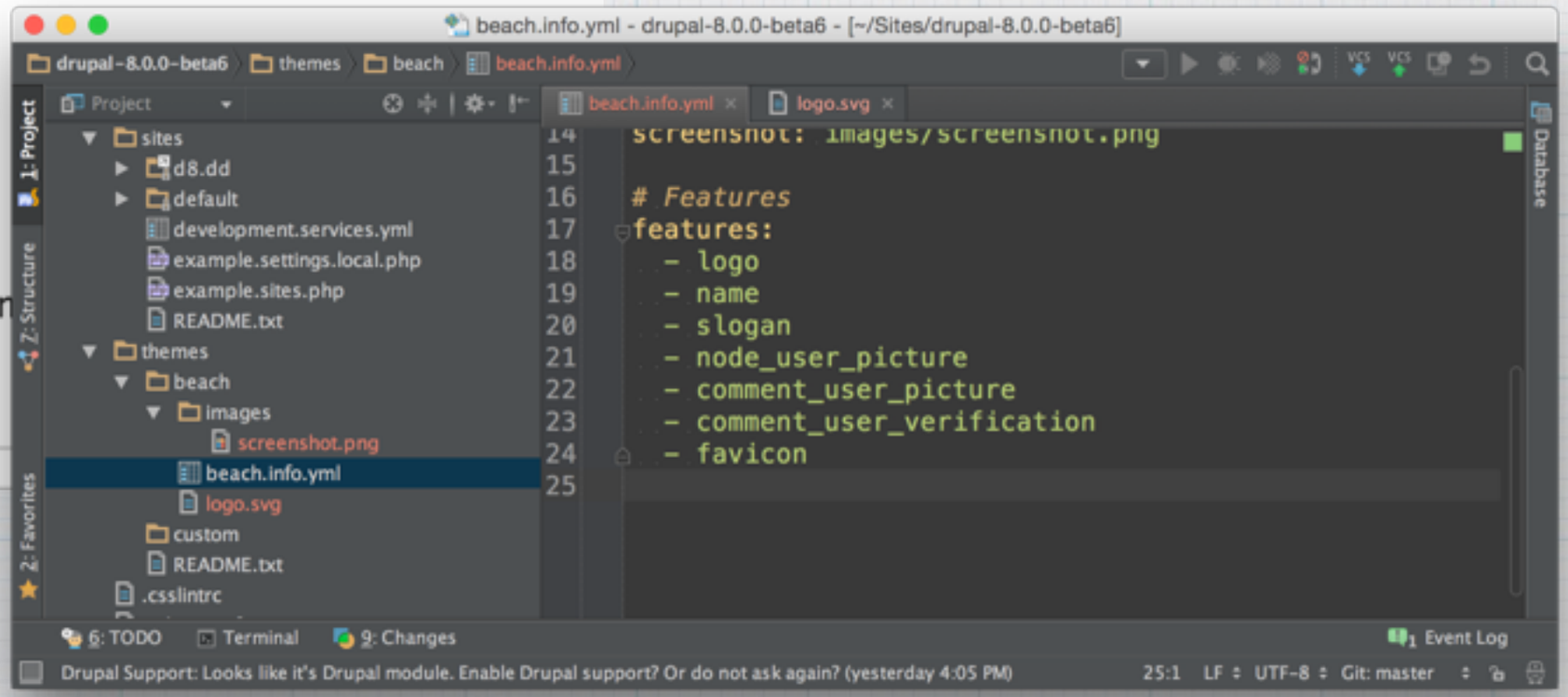
Home » Administration » Appearance » Settings

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

▼ TOGGLE DISPLAY

Enable or disable the display of certain page elements.

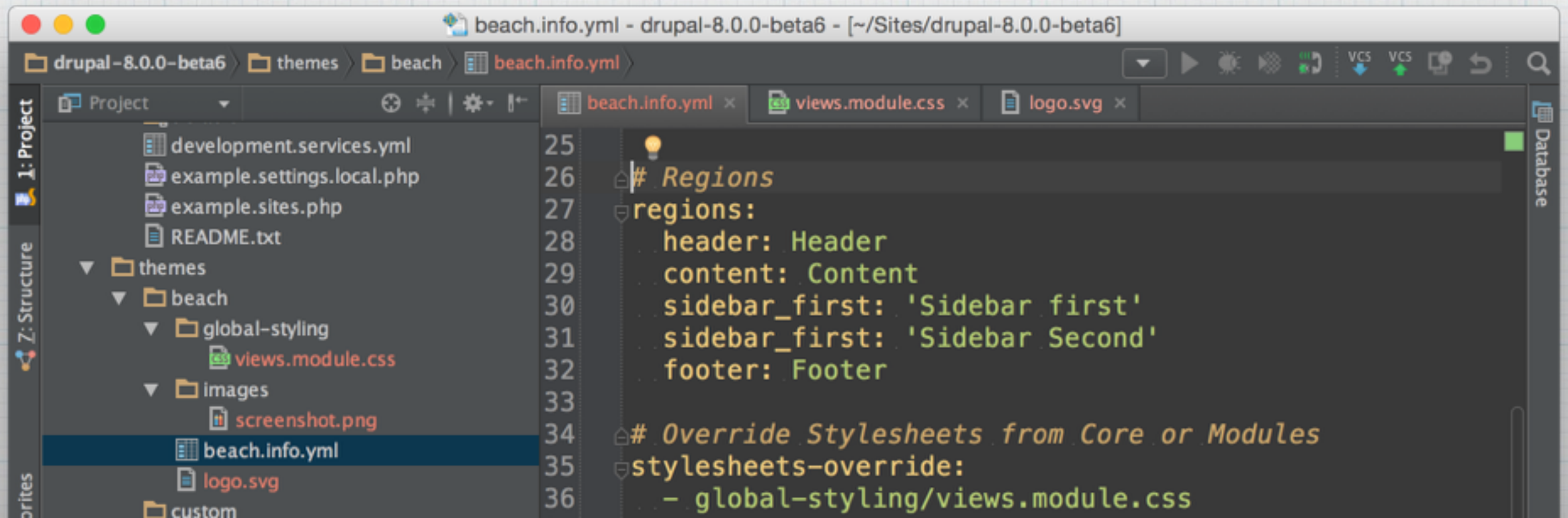
- [x] Logo
- [x] Site name
- [x] Site slogan
- [x] User pictures in posts
- [x] User pictures in comments
- [x] User verification status in con
- [x] Shortcut icon



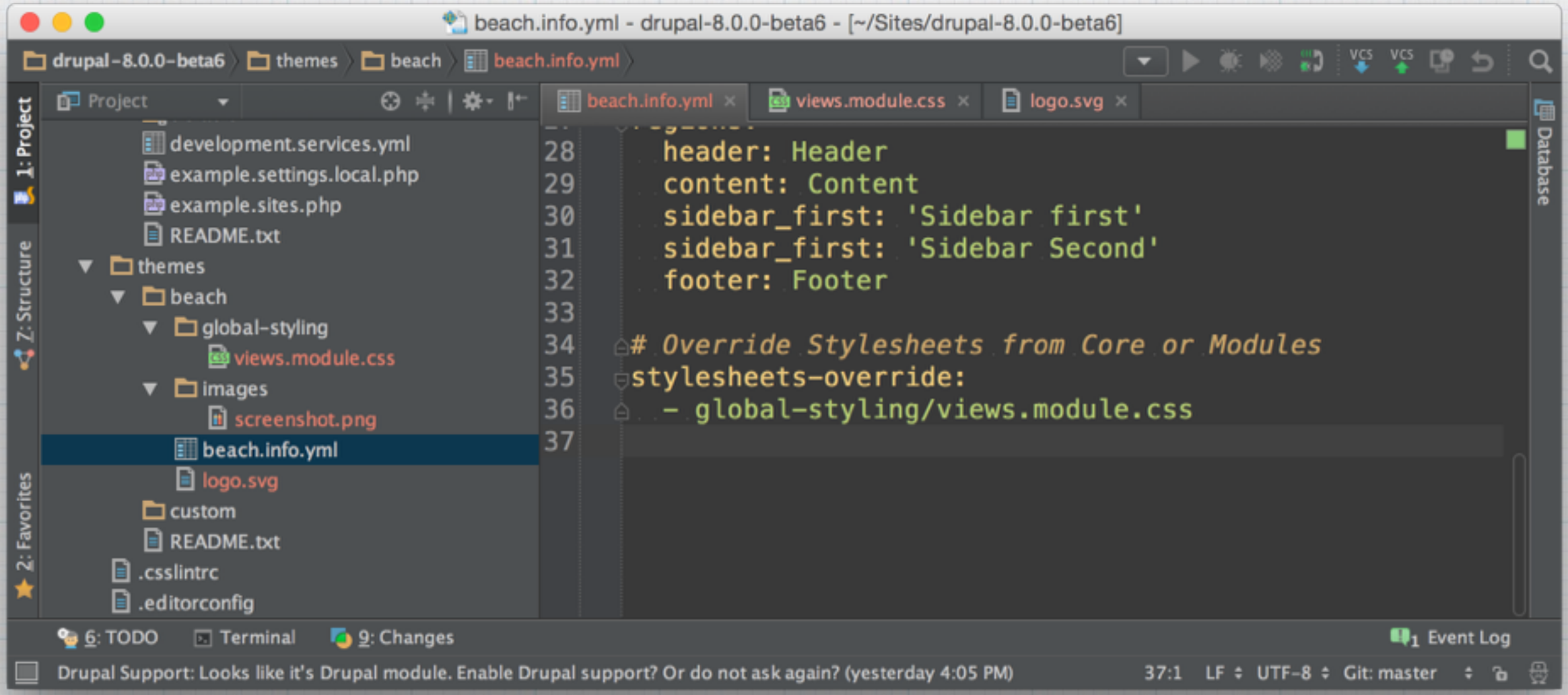
Regions

- Theme will work with no regions
- Declare regions in

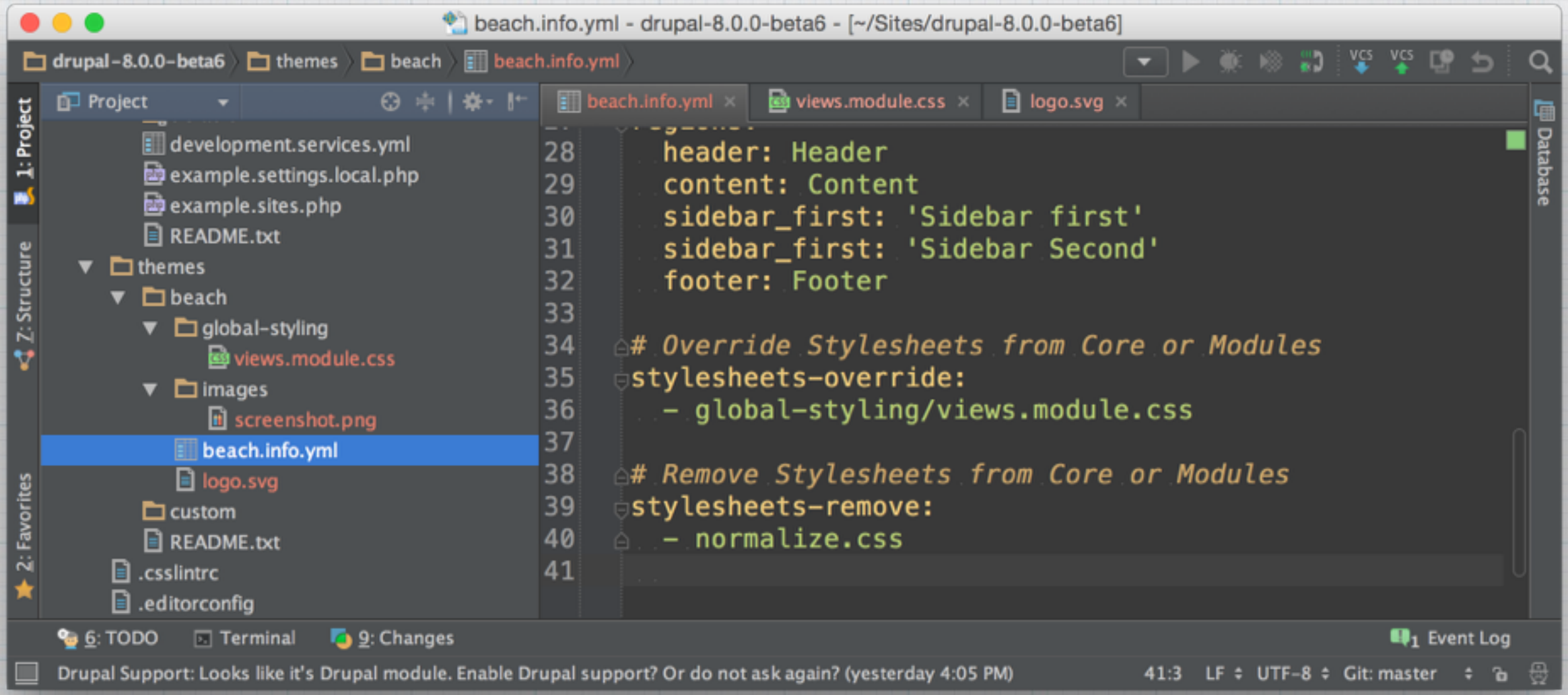
THEME.info.yml



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.

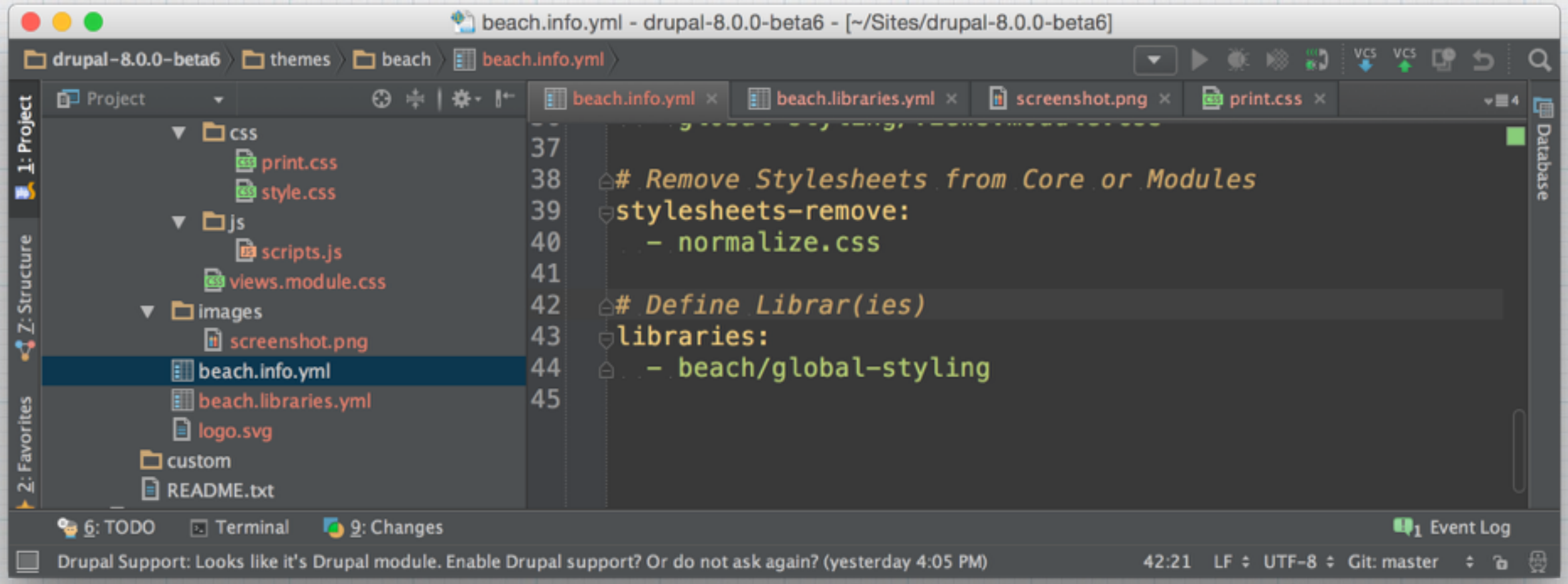
Differences compares to Drupal 7

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

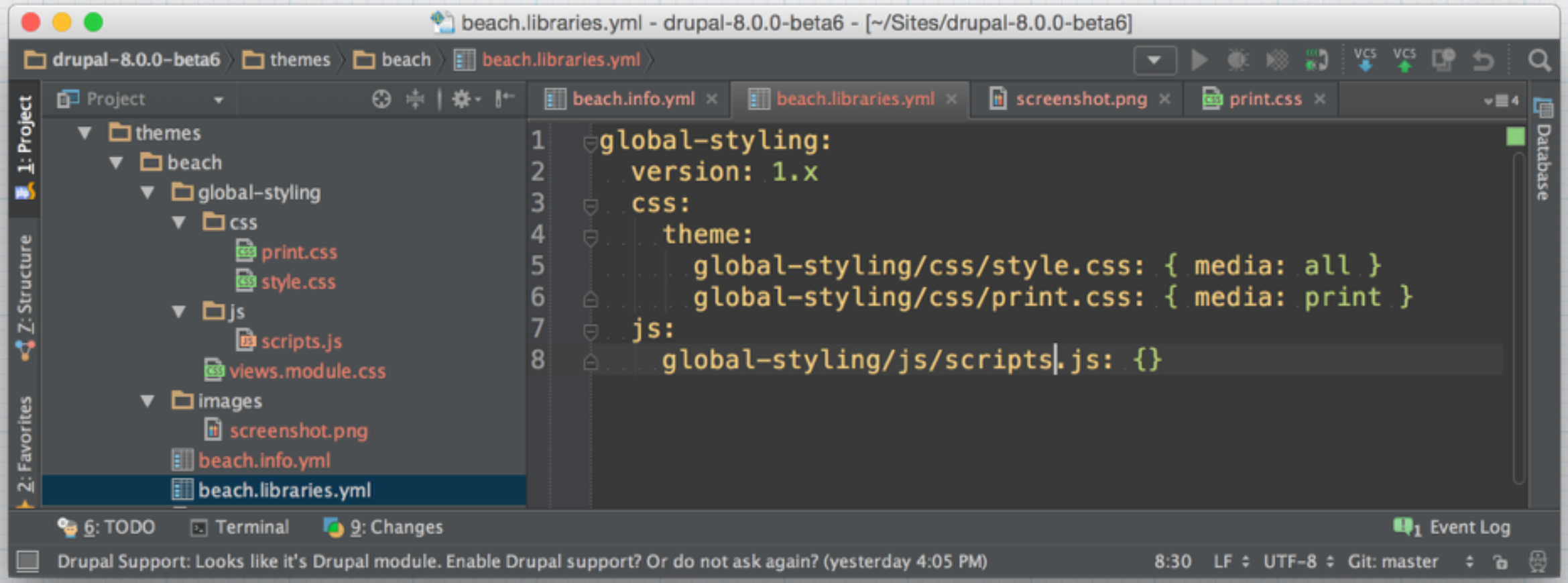
1. Only the JavaScript required on a particular page will be added to that page. In particular, by default Drupal

Declare Library

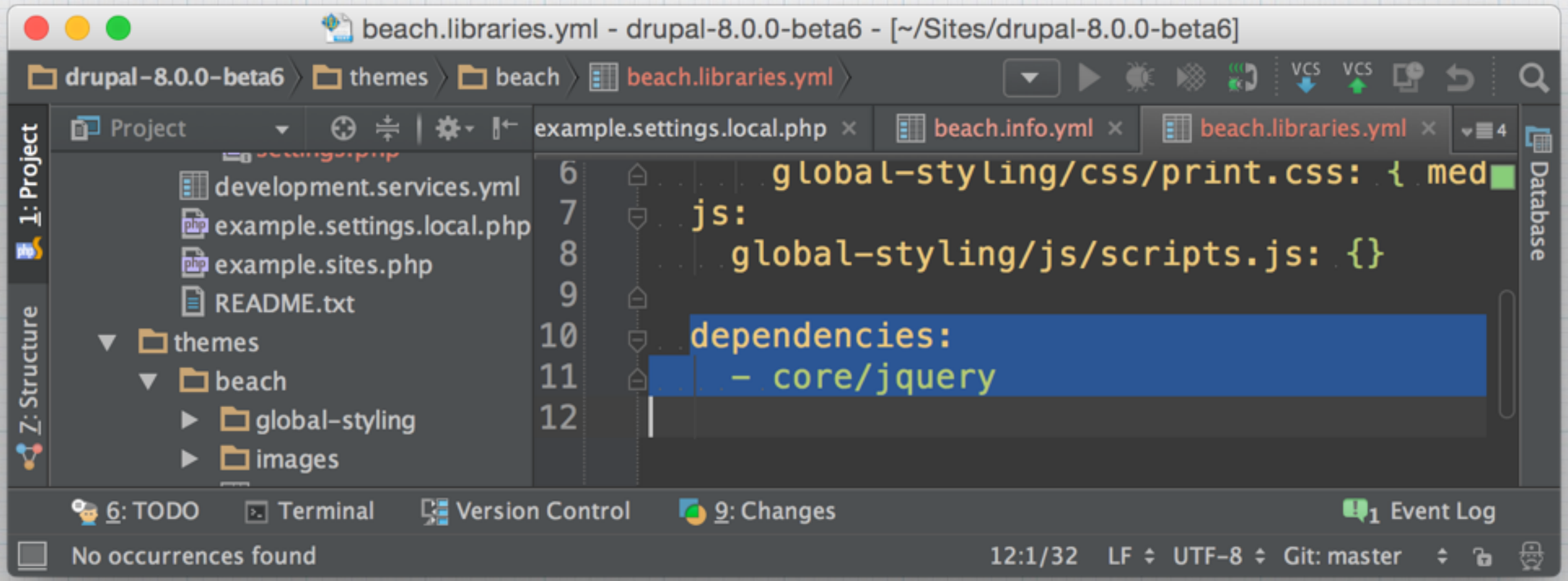
- Edit THEME.info.yml



Add CSS and JS



Optionally Include JQuery



Other Ways to include assets

- To versioning existing libraries:

```
hook_library_info_alter()
```

See: api.drupal.org

- To add assets conditionally:

```
hook_preprocess_page(&$vars) {
  $vars['#attached']['library'][] = 'core/modernizr';
}
```

- OR

```
hook_page_attachments_alter(&$page) {
 if ($conditions) {
   $page['#attached']['library'][] = ‘core/jquery';
}
```

See: drupal.org/theme-guide/8/assets

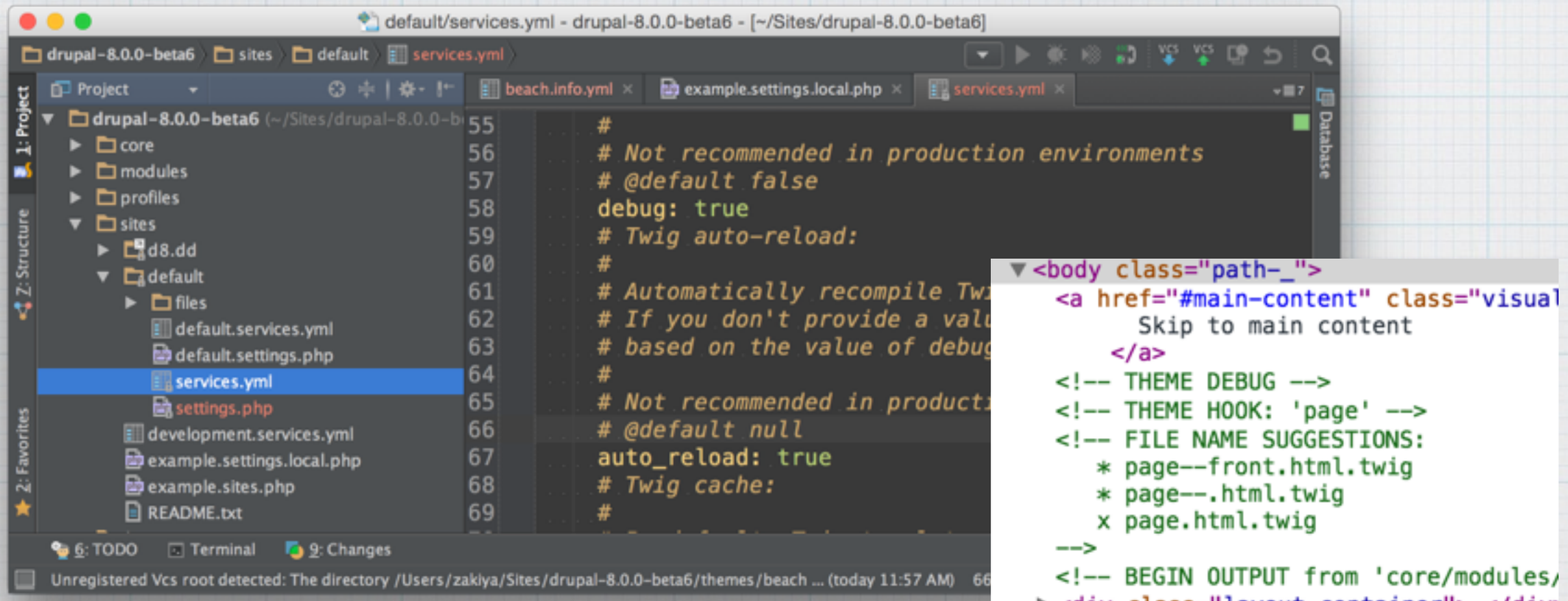
Twig Time

Why Twig

- Secure
- Separate business logic from display
- Faster, smarter templating engine
- Supported/used beyond Drupal

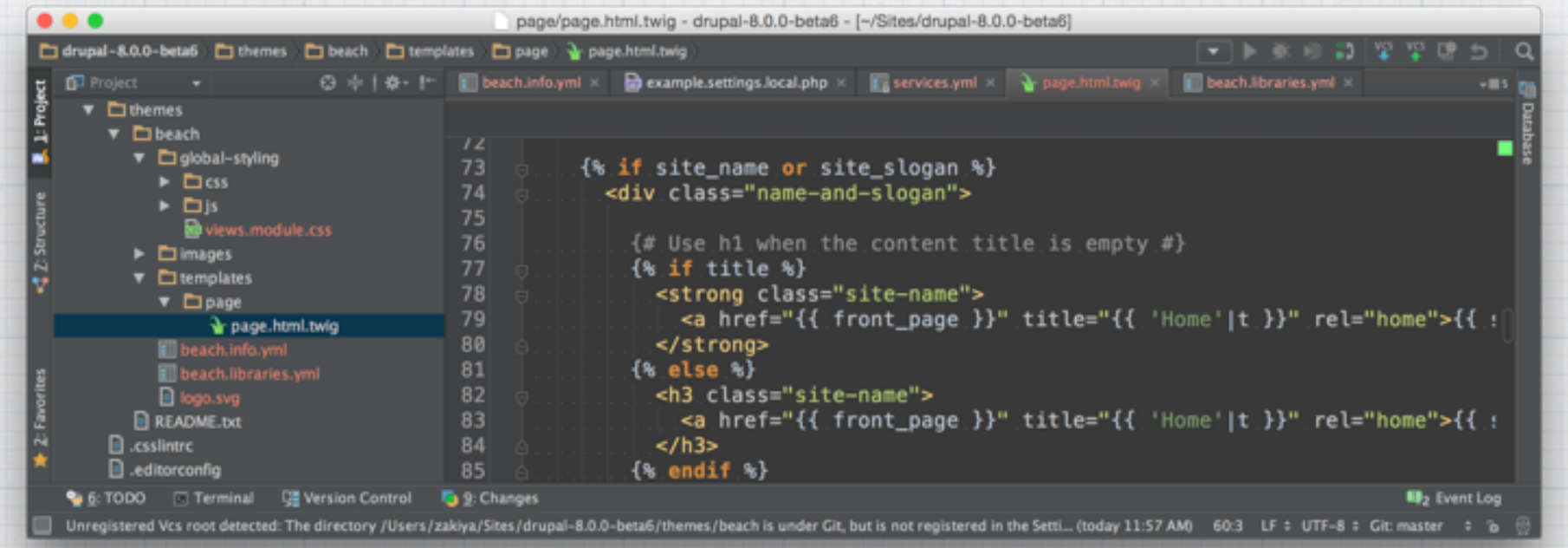
Twig Debug

- Change twig.config: debug: true in services.yml



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 (filter)

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

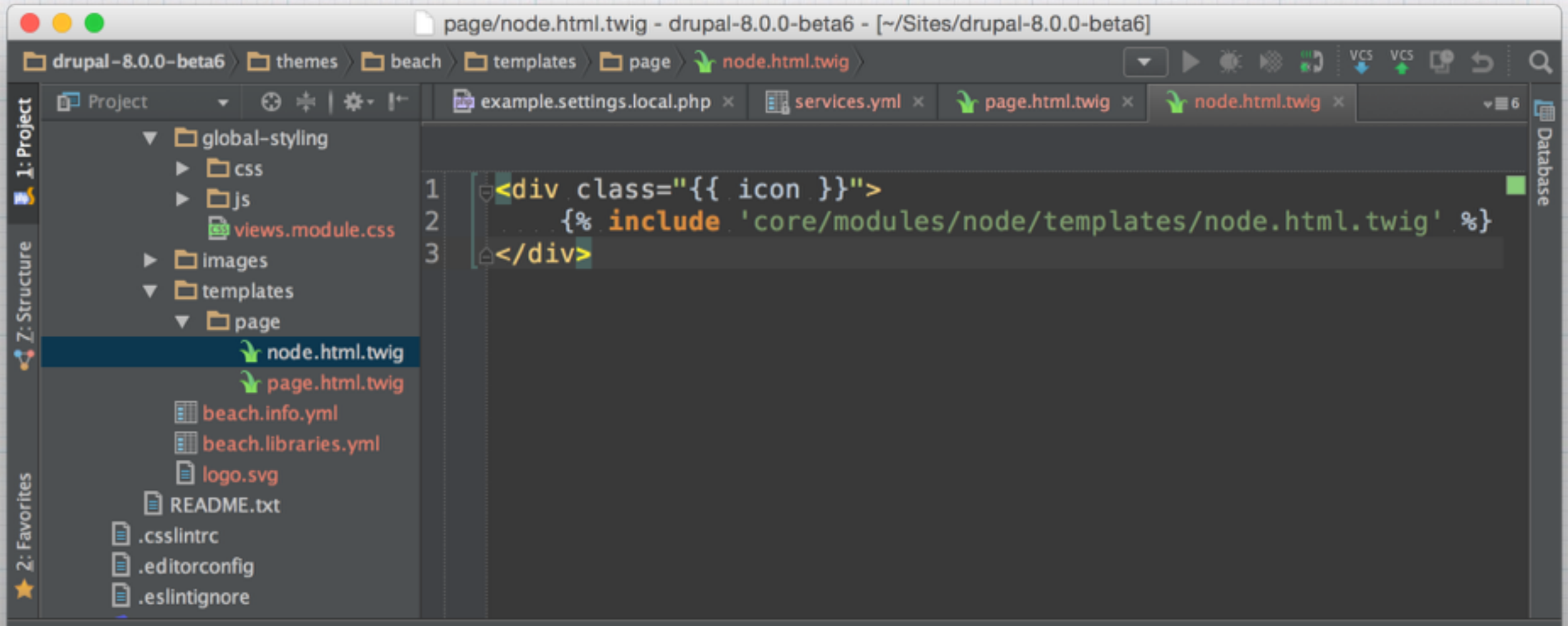
- Check_plain

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

- See others at
  - undpaul.de/en/blog/2013/02/26/theming-drupal-8-twig-part-2
  - drupal.org/node/1918824

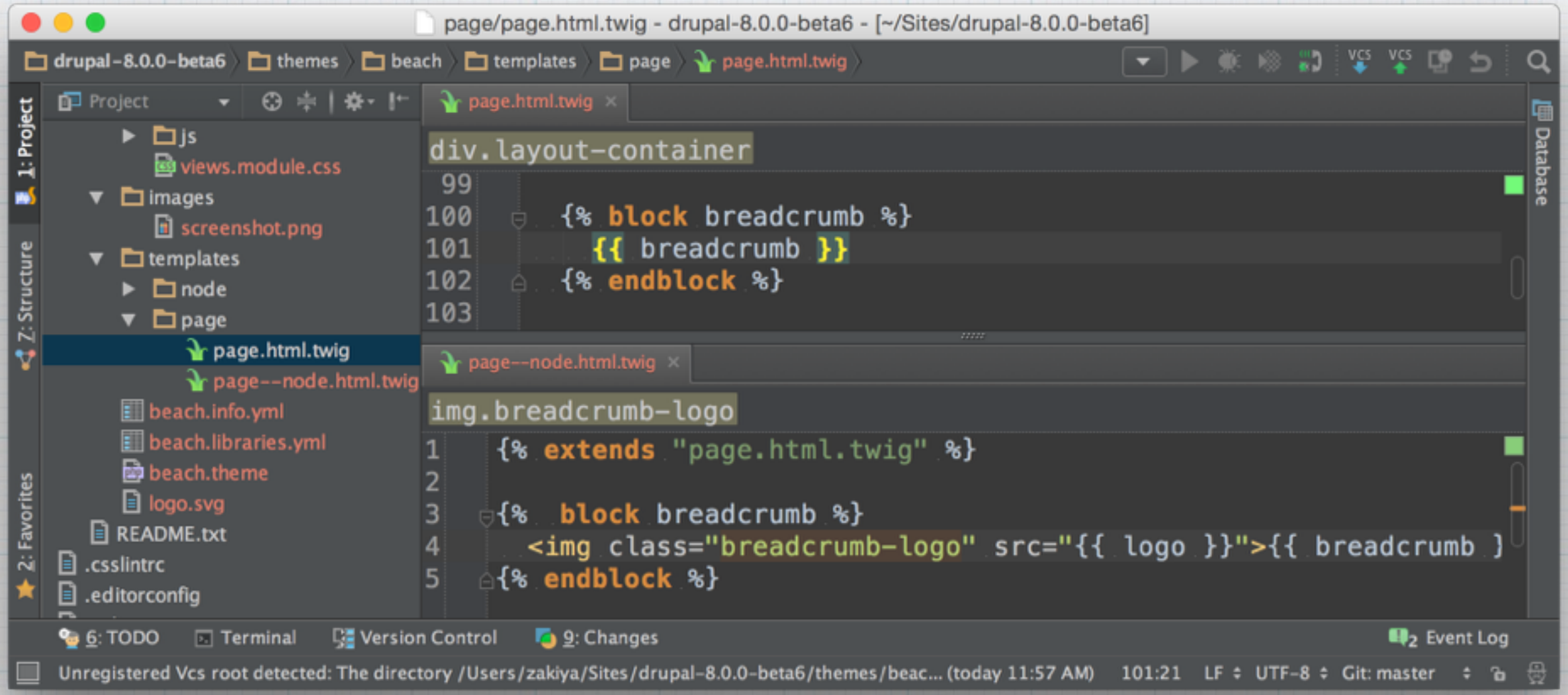
Twig Code Extras

Reuse Templates



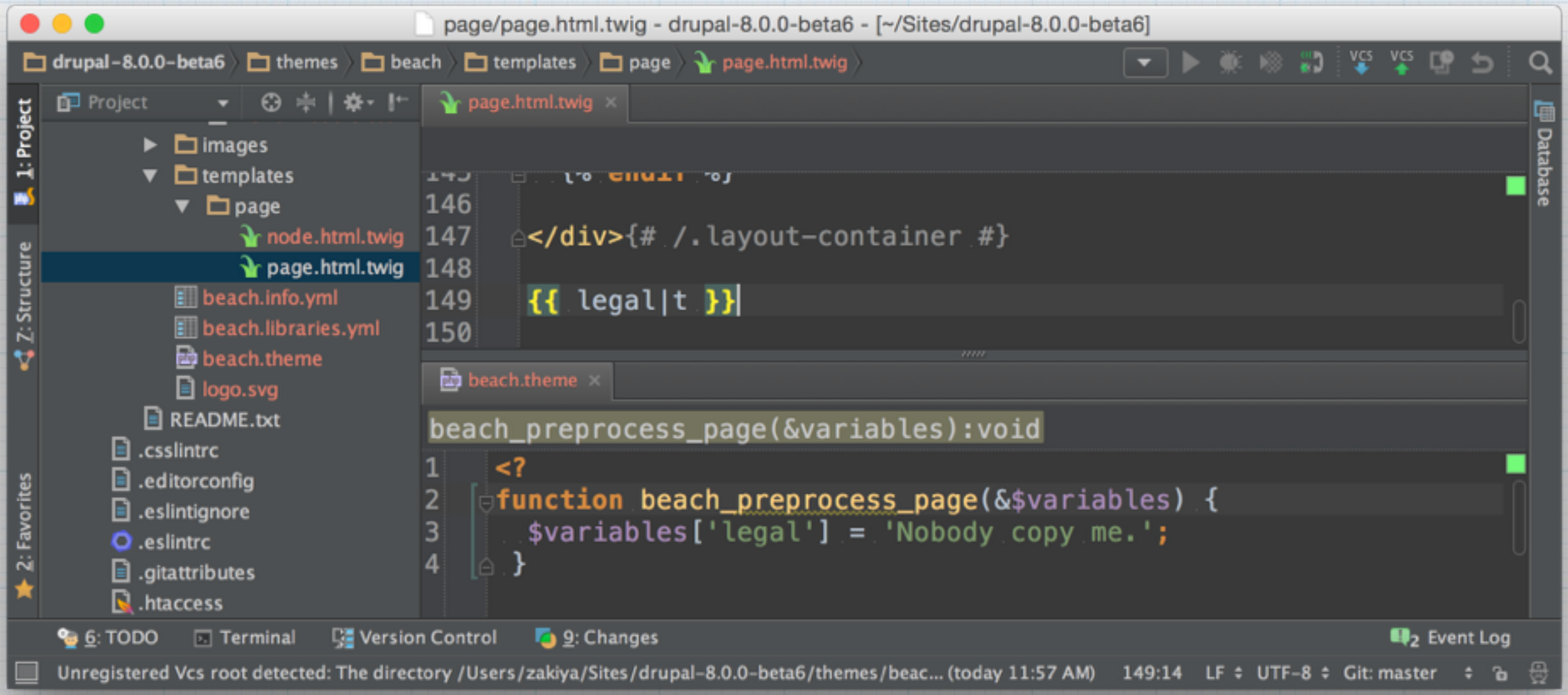
Twig Code Extras

Twig Blocks



Twig Preprocess

- THEME.theme replaces template.php



Twig {{dump}}*

- `{{ dump() }}`
- `{{ dump(my_variable) }}`
- drupal.org/node/1906780

*Might get WSOD due to memory issues

Devel + Kint

Twig Documentation

- twig.sensiolabs.org/documentation

Responsive

- breakpoints in core drupal.org/documentation/modules/breakpoint
- THEME.breakpoints.yml
- picture in core

Other things

- Drupal settings for use in js
- Classy module
- Initialize Image Style Settings in theme https://www.drupal.org/node/2356753
- No HOOK_process

Gimme feedback

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