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

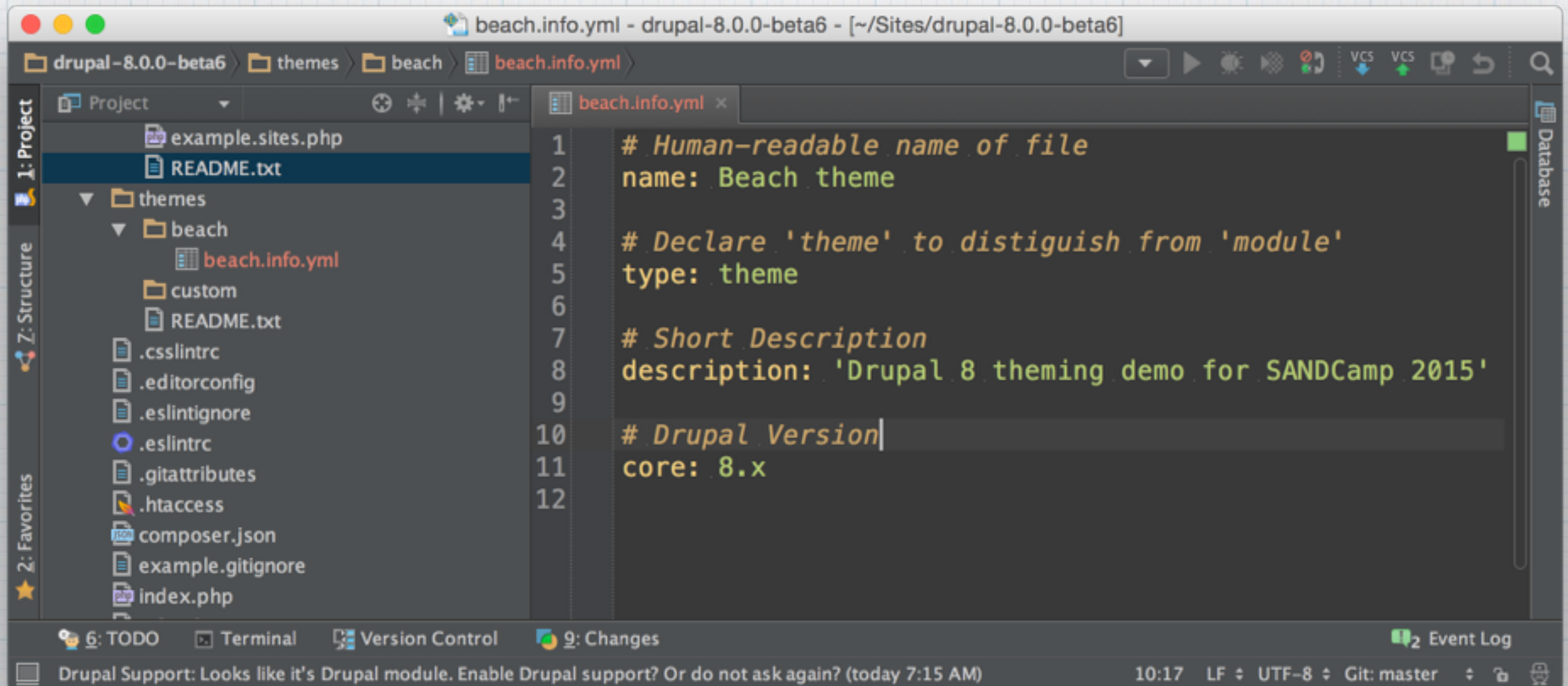- Download and install on your favorite _AMP stack

Local Dev Setup
Performance Settings

- By default css, js and html are cached

- Disable caching through UI at <u>/config/development/ performance</u>

- Or

- Copy <u>sites/example.settings.local.php</u> to settings.local.php
  - See <u>/sites/example.settings.local.php</u>)
  - Uncomment these lines in <u>/default/settings.php</u> :
    ```
    if (file_exists(__DIR__ . 'settings.local.php'))
    { include __DIR__ . '/settings.local.php'; }
    ```
  - drush cr when done!

THEME.info.yml


```yaml
# Human-readable name of file
name: Beach theme

# Declare 'theme' to distiguish from 'module'
type: theme

# Short Description
description: 'Drupal 8 theming demo for SANDCamp 2015'


# Drupal Version
core: 8.x
```
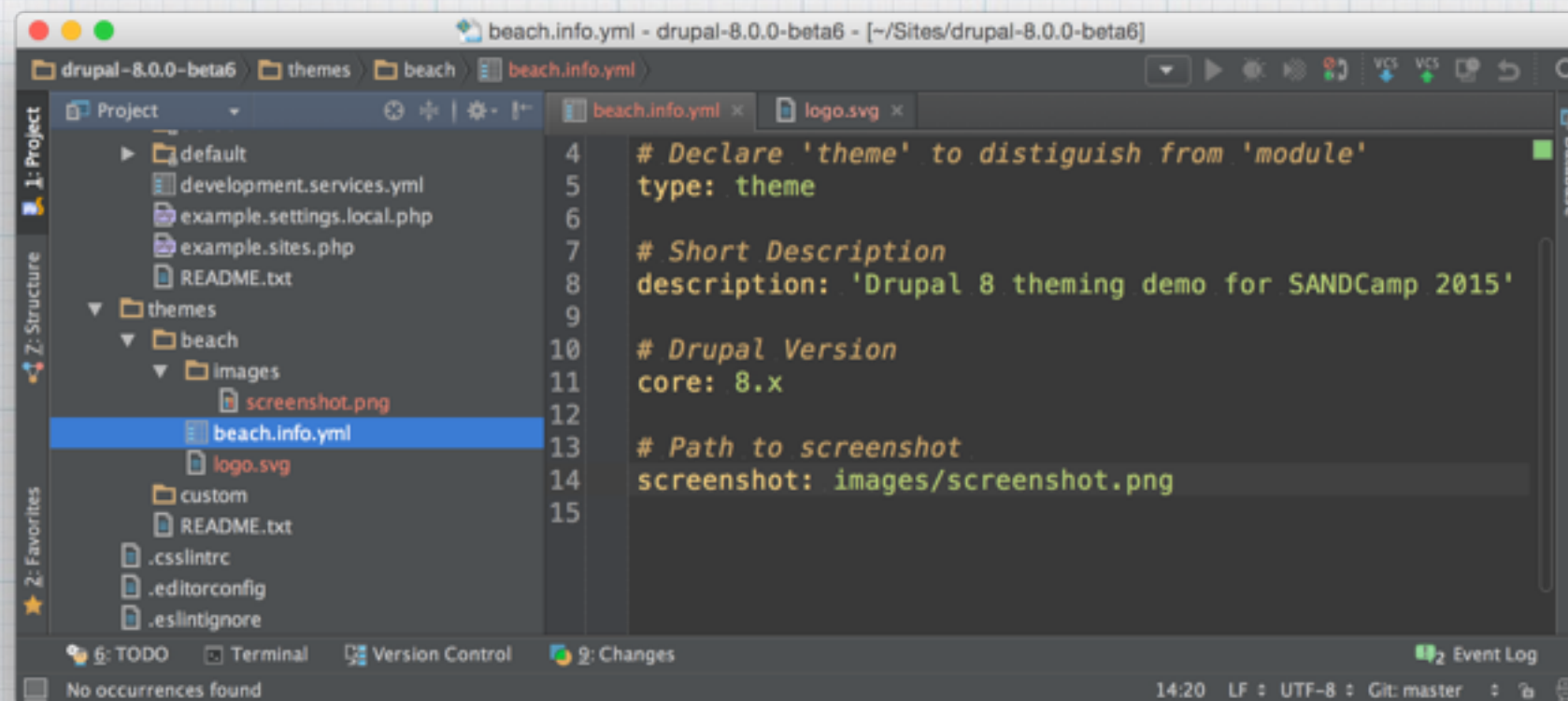
Basic Declarations

Logo

- If logo is called <u>logo.svg</u> and put in root folder Drupal will auto-detect

- <u>logo.png</u> or <u>logo.gif</u> can be added via Drupal UI

Screenshot

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

Declare Base Theme

```
base theme: classy
```
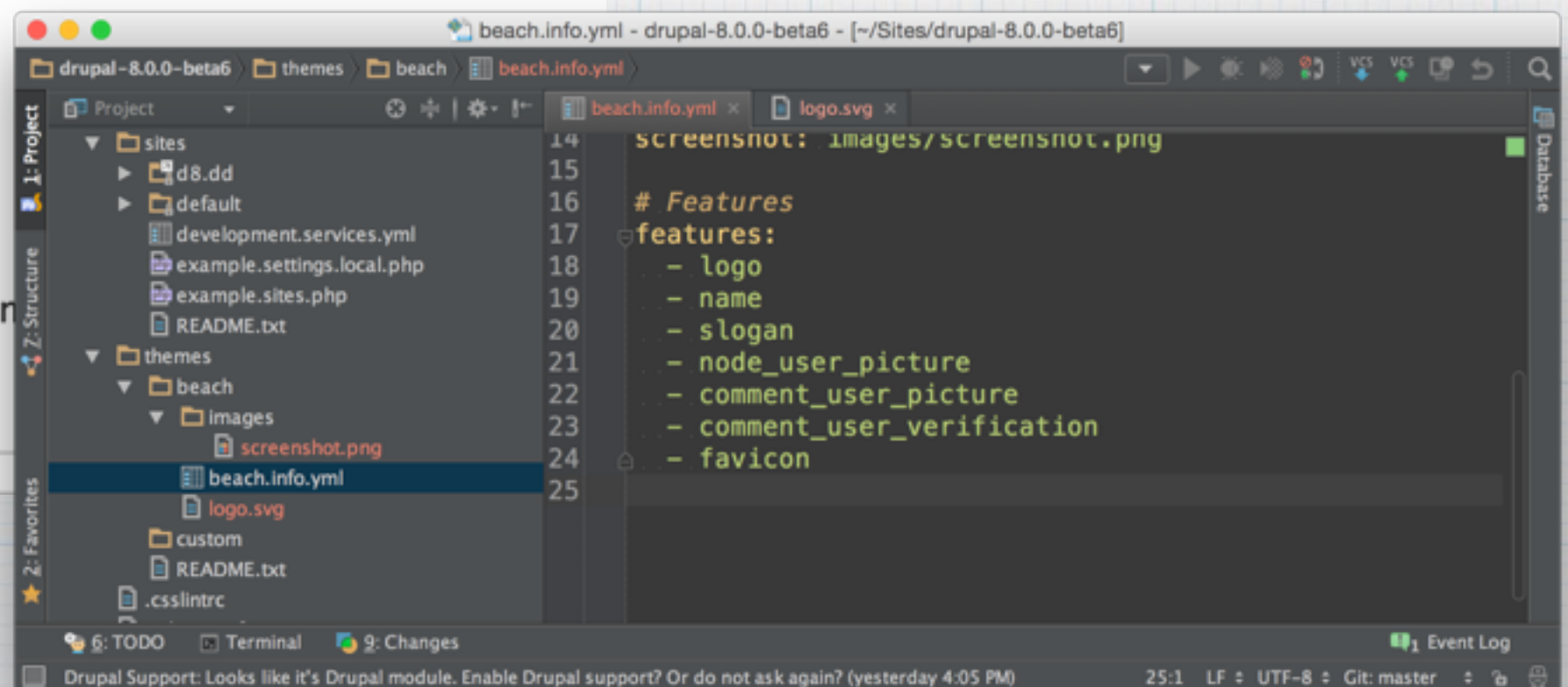
Theme Features

Regions

- **Theme will work with no regions**

- **Declare regions in THEME.info.yml**
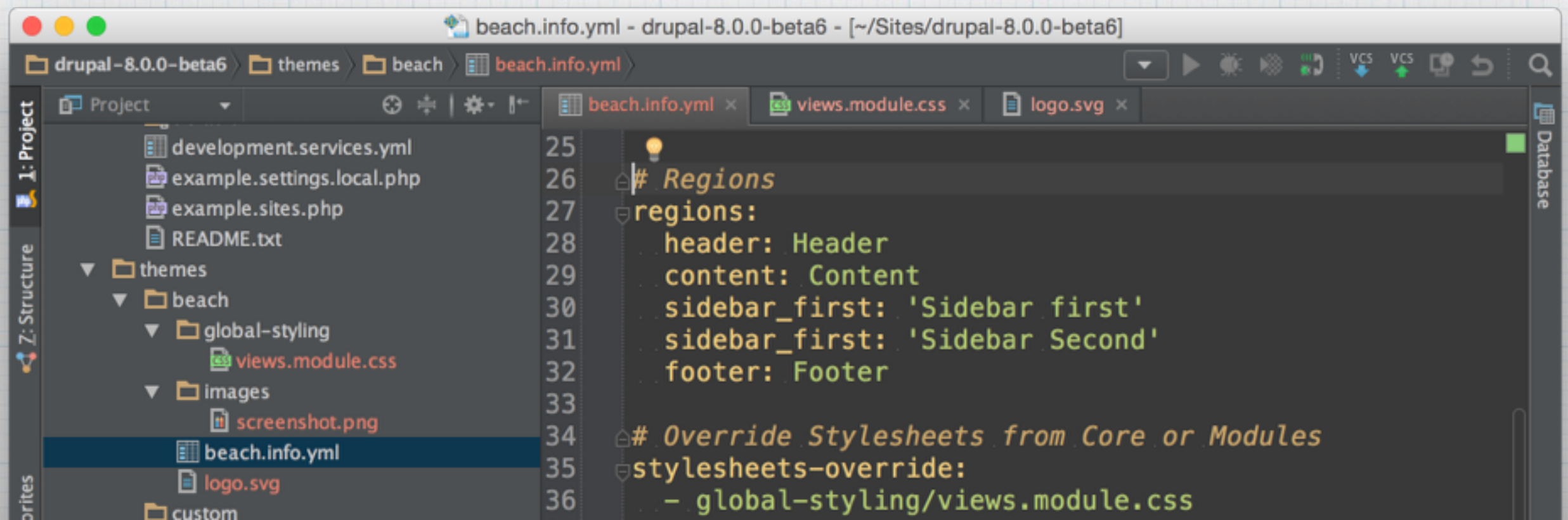
Modify Core/Module CSS

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
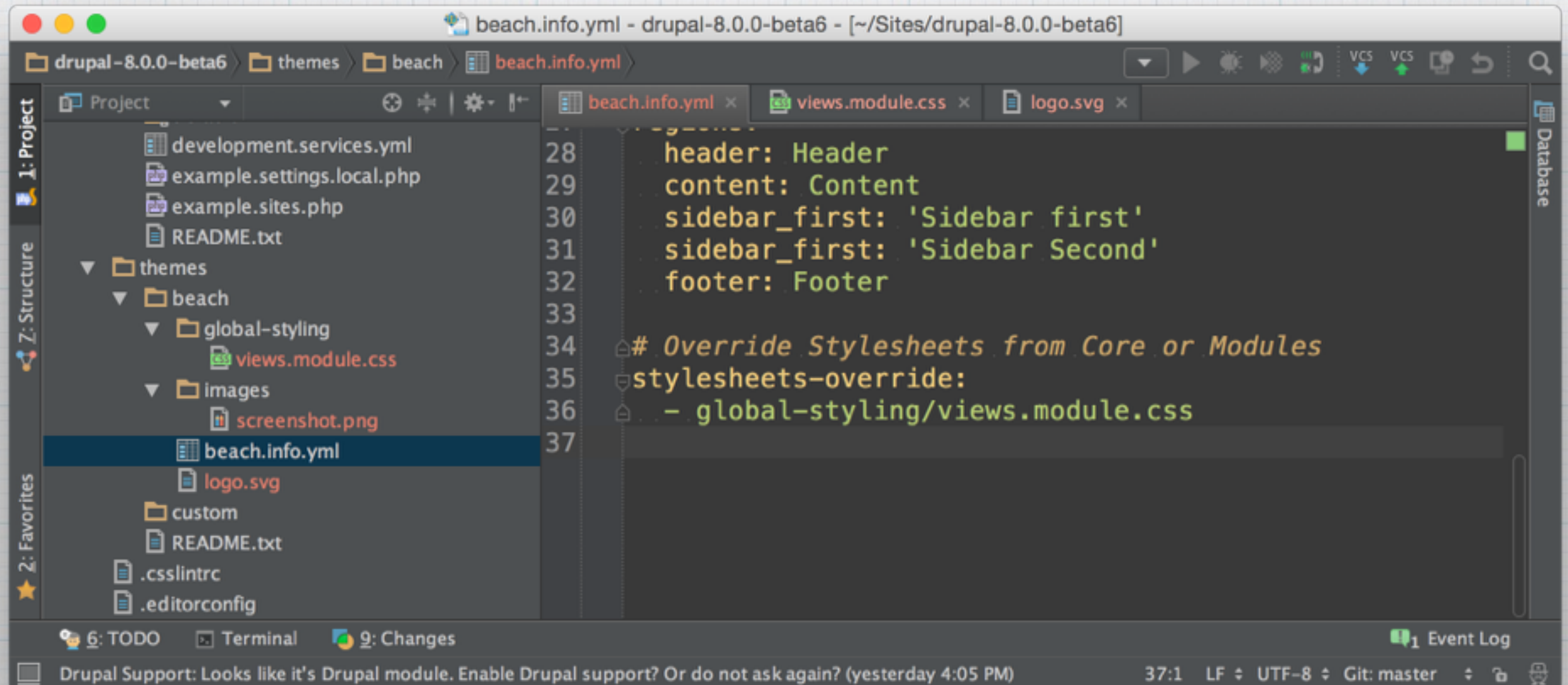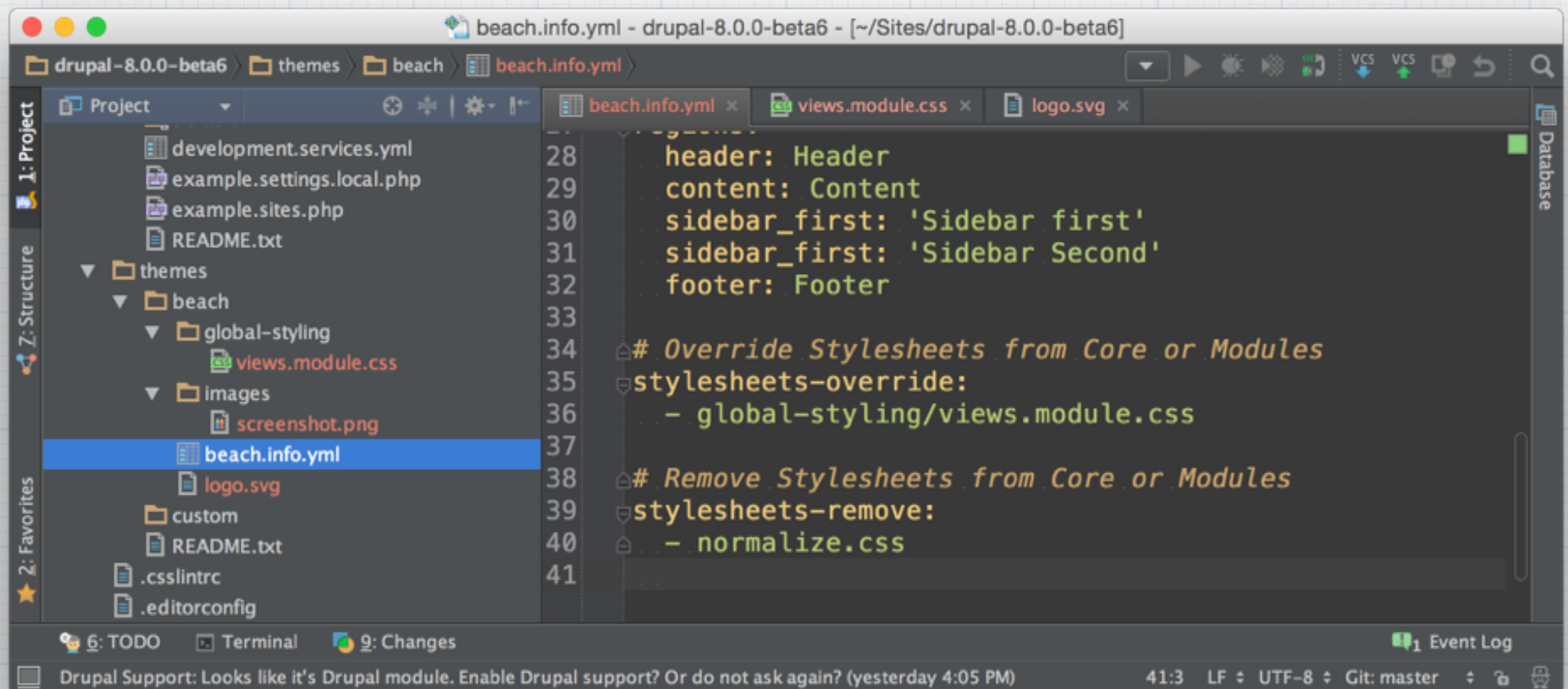
View   Edit   Revisions

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.
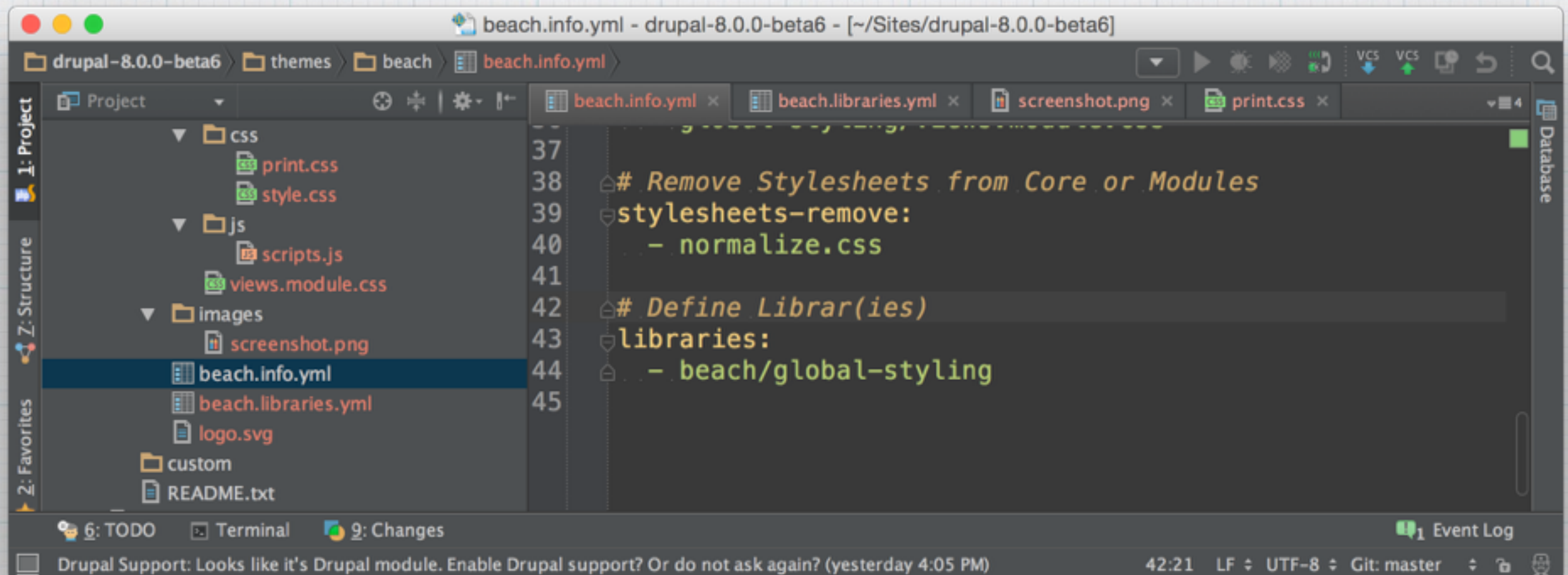
Differences compares to Drupal 7

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
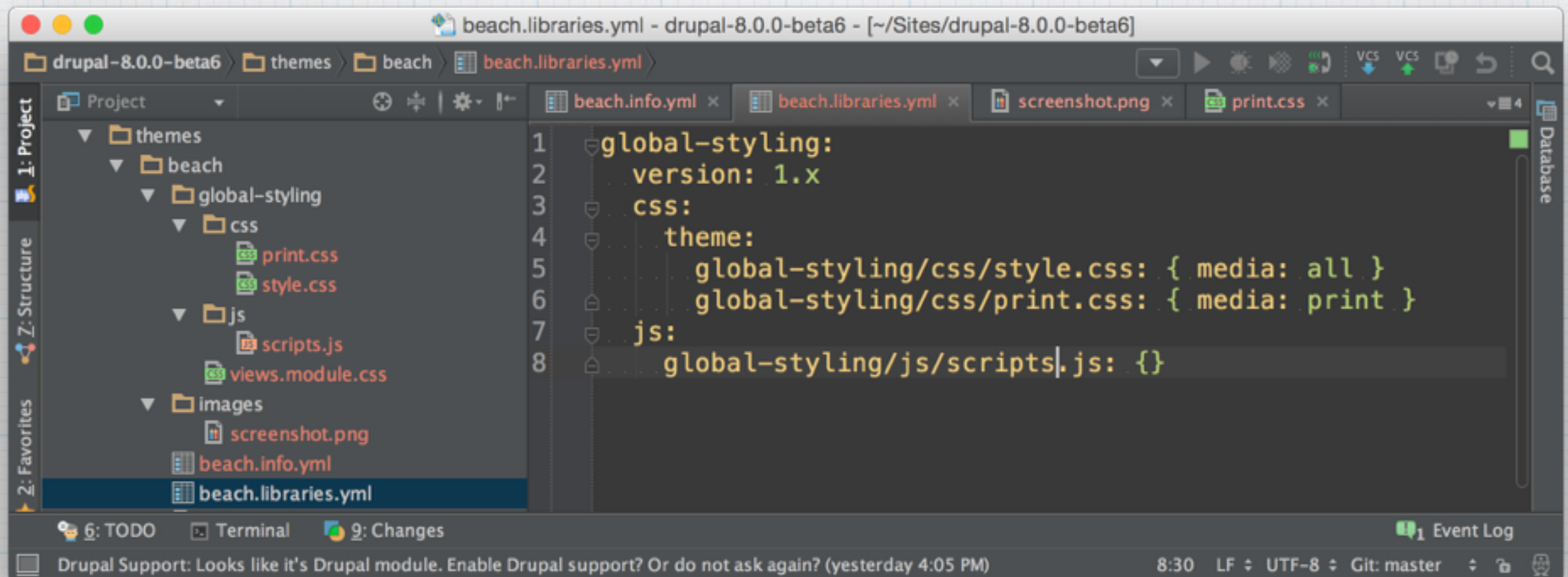
Optionally Include JQuery
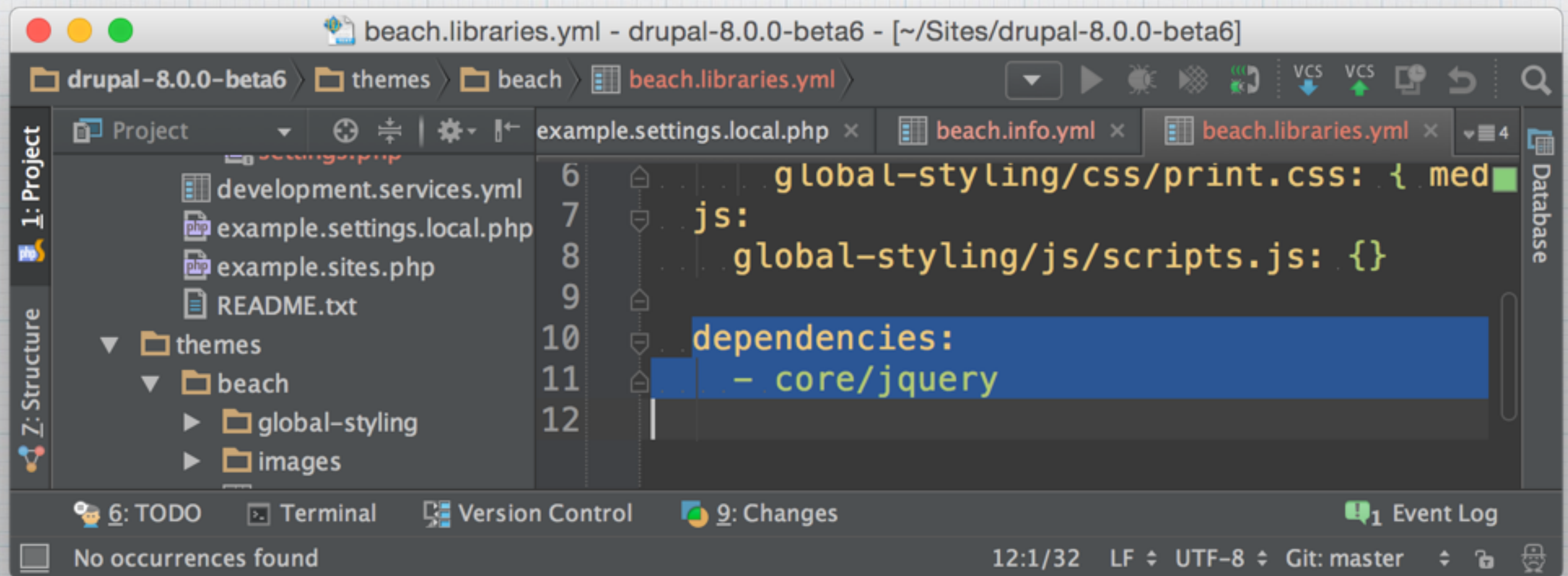
Other Ways to include assets

- `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**)
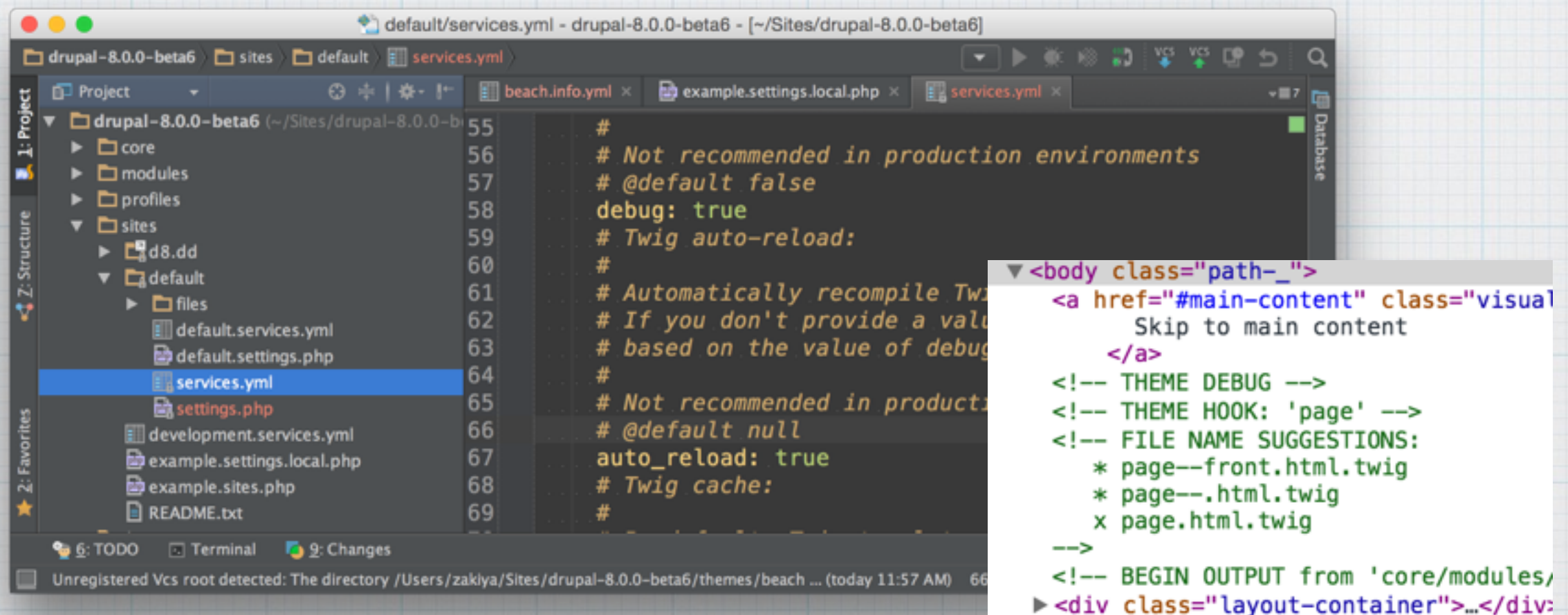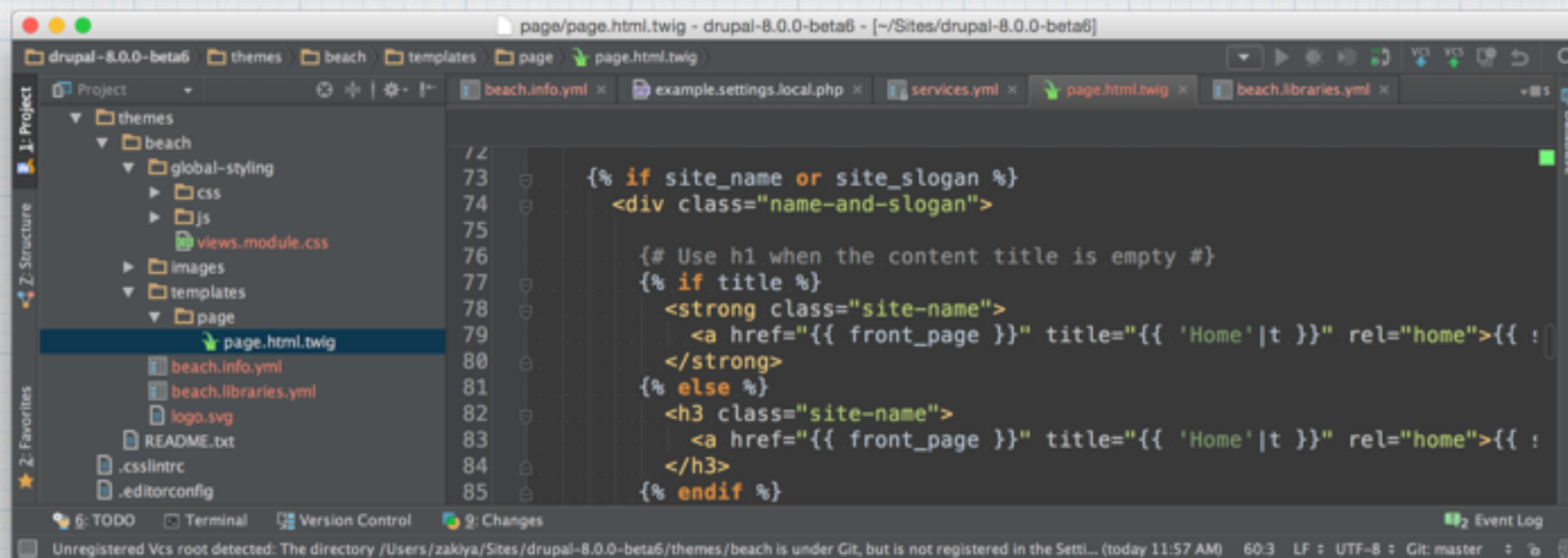
OMG its TWIG!!

Twig Debug

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

Twig Templates

- 141 Twig templates*

- To override, place in *.html.twig in theme folder

- Don't forget to `drush cr`


```
72
73        {% if site_name or site_slogan %}
74          <div class="name-and-slogan">
75
76            {# Use h1 when the content title is empty #}
77            {% if title %}
78              <strong class="site-name">
79                <a href="{{ front_page }}" title="{{ 'Home'|t }}" rel="home">{{ :
80              </strong>
81            {% else %}
82              <h3 class="site-name">
83                <a href="{{ front_page }}" title="{{ 'Home'|t }}" rel="home">{{ :
84              </h3>
85            {% endif %}
```

`*$ 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 }}
  ```
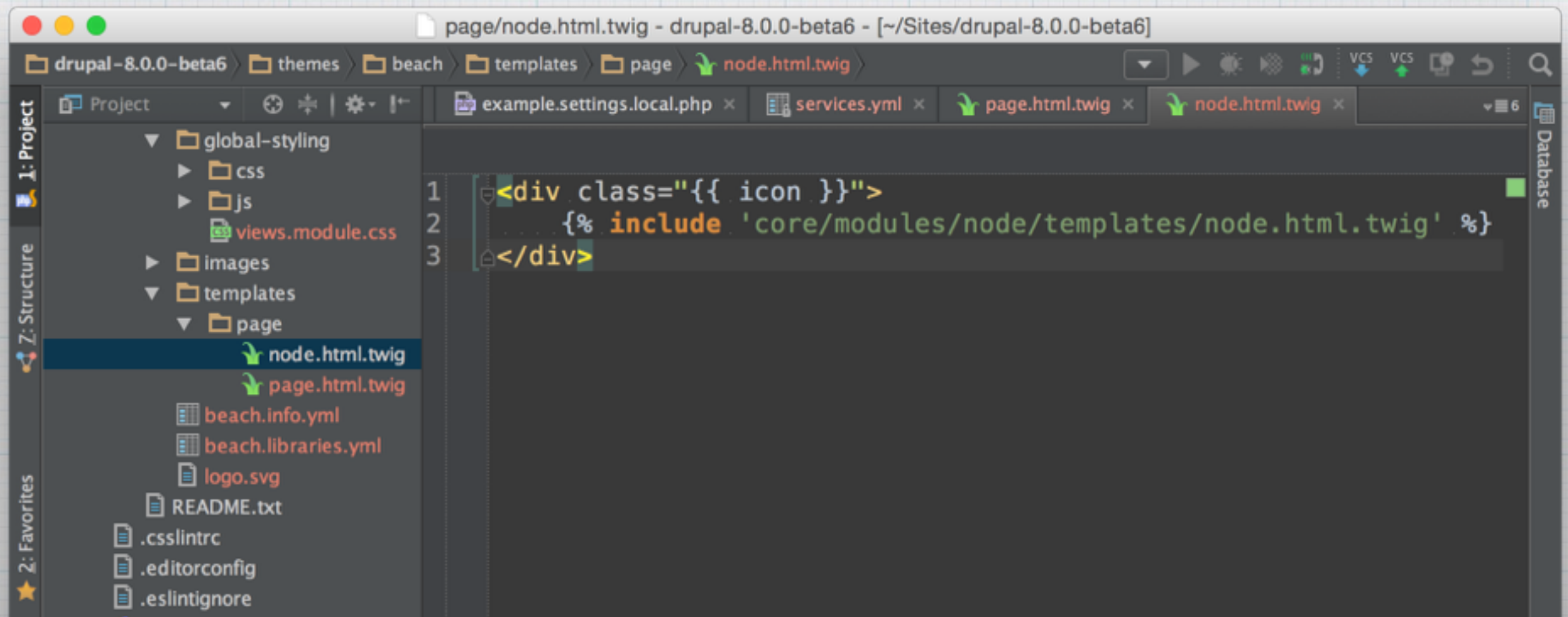
- Check_plain

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

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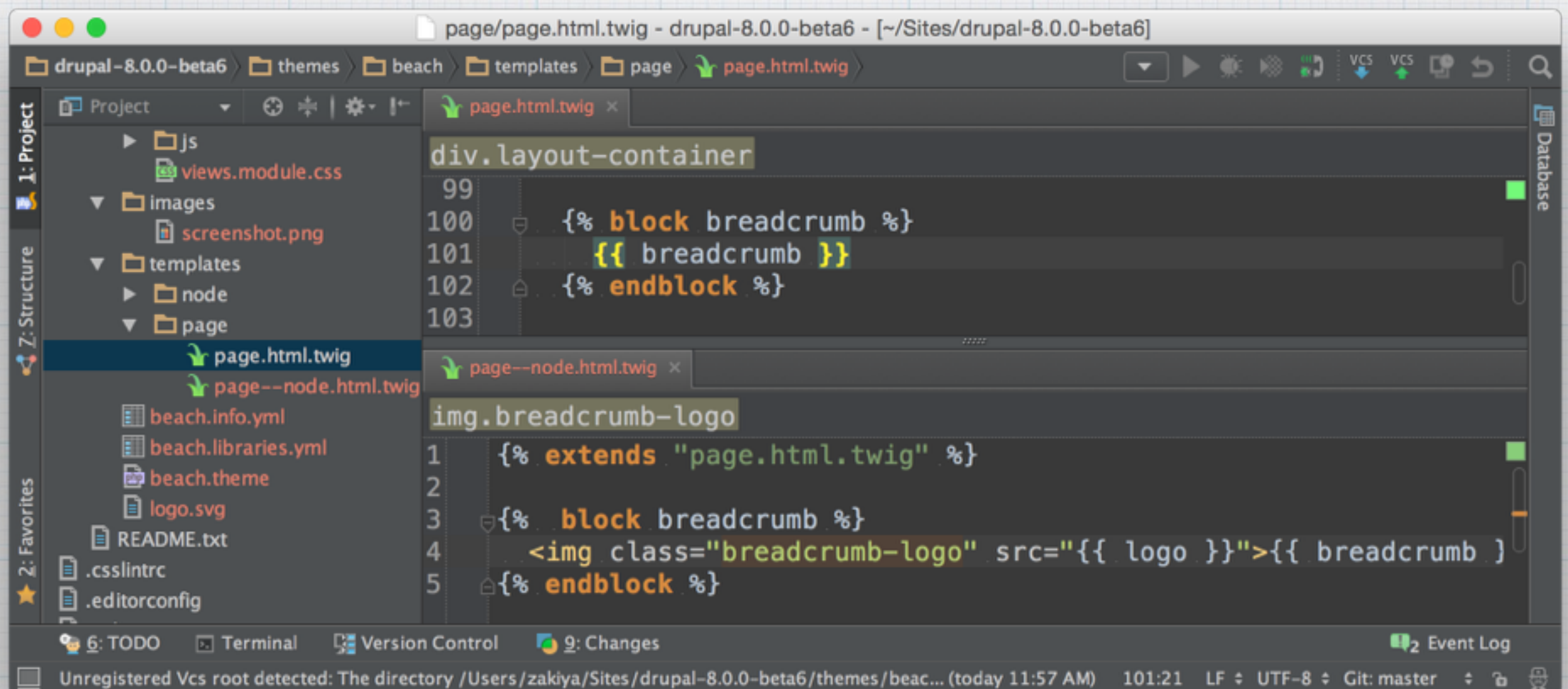 - drupal.org/node/1918824

Twig Code Extras

Reuse Templates


```
page/node.html.twig - drupal-8.0.0-beta6 - [~/Sites/drupal-8.0.0-beta6]
```

```twig
<div class="{{ icon }}">
    {% include 'core/modules/node/templates/node.html.twig' %}
</div>
```
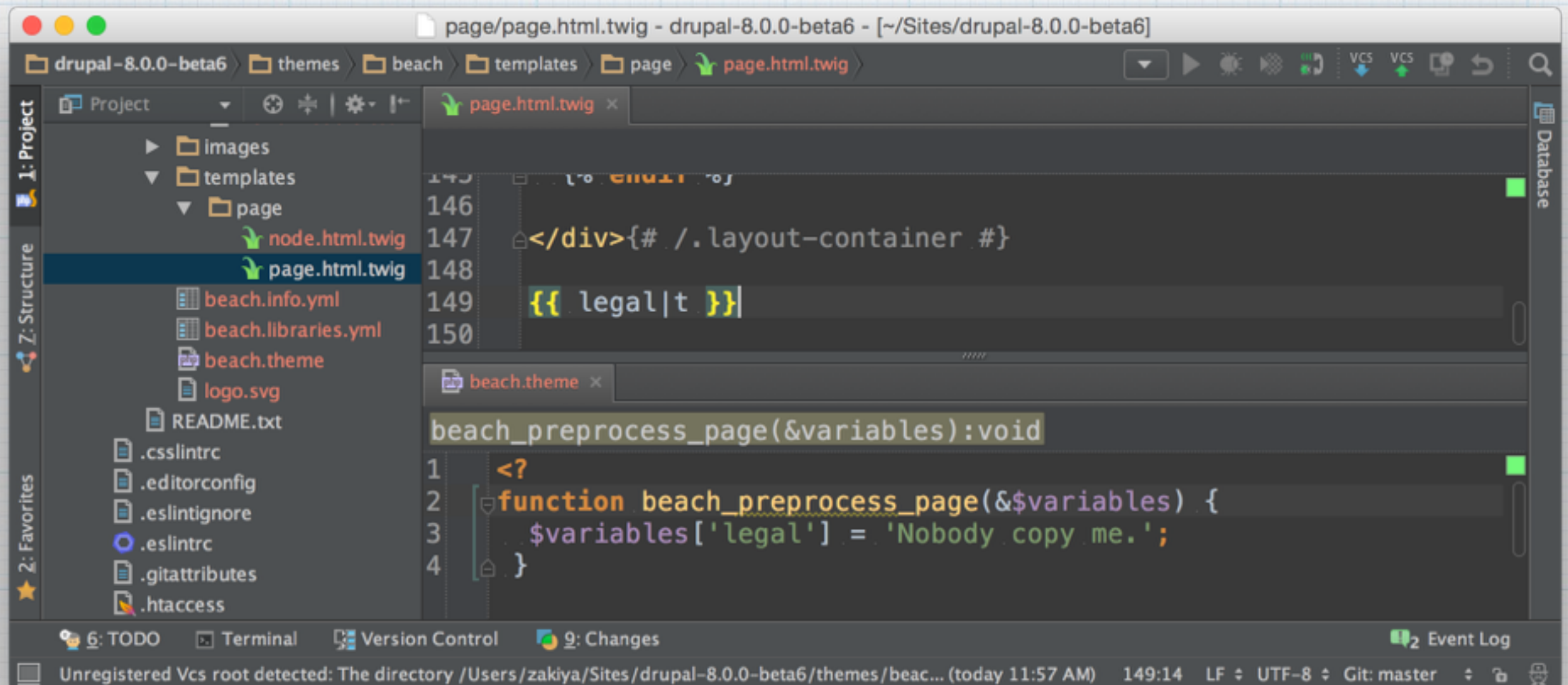
Twig Code Extras
Twig Blocks

Twig Preprocess

- ## THEME.theme replaces template.php

Twig {{dump}}*

- `{{ dump()}}`

- `{{ dump(my_variable) }}`

- **drupal.org/node/1906780**

  *Might get WSOD due to memory issues

Kint

Twig Documentation

- twig.sensiolabs.org/documentation

Responsive

- **breakpoints in core 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

twitter.com/zakiyadesigns

sandcamp.org/users/zakiya

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