



Drupal Camp Vancouver
Connect. Share. Learn.

Introduction to Custom Module

Presented by
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Who am I?

Johannes Schmidt

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Agenda

Basics

- Documentation
- Tools
- Module Scaffolding

Use cases

- Adding JQuery love
- Redirect 404 to search
- Display user status
- Custom settings page

Why?

- 16,369 contributed modules
- 415 distributions
- 1,396 themes

Documentation

Drupal Core API

- <http://drupal.org/documentation/develop> (Developer guide)
- <http://drupal.org/developing/api> (Working with Drupal API)
- <http://api.drupal.org>

Drupal Contrib API

- <http://drupalcontrib.org>

Coding Standards

- <http://drupal.org/coding-standards>

Tools

Developer Module <http://drupal.org/project/devel>

- dpm()
- Autogenerate content

Examples for Developers <http://drupal.org/project/examples>

- Lots of useful working examples written according to standards

Code Sniffer <http://drupal.org/project/drupalcs>

- Plugin for popular text editors to check your code for standard compliance

Module Scaffolding

Name your module

- “Short” / abbreviation
- Start with a letter
- Only lower-case and underscores
- Avoid conflict with custom theme name or contrib modules
- **Recommendation: abbreviation of the project name + purpose**

Module Scaffolding

Mandatory files

- **module_name.info**
 - Basic information (e.g. name, version, package)
 - Additional stylesheets, scripts and files
 - Dependencies
- **module_name.module**
 - Can be empty, but always has to exist
 - Must not end with ?>
 - hooks, callbacks and custom functions

Adding JQuery love

- Use `.info file` to add javascript file
- Use `hook_init()` and `drupal_add_js()` to send data to JQuery

Redirect 404 to search

- Set up paths with `hook_menu()`
- Redirect with `drupal_goto()`
- `hook_install()` and `variable_set()` to set the 404 path

Display user status

- Define block with `hook_block_info()` and `hook_block_view()`
- Use `t()` function for message text
- `theme()` and `hook_theme()` to create reusable output

Custom settings page

- Set up path with `hook_menu()`
- `hook_permission()` to create custom permission
- Use `form hooks` to create, validate and submit a custom form

Best Practice

Don't code for yourself

Questions?

Thank you

https://github.com/johannez/dcv_example