DRUPAL as a framework

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What is DRUPAL?

Drupal as a framework

CMSs

Magento™
Open Source eCommerce

Frameworks

Symfony

CakePHP

yiiframework

ZEND FRAMEWORK

CMS

eworks

Ma

Open Sou

ymfony

framework

FRAMEWORK

¿CMF?

Drupal as a framework

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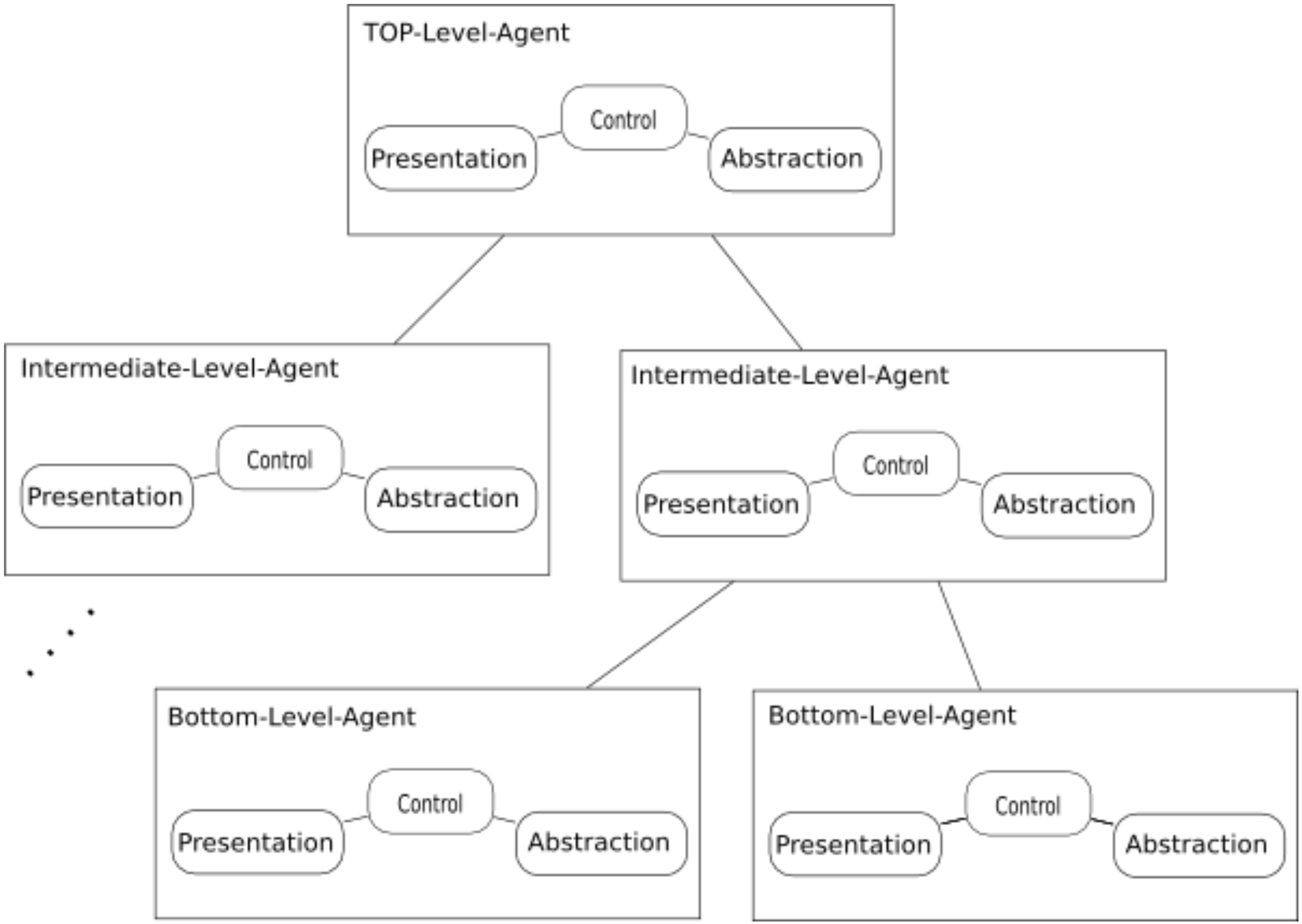
Drupal inside

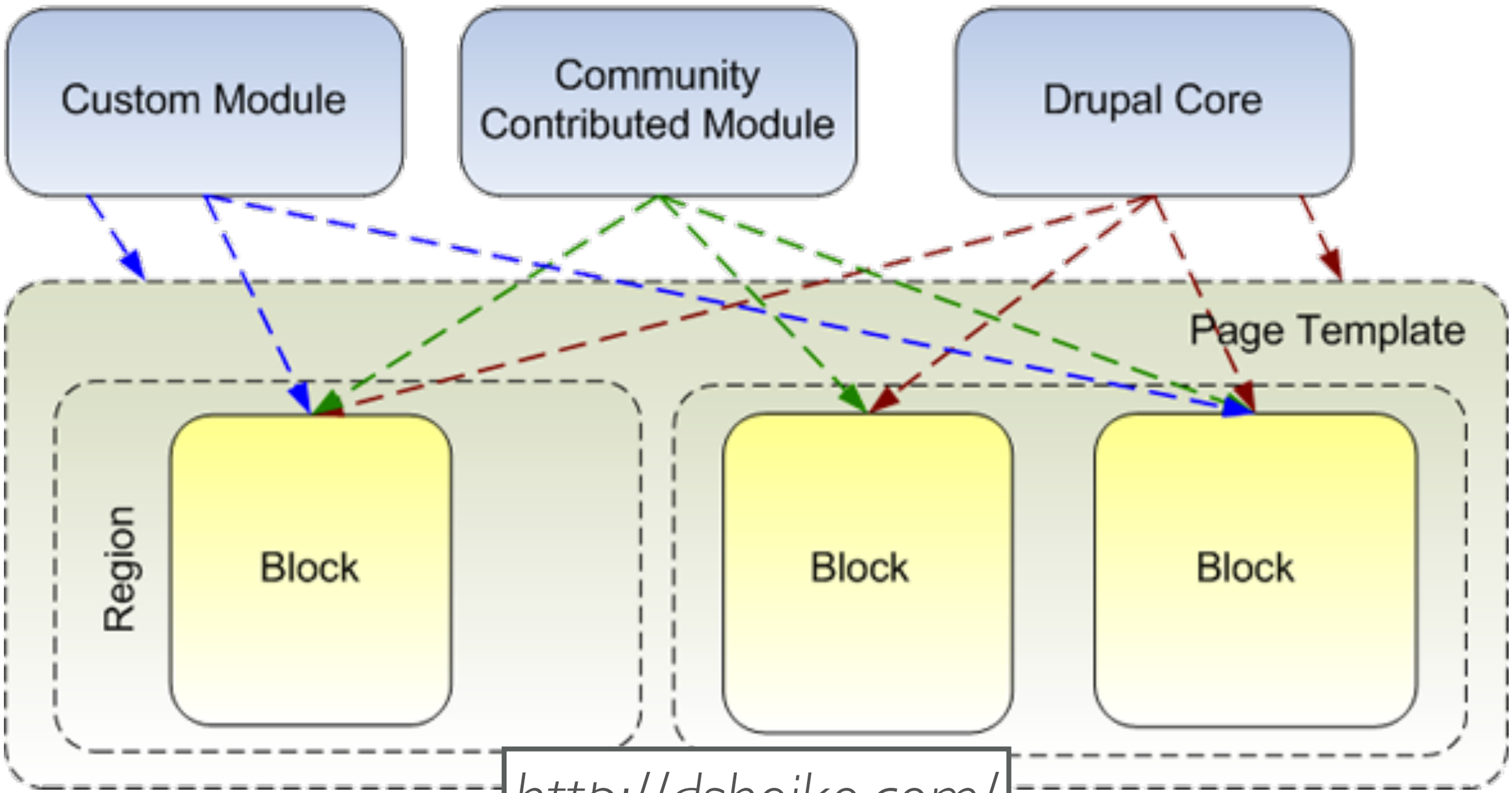
diff drupal7 drupal8

```
- PAC (presentation-abstraction-control)
+ MVC
+ Orient-Object code
+ PHP standards
+ Symfony2 component
+ Twig
+ Build-in web services
```

PAC


TOP-Level-Agent
Control
Presentation
Abstraction
Intermediate-Level-Agent
Control
Presentation
Abstraction
Intermediate-Level-Agent
Control
Presentation
Abstraction
Bottom-Level-Agent
Control
Presentation
Abstraction
Bottom-Level-Agent
Control
Presentation
Abstraction

Drupal7's PAC



http://dsheiko.com/

Drupal as a framework

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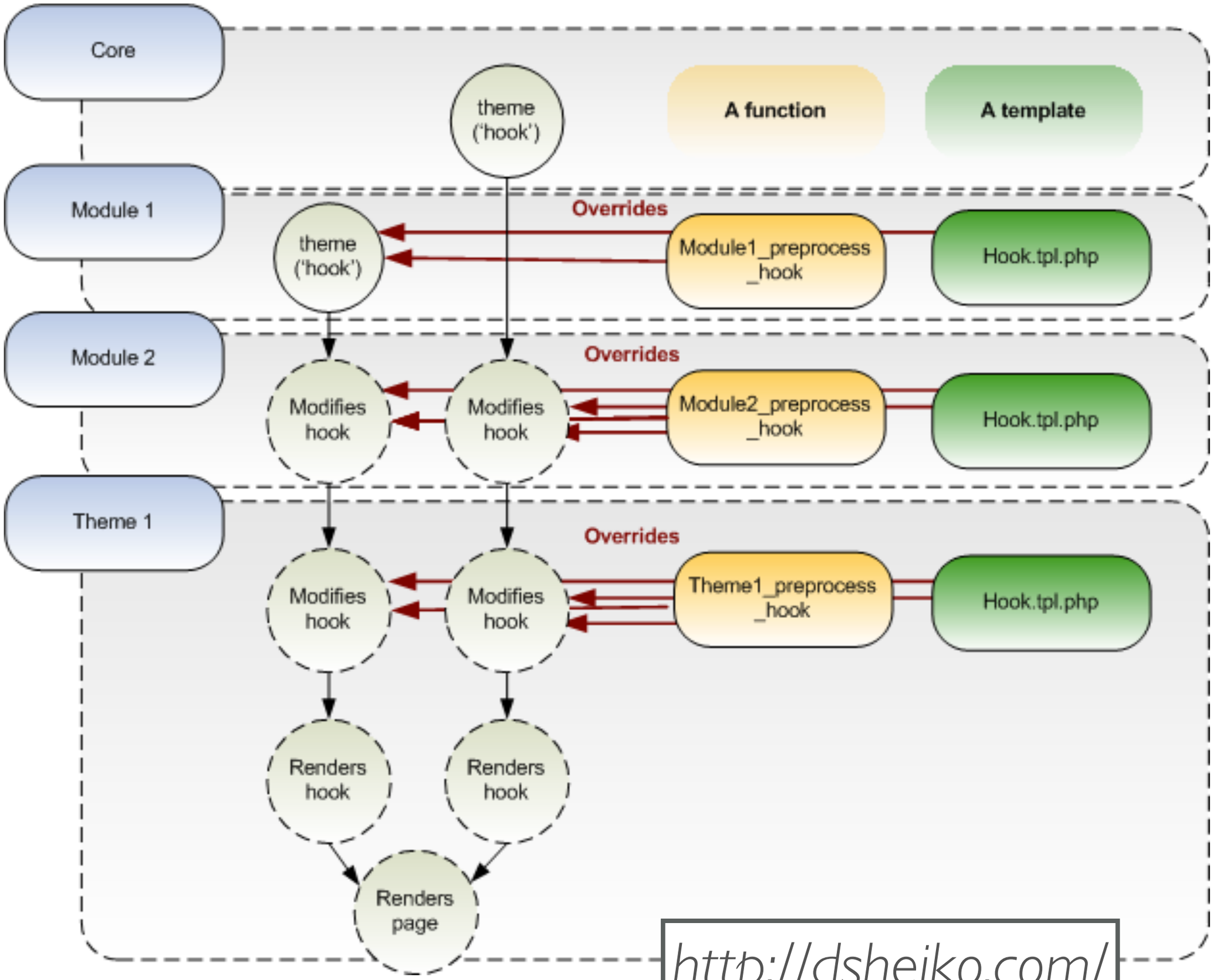


http://dsheiko.com/

tree block_example

```
block_example/
├── block_example.info
├── block_example.install
├── block_example.module
└── block_example.test
```

vi block_example.module

```
function block_example_block_info() {
$blocks['example_configurable_text'] =
array(
   'info' => t('Example),
   'cache' => DRUPAL_CACHE_PER_ROLE,
);
return $blocks;
}
```

Drupal as a framework


```
function block_example_block_configure($delta =
'') {
  $form = array();
  if ($delta == ‘example_configurable_text’){
  $form['block_example_string'] = array(
       '#type' => ‘textfield',
       '#title' => t('Block contents’),
       '#size' => 60,
       '#description' => t('This text example'),
       '#default_value' =>
variable_get('block_example_string', t('Some
example content.’)),
    );
  }
return $form;
}
```

```
function block_example_block_save($delta =
'', $edit = array()) {
 if ($delta == ‘example_configurable_text’){
  variable_set(‘block_example_string’,
  $edit[‘block_example_string’]);
 }
}
```

```
function block_example_block_view($delta =
'') {
switch ($delta) {
 case ‘example_configurable_text':
  $block['subject'] = t('Title');
$block['content'] =
block_example_contents();
 break;
 }
  return $block;
}
```

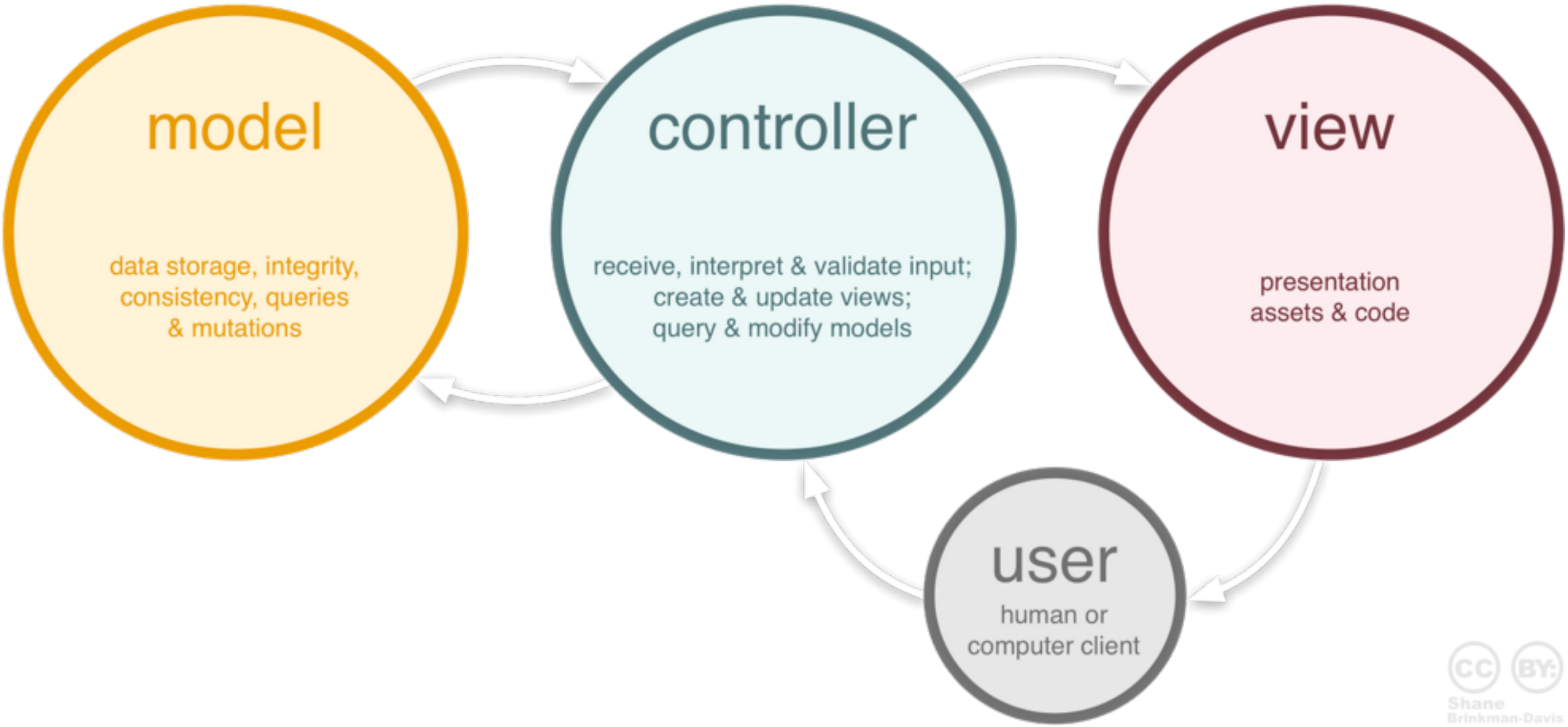
Drupal as a framework


```
function block_example_contents() {
return variable_get(‘block_example_string’);
}
```

DON'T CHASE THE LASER, CARL

IT'S WHAT THE HUMANS WANT

Drupal8's MVC



CC BY: Shane Brinkman-Davis

tree block_example

```
block_example/
├── block_example.info.yml
├── block_example.module
├── block_example.routing.yml
└── lib
    └── Drupal
        └── block_example
            ├── Controller
            │   └── BlockExampleController.php
            ├── Plugin
            │   └── Block
            │       ├── ExampleConfigurableTextBlock.php
            │       ├── ExampleEmptyBlock.php
            │       └── ExampleUppercaseBlock.php
            └── Tests
                ├── BlockExampleMenuTest.php
                └── BlockExampleTest.php
```

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            │       ├── ExampleEmptyBlock.php
            │       └── ExampleUppercaseBlock.php
            └── Tests
                ├── BlockExampleMenuTest.php
                └── BlockExampleTest.php
```

PSR 0

vi block_example.module

```
function block_example_menu_link_defaults() {
$links['block_example'] = array(
     'link_title' => 'Block Example’,
     'route_name' => ‘block_example.description',
  );
  return $links;
}
```

vi block_example.routing.yml

```
block_example.description:
path: ‘examples/block_example’
 defaults:
    _content:
'\Drupal\block_example\Controller
\BlockExampleController::description'
 requirements:
    _access: 'TRUE'
```

vi BlockExampleController.php

```
namespace Drupal\block_example\Controller;
class BlockExampleController {
public function description() {
    $build = array(
      '#markup' => t(‘Descripion'),
    );
    return $build;
  }
}
```

vi BlockExampleConfigurableText.php

```
namespace Drupal\block_example\Plugin\Block;
use Drupal\block\Annotation\Block;
use Drupal\block\BlockBase;
use Drupal\Core\Annotation\Translation;
```

```
class ExampleConfigurableTextBlock extends
BlockBase {

public function defaultConfiguration() {
    return array(
      'block_example_string' => t(‘Default'),
     );
 }
```

```
public function blockForm($form, &$form_state)
{
    $form['block_example_string_text'] = array(
      '#type' => ‘textfield',
       '#title' => t('Block contents’),
       '#size' => 60,
       '#description' => t(‘Description'),
       '#default_value' =>
$this->configuration[‘block_example_string'],
);
    return $form;
  }
```

Drupal as a framework


```
  public function blockSubmit($form, &
  $form_state) {
      $this->configuration['block_example_string']
  = $form_state[‘values']
  ['block_example_string_text'];
    }
```

Drupal as a framework


```
  public function build() {
      return array(
        '#type' => ‘markup',
         '#markup' =>
$this->configuration[‘block_example_string'],
      );
    }

}//end class
```

Drush

Thanks!

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phpmad
Madrid PHP User Group

ASP gems
Soluciones Ágiles