

Anatomy of a Drupal 8 Module

Basic

hugs.info.yml

```
name: Hugs
description: Example of hugs
type: module
core: 8.x
```

▼ OTHER



Hugs

▼ Example of hugs

Machine name: hugs

Router and Controller

hugs.routing.yml

```
hugs.hug:
```

```
  path: /hug/{from}/{to}
```

```
  defaults:
```

```
    _controller: 'Drupal\hugs\Controller\HugsController::hug'
```

```
    _title: 'Hug!'
```

```
  requirements:
```

```
    _permission: 'access content'
```

src/Controller/HugsController.php

```
<?php
namespace Drupal\hugs\Controller;
use Drupal\Core\Controller\ControllerBase;

class HugsController extends ControllerBase {

    public function hug ($to, $from) {
        $message = $this->t('%from sends hugs to %to', [
            '%from' => $from,
            '%to' => $to,
        ]);

        return ['#markup' => $message];
    }
}
```

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Larry sends hugs to DrupalCon

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Theming

Changes to src/Controller/HugsController.php

```
<?php
```

```
namespace Drupal\hugs\Controller;
```

```
use Drupal\Core\Controller\ControllerBase;
```

```
class HugsController extends ControllerBase {
```

```
    public function hug ($to, $from) {
```

```
        return [
```

```
            '#theme' => 'hug_page',
```

```
            '#from' => $from,
```

```
            '#to' => $to,
```

```
        ];
```

```
    }
```

```
}
```

hugs.module

```
<?php
function hugs_theme() {
    $theme['hug_page'] = [
        'variables' => ['from' => NULL, 'to' => NULL],
        'template' => 'hug_page',
    ];
    return $theme;
}
```

hug_page.html.twig

```
<section>
    {% trans %}
        <strong>{{ from }}</strong> hugs <em>{{ to }}</em>.
    {% endtrans %}
</section>
```

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Hug!

Larry hugs *DrupalCon*.

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Links

- [Code on Github](#)
- [Drupal 8 Crash Course](#)
- [Routes, controllers and responses: The Basic Lifecycle of a D8 Request](#)