# Anatomy of a Drupal 8 Module

## Basic

## hugs.info.yml

```
name: Hugs
```

description: Example of hugs

type: module

core: 8.x



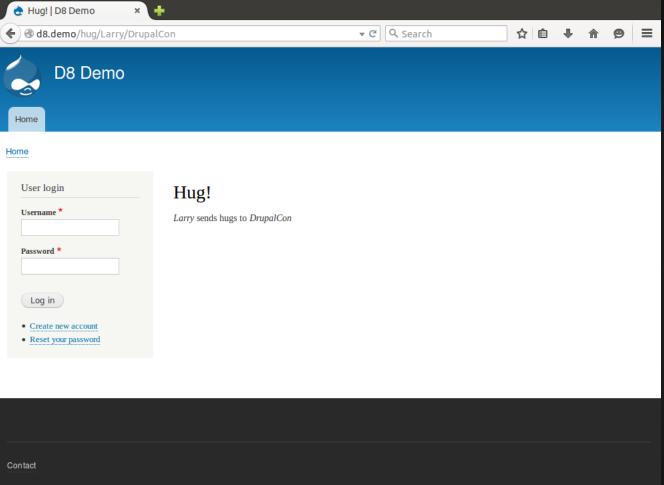
## **Router and Controller**

## 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,
    1);
    return ['#markup' => $message];
```



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## Theming

## Changes to src/Controller/HugsController.php

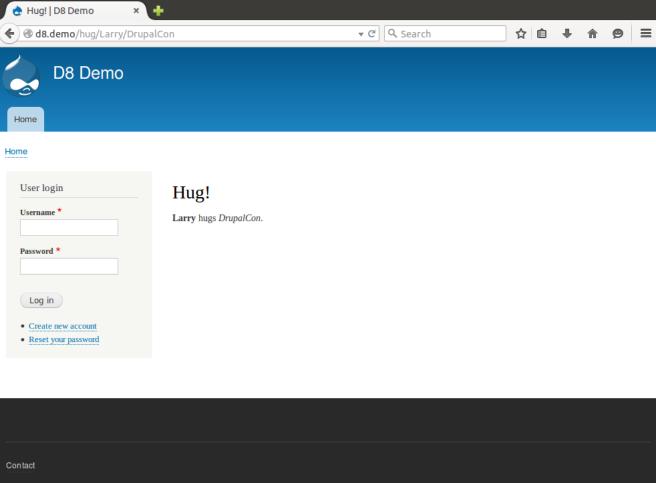
```
<?php
namespace Drupal\hugs\Controller;
use Drupal\Core\Controller\ControllerBase;
class HugsController extends ControllerBase {
  public function hug ($to, $from) {
    return [
      '#theme' => 'hug page',
      '#from' => $from,
      '#to' => $to,
```

#### 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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#### Links

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