Cheatography

Symfony Cheat Sheet

by Mikael Peigney (Mika56) via cheatography.com/3808/cs/821/

Ressources

Symfony Homepage	http://symfony.com/
KnpBundles	http://knpbundles.com/

Folders

/app

Contains configuration, cache, logs, ... Everything that is not the source code

/src

Contains our bundles

/vendor

Contains all libs we use in our project

/web

Contains all "public" files, like images, CSS, Javascript, ... Also contains the "main controler", app.php

Bundle folders

/Controller

Contains our controlers

/DependencyInjection

Contains informations about our bundle

/Entity

Contains our models

/Form

Contains our forms

/Resources

Contains config files, public files and view (Twig) files

/Tests

Contains our Unit Test files

Composer

Install

```
php -r "eval('?>'.file_get_contents('http://getcomposer.org/installer'));"
```

Update composer

```
php composer.phar self-update
```

Composer (cont)

Update bundles

```
php composer.phar update
```

Forms generation

add($child, $type, $option)

Adds a form filed, where **$child** is the member, **$type** is the input type and **$options** the type's options

remove($name)

Removes the field with the given name

get($name)

Rturns a child by name

has($name)

Returns whether a field with the given name exists

To be used on a**FormBuilderInterface** (typically, **$builder** from **<Entity>Type::buildForm**

Forms field types

text/textarea

Standard input with type=text or textarea

email/url

Standard type=text field with proper validation

integer/number/percent

type=text field, with validation

money

type=text field with currency symbol near the field

password

type=password field

search

type=search field

choice

Multi-usage field. Can make select, radio or checkboxes

Forms field types (cont)

entity

Creates a field with all entities from one class

country/language/locale/timezone

date/datetime/time

birthday

Same as datetime, but with more recent years

checkbox/radio

file

collection/repeated

hidden

csrf

Console

generate:bundle

Generates a bundle

cache:clear

Clears application cache

doctrine:generate:entity

Generates a new Doctrine entity

doctrine:generate:entities

Generates an entity's methods with it's updated content

doctrine:schema:create

Creates database's schema

doctrine:schema:update

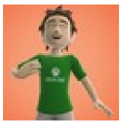
Update the database with its new schema. Use with --dump-sql and --force

doctrine:fixtures:load

Loads fixtures into database. Use it with --append to append datas instead of replacing

doctrine:generate:form

Generates a <Entity>Type form



Routes

HelloTheWorld	Route name
pattern	The pattern to match
defaults	The bundle and controller to use
requirements	List of required parameters and their format

Example:

```
HelloTheWorld:
  pattern: /hello-world/{name}.{format}
  defaults: { _controller: MyBundle:Blog:index, format: html }
  requirements:
    name: \w
    format: html|xml
```

Request parameters

$_GET['tag']	$request->query->get('tag')
$_POST['tag']	$request->request->get('tag')
$_COOKIE['tag']	$request->cookies->get('tag')
$_SERVER['tag']	$request->server->get('tag')
Route parameters	$request->attributes->get('tag') or $tag

Note

$request = $this->get('request');

Twig

{{ id }}	Show variable *id* content
{{ id|upper }}	Show variable *id* content in uppercase. Works with a lot of other filters
{% if condition %} {% elseif condition %} {% else %} {% endif %}	if/elseif/else structure

Twig (cont)

{% render url('latest_articles', { 'max': 3 }) %}	Renders another action

Doctrine

@ORM\Entity((repositoryClass="Me\Bundle\Entity\Repository")	Declares a class as an ORM entity, with Me\Bundle\Entity\Repository being its repository
@ORM\Table(name="table_name")	Changes a table name
@ORM\Column(type="string")	Declares an attribute as being a table column
@ORM\OneToOne(targetEntity="Me\Bundle\Entity\Column", cascade={"persist"})	Declares a One-To-One relation.*cascade* cascades some operations (such as *persist* or *remove*) to the relation
@ORM\OneToMany(targetEntity="Me\Bundle\Entity\Column")	Declares a One-To-Many relation
@ORM\ManyToOne(targetEntity="Me\Bundle\Entity\Column")	Declares a Many-To-One relation
@ORM\ManyToMany(targetEntity="Me\Bundle\Entity\Column")	Declares a Many-To-Many relation
@ORM\HasLifecycleCallbacks()	Declares that the Entity has callbacks

Doctrine Column parameters

type	Column type
name	Column name
length	Column length, only for string type

Doctrine Column parameters (cont)

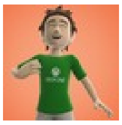
unique	Defines the column as unique
nullable	Allows the column to contain *null*
precision	Number of total digits, for decimal type
scale	Number of digits after point, for decimal type

Doctrine column types

string	Every string up to 255 chars
integer	Numbers up to 2.147.483.647
boolean	Boolean values; *true* and *false*
decimal	Decimal numbers
date/time/datetime	
text	Strings with no chars limit
object/array	Stores a PHP object/array with serialize/unserialize
float	Number with floating-point

Doctrine Query Builder

$query->select('a')	Set columns to get
$query->addSelect('a')	Adds columns to get
$query->leftJoin('alias.column', 'column_alias')	Joins an Entity to the request, just like a **LEFT JOIN**
$query->where('a.column = ?')	Sets the **WHERE** conditions



Doctrine Query Builder (cont)

$query->addWhere('a.column = ?')

$query->orWhere('a.column = ?')

$query->setParameter(1, $something)

> Sets a parameter. First argument can be the parameter position or name.

$query->setParameters(array('name' => $value,))

$query->groupBy('a.column')

> Sets the **GROUP BY** DQL value

$query->addGroupBy('a.column')

$query->orderBy('a.column')

> Sets the **ORDER BY** DQL value

$query->addOrderBy('a.column')

Note :
$query = $this->createQueryBuilder('alias');

Doctrine Callbacks

PrePersist

> Executed just before a*persist()*. Therefore, the *$id* isn't available, but all changes made to the Entity will be persisted in database

PostPersist

> Executed avec a *flush()* which had a *persist()* on that Entity. *$id* is now available, but changes aren't saved

PreUpdate

> Executed just before a *flush()*

PostUpdate

PreRemove

> Executed before a *flush()* with a *remove()* on that Entity

PostRemove

> Executed after a *flush()*. *$id* is not available anymore

PostLoad

> Executed after the Entity has been loaded or reloaded (*refresh()*)

Doctrine Extensions

Tree

> This extension automates the tree handling process and adds some tree specific functions on repository

Translatable

> Gives you a very handy solution for translating records into diferent languages. Easy to setup, easier to use

Sluggable

> Urlizes your specified fields into single unique slug

Timestampable

> Updates date fields on create, update and even property change

Loggable

> Helps tracking changes and history of objects, also supports version managment

Sortable

> Makes any document or entity sortable

Softdeletable

> Allows to implicitly remove records

Uploadable

> Provides file upload handling in entity fields

Add the following to **composer.json**:
"stof/doctrine-extensions-bundle": "dev-master"