< the php & javascript experts >

Control

Controller

Extending the default controller

Demo\BlogBundle\Controller; use Symfony\Bundle\Framework

Bundle\Controller\Controller; class BlogController extends Controller

public function showAction(\$id, \$comments=false)

- return \$this->render('DemoBlogBundle:Blog:in dex.html.twig', array('id' => \$id));
- Method names must end with Action. Method parameters are defined in the route and are referenced by name. (Order does not matter.) You can use \$this->container to access the service container or get a service via \$this->get(..). The Parameters you pass to the render method are

Redirection and flash message use Symfony\Component\Http Foundation\RedirectResponse;

available in the twig template.

\$this->get('session')->setFlash ('notice', 'Comment saved.'); 'http://symfony.com/', 302);

Flash message is available in session on next request. See Templating section for how to show flashes. Second parameter of RedirectResponse() is optional, tells the HTTP status code. Defaults to 302, moved temporarily.

Controller as a service

namespace

use Symfony\Component\

class BlogController

- public function construct(
- \$templating) \$this->templating = \$templating;
- public function showAction(\$id)

return \$this->templating-> Bundle:Blog:index.html.twig', array('name' => \$blog));

Do not extend the Controller class. Inject everything you need explicitly, i.e in the constructor. Configure this class as service demo blog.blogController (see Dependency Injection in Service Container section). See http://bit.ly/symfony-service

for more.

Route with parameters

- blog: pattern: /blog/{id} defaults: { controller: id: 123}
- To define parameters, put the name in curly brackets "{id}".
- The defaults tell which controller to use and can be used to make URL parameters optional. This entry will match /blog or /blog/33.
- The requirements allow to define a regular expression for each parameter. This route will only match numerical ids, but not for example /blog/abc.
- Generating a route \$router->generate('blog',
- The default router is available in the con-
- top level token in the yml configuration · Second parameter is optional, specify
- Third parameter tells wheter to generate an **absolute** URL. Defaults to false.

Routes and i18n about: pattern: /{ locale}/about defaults: { controller:

% endfor %} % endfor %}

• The **_locale** is used as the session locale. /about is the german page, /en/about the english one.

Routing to a controller service

pattern: /blog/{id} defaults: { controller:demo blog.blog controller:

When referencing the controller as a service (see chapter "Service Container"), you need to write the full method name. You can also call something that does not end on Action).

% .. %} DOES something

- iables date }}
- a.author ~ " " ~ date }}
- set var = "my test data" %}
- ı.author will be resolved as: • a is an array and author a valid index
- a is object and there is a public author property · there is a public author () method
- there is a public getAuthor () method there is a public is Author () method otherwise will result in null
- Others: .., |, ~, ., [], ?:

{ a.title|striptags|title }} div class="blog article body"> {% filter striptags %} {{ article.body }

<div class="blog categories"> {{ a.categories|join(', ') }}

Built-in filters:

- formatting: capitalize, lower, upper, date, format, number_format, title • string operations: default, replace, striptags • string and arrays: length, reverse, slice
- arrays: join, keys, merge, sort encoding: raw, convert_encoding, escape, json_encode, nl2br, url_encode

nctions

div id="footer"> {{ date() }}

else %}

Built-in functions: attribute, block, constant, cycle, date, dump, parent, random, range

if booleanValue %} % endif %}

if anotherBooleanValue %} % elseif thirdBooleanValue %}

% endif %} Functionality for conditions: • Tests: constant, defined, divisibleby, empty, even, in, is, null, odd, sameas

• Logic: and, or, not • Comparisons: ==, !=, <, >, >=, <=, ===

for k in blog.arts|keys %} Article No {{ k }} % endfor %}

loop iterating over sequence % for l in 'x'...'z' %}

endfor %}

- {{ 1 }} endfor %} # output: x y z #} % for i in 0..6 %} {{ i }}
 - # output: 0 1 2 3 4 5 6 #} pop with filter, loop and alternative if empty % for a in blog.arts if
 - a.published %} $p {\{a.body \}}$ % endfor %} % for a in blog.arts %} $p { a.body }$
 - % else %} No content. % endfor %} omments

This is the comment tag. It can be used for multior single-line #}

With a configured translator, internationalization is very easy to use with Twig: <title>example.com // {% trans %}About{% endtrans %}

head> % transchoice numItems %}]1, Inf] %numItems% items endtranschoice %}

iternal Links

article

% endif %}

Compose templates

</title>

They are generated using the routes' names: # relative URL #} About me # absolute URL with params #} <a href="{{ url('article',</pre> {'id': 42}) }}">My favorite

{# relative URL #} fa href="{{ path('about') }}"> Über Mich # absolute URL #} a href="{{ url('article', {'id': 42}) }}">Mein

Lieblingsartikel ish messages f you have set a flash message, you can

access it like this: % if app.session.hasFlash('error') %}

Templates can include other templates. This

to pass parameters to the included template.

div id="header">{% include

div id="main wrapper">

<div id="sidebar">

itle} %}</div>

</div>

Liip is Switzerland's leading developer gage in open source software and com-

'DemoBlogBundle:Blog:header.

html' with {'title': article.

{% include '::sb.html' %}

<div id="content">...</div>

building your new application in Sym-

fony 2 or if you plan other activities

{{ app.session.flash('error') } }

Central API of Doctrine2 for finding, deleting, persisting and accessing repositories: // \$em is the EntityManager

\$article = \$em->find('DemoBlogBundle:Article', 42);

Table rows are represented by **entity objects.**

Tables are mapped to **entity classes. Entity**

classes are plain old PHP objects with attribu-

tes, and getter and setter methods. The central

/ mark the article as deleted \$em->remove(\$article);

/ attach article so its saved Sem->persist(\$a); // write all changes to DB

\$em->flush();

('DemoBlogBundle:Article'); \$article = \$repo->find(42);

\$a2 = \$repo->findOneByTitle("My new article"); SmoreArticles = \$repo->findBy(array('category' => 'php'));

To enable Doctrine2 to map database entries to entity objects correctly, you must provide a

description using one of the following: XML description files YAML description files

• a scripted PHP description or Docblock annotiations All metadata description approaches are

column="id">

<field name="title"

nullable="false"

unique="true" />

<field name="text"

type="text" />

</doctrine-mapping>

</entity>

<generator strategy="AUTO"/>

type="string" length="50"

semantically almost identical.

xml mapping <doctrine-mapping xmlns="..."</pre> xmlns:xsi="http://www.w3.org /2001/XMLSchema-instance"

• Single Table Inheritance: in one table. Specific columns type of object. <id name="id" type="integer"</pre>

 Class Table Inheritance: For every class there is a separate table in the database. However, common attributes are managed in "base tables".

All three mechanisms can be described with annotations. In each case, the superclass gets the annotation describing the kind of inheritance used:

/** @ORM\MappedSuperclass **/ class User

MyProject\Entity\User: table: article type: integer

* @ORM\Entity generator: strategy: AUTO fields: title: type: string length: 50

php mapping \$metadata->mapField(array('id'=>true, 'fieldName'=>'id', 'type'=>'integer')); \$metadata->mapField(array('fieldName'=>'title', 'type' => 'string'));

type: text

yml mapping

id:

id:

text:

type: entity

annotation mapping * @ORM\Entity * @ORM\Table(name="article")

class Article /** * @ORM\Id * @ORM\Column(type="integer") * @ORM\GeneratedValue

protected \$id; * @ORM\Column(type="string")

We recommend using annotations for the meta data, as it keeps all information about the entity in one file.

Doctrine2 handles 1:1, 1:n and n:m associations and supports all kind of special cases. A very basic example of a bidirectional 1:n association is the one between blog articles

and comments: use Doctrine\Common\ Collections\ArrayCollection;

* @ORM\Entity * @ORM\Table(name="article") class Article

* @ORM\Id

protected \$id; * @ORM\OneToMany(* targetEntity="Comment",

* mappedBy="article") protected \$comments;

public function __construct() \$this->comments = new ArrayCollection();

* @ORM\Entity * @ORM\Table(name="comment")

class Comment * @ORM\Id * @ORM\Column(type="integer")

protected \$id; * @ORM\ManyToOne(* targetEntity="Article", * inversedBy="comments")

protected \$article;

http://bit.ly/symfony-inheritance There are three ways of mapping inheritance into a relational

supported by Doctrine2: Mapped Superclasses: No sharing of fields in the database Each type of object is stored in a separate table with no interference.

All objects of a type hierarchy are stored ("discriminator columns") determine the

// common attributes of all

* @ORM\Table("administrator") class Administrator extends User //admin specific attributes

* @ORM\Entity * @ORM\Table("visitor") class Visitor extends User

In this example, Doctrine2 would create two tables: "administator" and "visitor" which both would have the specific attributes as well as those of the common base class. Using single table or class table inheritance you can control how much duplicate infor-

tree-oriented, semi-structured PHP content repository PHPCR.

Forms &

Foundation\Request;

form validation namespace Demo\BlogBundle\ Entity; use Symfony\Component\Validator

> class BlogPost * @Assert\NotBlank()

* @Assert\NotBlank() * @Assert\Type(,,\DateTime") protected \$date;

Calling \$form->isValid() on the ormBuilder automatically checks the validation rules of the provided model class. It s possible to specify a callback method or custom validation constraints. Validation rules

can also be specified in YML, XML or PHP. **List of Built-in Validation Constraints:** Basic: NotBlank, Blank, NotNull, Null,

 String: Email, MinLength, MaxLength, Url, Regex, Ip Number: Max, Min • Date: Date, DateTime, Time

• File: File, Image

Collection: Choice, Collection,

Data objects do not only need validation when working with forms (imagine an importer) - thus, Symfony2 provides the validator service independent of forms.

Spost = new BlogPost(); Spost->setTitle('My first'); \$v = \$this->get('validator'); / array of ConstraintViolation Serrs = \$v->validate(\$post);

Bundles & Service Container

Bundles

Create a bundle There is a simple command to generate the bundle skeleton. Just keep the defaults unless you have other conventions in your project.

app/console generate:bundle --namespace=Acme/BlogBundle If you confirm, the command will also make the necessary changes to app/AppKernel.php and the main routing configuration.

Most important folders in a bundle: • Controller/ contains classes that handle request • Resources/config/contains all configuration files of the bundle

 Resources/views/contains the bundle templates, organised by controller name Resources/public/is copied or symlinked to the web/directory with assets:install, for images or other static files Tests/ contains tests for your bundle

Adding a bundle to your project The following applies to Symfony 2.0.*. Symfony 2.1 will introduce a new system to track dependencies.

To add a third party bundle to your project first add it to the deps file in the main project

git=http://github.com/acme

/SharedBundle.git target=/bundles/Acme /SharedBundle version=v1.0 ylibrary] git=http://github.com/acme /my-library.git target is used to specify a directory, relative to the directory vendor/. If

kernel.request: Incoming request – create response or prepare for controller branch, a tag or a commit hash. (everything you can use with git checkout

 Once deps is created, run bin/vendors • kernel.view: Controller returned If the code is not in vendor/bundles you first implement your own view system need to add an entry to app/autoload.php

... (other namespaces) 'My\\Namespace' => DIR .'/../vendor/my-library', error handling

Bundles need to be registered with the

loader->registerNamespaces(array

omitted the remote is checked out as

current master is used. This can be a

• version is optional, if omitted the

subdirectory of vendor/

install to fetch the code.

app/AppKernel.php public function registerBundles() \$bundles = array(... (other bundles)

\DemoBlogBundle(),

If the bundle provides its own routes you need to load the routing file in the main routing configuration. prefix can be used to prepend a path to all routes coming from that bundle. \$event->stopPropagation();

app/config/routing.yml AcmeSharedBundle: resource: "@AcmeSharedBundle/ Resources/config/ routing.yml"

Service Container A service definition is only executed when the service is actually requested.

prefix: /

config/services.xml <parameters> <parameter key="demo blog.</pre> helper class">Demo\Blog

Bundle\Helper\Helper (/parameter> <parameter key="demo blog.</pre>

param">param</parameter> (/parameters> (services> <service id="demo blog.</pre> helper" class="%demo blog.

</argument> (/service> <service id="demo blog.main</pre> controller" ... <argument type="service"</pre>

/services> Naming conventions to avoid name clashes: Bundle name with namespaces separated by "_", then a "." and a telling name. service class constructor. They can be values

id="demo blog.helper"/>

Special service bootstrap In the service definition, you can also call a method on the service class, or use <file> to include php files incompatible

with PSR-0. <service id="acme blog.main</pre> controller" . <file>%kernel.root dir%/../

Load service configuration directly For simple cases, you can directly load the

app/config/config.yml imports: - { resource: @DemoBlogBundle

Container extension

If you have a complex bundle, you can write a Dependency Injection Extension to load your services and allow for a user friendly configuration, validation and so on.

http://www.liip.ch/

See the Symfony2 cookbook

The Event system is one way to decouple different parts of your code and get around limitations of single-inheritance. It implements the Observer pattern. There are three elements needed to use events in Symfony: the Event itself, Event Listeners or Subscribers that react to events being fired, and the Event Dispatcher that matches the events to the

• **kernel.controller:** Controller will be called - use to change controller when needed

public \$post; public function construct(something else than a Response – use to • kernel.response: A response is returned to the client – use to alter the response

before it is sent out • **kernel.exception:** An exception was thrown – use to implement your own

isteners and Subscribers are two options. to wait for an event to be triggered. The difference is that listeners are registered for specific events, while subscribers have a function that returns the events they want to

Each type of event has a name. Several listeners can be registered for the same event, with optional priorities to control who comes first. Any listener can stop propagation of the event by calling

gistering event listeners using service tag The easiest way is to register a service as event listener by tagging it with

kernel.event listener:

with the event

lass Listener

priority: set the priority

istering an event listener

get the event dispatcher object):

function onNewPost(

NewPostEvent \$event)

// add post to RSS feed

eventDispatcher->addListener(

array(\$listener, 'onNewPost'),

The first argument is the event name

to be called when the event happens.

• The **third argument** is the priority, used

when there are several listeners for the

• The **second argument** defines the method

used when triggering the event.

The array notation is used to call

\$listener->onNewPost().

gistering an event subscriber

get the event dispatcher object):

use Symfony\Component\

EventDispatcher\

Event subscribers are always registered

programmatically (see below for how to

demoblog.newPostAdded',

demo.blogbundle.post_listener: lass: Demo\BlogBundle\ EventListener\PostListener

method: onNewPost, priority: 5 } name: must be kernel.event listener event: name of the event you want to listen to

method: method on the service class to call

Your functional tests will need a working symfony environment. The easiest way to get one is by extending from: An event listener can also be registered Symfony\Bundle\FrameworkBundle\ programmatically (see below for how to Test\WebTestCase use Demo\BlogBundle\Event\PostEvent

Functional Tests

src/Demo/BlogBundle/Tests/Controller, BlogControllerTest.php namespace Demo\BlogBundle\ Tests\Controller;

use Symfony\Bundle\Framework

Bundle\Test\WebTestCase; class BlogControllerTest extends WebTestCase

public function testIndex()

client is used to simulate a web browser connecting to symfony.

Notable methods on client: • request() method: see below

 Navigation: back(), forward(), reload() getHistory() Internal objects: getCookieJar(), getRequest(), getResponse(), getCrawler()

• Configuration: followRedirects(true | false)

followRedirect()

The request simulates a web request to a given url. It accepts a couple of parameters:

• method: GET, POST, . • url: path in symfony to request, i.e. /blog parameters: key-value array of request parameters, i.e. array("id" => 1)

to simulate /blog?id=1 • files: uploaded files, same format as server: values as used in \$_SERVER,

i.e. HTTP_ACCEPT_LANGUAGE or HTTP_REFERRER content: raw content for POST or PUT

Integrate the solr client solarium • filter('div.myclass'): match on CSS selector

RabbitMqBundle:

• siblings(): all siblings of current node • nextAll(): all following siblings LiipCacheControlBundle:

> caching proxies GoogleBundle:

ded Functionality • AsseticBundle: Manage css and javascript, integrates

Google analytics integration

less, sass, yui compressor & many more FOSRestBundle: Handle REST the easy way

FOSJsRoutingBundles

• FOSUserBundle: Extended user management

Framework for admin backend for

SonataMediaBundle: Media management with SonataAdminBundle

TranslationEditorBundles Web based UI to edit translation files KnpMenuBundle:

 KnpPaginatorBundle: KnpMarkdownBundle: Markdown rendering

LiipImagineBundle:

Image manipulation library with twig integration LiipThemeBundle: Theming for symfony 2 bundles

based on content StofDoctrineExtensionBundle To use the doctrine extensions

in Symfony JMSSecurityExtraBundle:

of tailor-made, agile web applications. munities. Such involvement and commit-State-of-the-art technologies, tried and ment is actively fostered by Liip. tested industry standards and opensource software are the foundations on Please contact us if you are interested i which our services are built.

controller, use \$this->get('router'); to fetch the service.

> ming languages: oreach-like loop iterating over all articles of a blog

We regularly win awards for the know- around Symfony 2.

% for a in blog.arts %}

ock: Template Inheritance

his enables you to build websites out of multiple components which are created by different software modules (e.g. the sidebar of a website is being generated by a Sidebar module and the main content is created by the controller responsible for the current

decorate parts of the parent template:

A template may contain blocks.

Twig comes with a mechanism called emplate Inheritance.

Blocks allow inheriting templates to

Blocks can be overridden by inheriting templates.

• Inheritance is defined by using the extends tag. Inheriting templates can call the

parent-block Top-Level Template

"base.html.twig" <head> {% block header %} <title>My Blog | {% block title %}{% endblock %} </title> % endblock %}

<div id="sidebar">...</div> (div id="content"> {% block content %] <div id="statistics">Page views: {{ page views }} </div> {% endblock %}

(/head>

/div>

/body> Controller Template "scr/Demo/BlogBundle/Ressources/

views/Blog/archive.html.twig" extends '::base.html.twig' %} block title %}Archive % endblock %} block content %} {# print archived articles #}

{{ parent() }} % endblock %} To render the output of another controller

page with independent components managed by different controllers. (div class="blogStatistics">

{% render "DemoBlogBundle:

Blog:statistics" %}

you can call one from your templates!

This is especially helpful when rendering a

Model

API of Doctrine2 is the **EntityManager**. Entity Manager and Entity Objects

Doctrine2

Object Relational Mapper

concept is sometimes referred to as partials. \$a = new Article(); The bundle name is expanded to the folder \$a->setTitle("My Article"); Resource/view inside that bundle folder. If omitted, the current bundle is used. It is possible

> Repositories Repositories provide advanced mechanisms for finding entity objects: \$repo = \$em->getRepository

Custom repository classes help organizing special find operations for one entity class.

xsi:schemaLocation="..."> <entity name="Demo\BlogBundle"</pre> \Entity\Article" table="article">

//visitor specific attributes

mation you have to store in your database.

Validation

Validation

namespace Demo\BlogBundle\ Controller; use Symfony\Bundle\Framework Bundle\Controller\Controller; use Symfony\Component\Http

use Demo\BlogBundle\Entity\ BlogPost; protected \$title; class BlogController extends Controller public function newAction(Request \$request

\$form = \$this-> createFormBuilder(\$post) ->add('title', 'text') ->add('date', 'date') ->getForm(); return \$this->render(

'DemoBlogBundle:Blog:new

.html.twig', array('form'

=> \$form->createView(),

\$post = new BlogPost();

sform = \$this->createFormBuilder

array('label' => 'Title')) ->add('date', 'date', array('widget' => 'single text', 'label' => 'Date', ->getForm(); label" is available on every field type. For some field types (e.g. "date"), it is possible

on your validation rules. List of Built-in Field Types: • Text Fields: text, textarea, email, integer, money, number, password,

• Choice Fields: choice, entity, country, language, locale, timezone • Date and Time Fields: date, datetime, time, birthday • Other Fields: checkbox, file, radio • Field Groups: collection, repeated

• Hidden Fields: hidden, csrf

• Base Fields: field, form

percent, search, url

lendering a form %form action="{{ path('blog new') }}" method="post" {{ form enctype(form) }}> {{ form widget(form) }} <input type="submit" />

A hidden field with a token gets rendered

Adding the novalidate attribute to the form

o achieve a custom structure, the elements

of the form can also be rendered manually

(see following example in the next column).

into the form automatically to prevent

ag prevents HTML5 form validation

(i.e. for testing).

cross-site request forgery (CSRF).

Constraints as Assert;

the form again.

True, False, Type

UniqueEntity, Language, Locale, Country Other: Callback, All, Valid

"%") or services identified by id.

</service>

vendor/my-library/file.php </file> (call method="setOption"> <argument>foo</argument

configuration file from your main app/config/config.yml

for configurable services

entry for more information: http://bit.ly/symfony-extensions

Event System

e event steners. It has to extend the Symfony\

> namespace Demo\BlogBundle\Event; use Symfony\Component\Event

> > \$post

he event dispatcher

or from the container

event =

lesting

isteners are registered in the Event Dispat-

cher (see above). To trigger an event, you

Usually you want to use the global event dis

patcher service called event dispatche

which you can get with dependency injectior

new NewPostEvent(\$post);

eventDispatcher->dispatch(

read http://bit.ly/symfony-phpunit

By convention, tests are placed in the

Tests subfolder of the bundle, replicating

the namespace structure of your bundle.

your app/folder. Then you can run your

bundles and components as well.

tests with phpunit -c app/.Otherwise

phpunit will try to run the tests of the vendor

\$this->post = \$post;

tell the dispatcher which will call all registechain calls.

'demoblog.newPostAdded', \$event) • first(): first node in list

Symfony 2 uses phpunit for testing. If you are not familiar with this tool, you should first

• reduce(\$lambda): nodes for which the callback \$lambda returns true • attr('href'): the value of the specified attribute of first node You should place a phpunit.xml.dist file into

• children(): direct children nodes

• last(): last node in list

o do tests on the response header, use the response from \$client->getResponse().

• text(): text content of first node

nodes. use _text for text value.

Testing interaction and forms \$1 = \$crawler->selectLink('Home')->link(); \$crawler = \$client->click(\$1);

\$f = \$crawler->selectButton

\$f['form name[comment]'] =

\$crawler = \$client->submit(\$f);

('submit')->form();

\$f['name'] = 'Tester';

'Test comment';

\$f['choice']->select('entry'); \$f['agb']->tick(); \$f['myfilefield']->upload('/path/to/file.png');

 $^{\prime}/$ submit the form f

Do you plan a project using Symfo- Short time-to-market cycles and ou

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ny 2, do you need help migrating standing know how in the fields o from V1 to V2 or can we support Symfony, PHP and JavaScript are you regarding the concept and ana- the basis to ensure a unique imple ysis of your project? If so, May- metation by Mayflower. Optiona lower is your perfect project part- $\,$ we offer a 24/7 support for you. ner. With more than 60 PHP and JavaScript developers, we are able Contact us: to realize large-scale projects within sales@mayflower.de teams working in an agile workflow. T 0049 931 35965 1177

self::createClient();

request('GET', '/blog')

\$this->assertTrue(\$crawler

->filter('html:contains(

"Dummy Post") ') ->count()

\$crawler = \$client->

\$client =

> 0);

This example uses the additional

convenience methods provided by the

• selectLink(): find a link with this text or with an image with this alt attribute. Call link() on this to get a link object usable with the client.

 selectButton(): select the button in a form Call form() on this to get the form this button is part of.

Resources

There is awesome stuff out there, use it! Try to not re-invent the wheel but reuse existing bundles. If they are not perfect, ork them and do pull requests to make them perfect. This is more sustainable and

keeps the open source eco system alive. A good place to look for oundles is: http://knpbundles.com

Notable Bundles

se MongoDB

SncRedisBundle:

• FOSFacebookBundle:

FOQElasticaBundle:

Integrate elasticsearch

NelmioSolariumBundle

Twitter integration helper

Integrate rabbit ma message queue

FOSTwitterBundle:

Facebook integration

DoctrineMongoDBBundle:

DoctrinePHPCRBundle:

PHP content repository

abstraction layer for the NoSQL databa

abstraction layer for the tree-oriented

Integrate with the redis key-value store

Additional features for the security component LiipFunctionalTestBundle:

BehatBundle, MinkBundle: Integrate behat/mink testing framework into symfony

© 2012 Mayflower GmbH, Liip AG | Concept: Lukas Smith, David Buchmann, Paul Seiffert, Jochen Seelig | Las of: March 2012

http://www.mayflower.de/ http://www.symfony.com/

Doctrine also exists for non-relational databases: There is a version for the NoSQL database MongoDB and one for the

protected \$title;

http://bit.ly/symfony-associations

* @ORM\Column(type="integer")

new BlogPost()) ->add('title', 'text',

to configure the rendering. Custom widgets are possible as well. If no field type is provided, Symfony2 guesses the file type based

database schema which are

ocess form submission ublic function newAction(Request \$request if (\$request->getMethod() ==

token is still rendered.

</div>

%form action="{{ path(

'blog new') }}" method="post"

{{ form enctype(form) }}>

{ form row(form.title) }}

<div class="custom class">

{{ form label(form.date) }

{{ form widget(form.date) }}

{ form errors(form) }}

{{ form rest(form) }}

<input type="submit" />

{ form rest(form) }} should

always be added to make sure the CSRF.

'POST') { // \$f is FormBuilder \$f->bindRequest(\$request); if (\$f->isValid()) { // save post to DB... return \$this->redirect(\$this->generateUrl('home'));

indRequest fills the form object with the submitted data. The controller action that nandles a form usually does three things: When called with GET, it renders the form. 2. When called with POST and valid data, it saves the data and redirects the user. B. When called with POST and invalid data

it binds the data to the form and renders

new Demo\BlogBundle

app/autoload.php

{name: kernel.event listener event: demoblog.newPostAdded src/Acme/BlogBundle/Resources/

helper class%"> <argument> %demo_blog.param%

Arguments are normal parameters to the (resp. configuration options resolved with

</argument> </call>

/Resources/config/services.yml

EventSubscriberInterface; lass NewPostEventSubscriber extends EventSubscriber Interface public function

return array(

getSubscribedEvents()

// without priority

=> 'onNewPost'

// with priority

'demoblog.newPostAdded'

'demoblog.newPostAdded'

=> array('myMethod', 5)

public function onNewPost(NewPostEvent \$event) // add post to RSS feed

To build your own events, you need an Event lass. This class is simply a container for the ontext data of the event and passed to the

The getSubscribedEvents() function

has to return an array of 'event name'

or an array of function name, priority).

The subscriber is added to the event dis-

patcher with \$eventDispatcher->

NewPostEventSubscriber());

function name on this object

ddSubscriber(new

spatcher\Event; lass NewPostEvent extends Event

omponent\EventDispatcher\Even

The request method returns the crawler. This is a ¡Query-like wrapper to work with the HTML DOM tree of the response. The crawler provides a fluent interface, you can

> filterXpath('h1'): match on XPath expression • eq(3): access by index

previousAll(): all preceding siblings Integrate varnish (and potentially other) • parents(): parent nodes from direct parent to top node

extract(): array of attribute values of all

Provide symfony routes to javascript FOSCommentBundle: Handle comments on any page

SonataUserBundles Integration of FOS-UserBundle with SonataAdminBundle

Sonata Admin Bundle

your entities

Build and render menu systems Pagination and sorting of data

ChainRoutingBundle: Uses several routers and can do routing

Additional testing features like HTML5 validation and fixture loading

In Twig, all loops are done using the **for** tag. If provides more flexibility than a regular for-loop in PHP or most other program-

showAction }

View

.. }} PRINTS something

- Math: +, -, /, %, /, *, **
- Demo\BlogBundle\Controller; HttpFoundation\Response;
- renderResponse('DemoBlog
- Routing
- First parameter is the **route name**. (the values for a route's parameters.
- locale: de} requirements: _locale: en|de

how and experience that we invest in innovative projects for the Swiss market. www.liip.ch A large number of our employees en- twitter.com/liip

{{ a.body }} for key,a in blog.arts %} <h1>Article No {{key}}</h1> {{ a.body }}

DemoBlogBundle:Blog:show, requirements: id: \d+

array('id' => 222), false); tainer as "router". Either inject it with Dependency Injection or when extending the base

DemoBlogBundle:Blog:about,