



Symfony

FORM COMPONENT

Field	class that converts submitted data to normalized values
Form	collection of fields that knows how to validate itself
Template	file that renders a form or a field in HTML
Domain objects	an object a form uses to populate default values and where submitted data is written

FIELDS

BirthdateField	FileField	PercentField
CheckboxField	HiddenField	RepeatedField
ChoiceField	IntegerField	TextField
CollectionField	LanguageField	TextareaField
CountryField	LocaleField	TimeField
DateField	MoneyField	TimezoneField
DateTimeField	NumberField	UrlField
EntityChoiceField	PasswordField	

```

// src/Acme/HelloBundle/Contact/ContactForm.php
namespace Acme\HelloBundle\Contact;

use Symfony\Component\Form\Form;
use Symfony\Component\Form\TextField;
use Symfony\Component\Form\TextareaField;
use Symfony\Component\Form\CheckboxField;

class ContactForm extends Form {
    protected function configure() {
        $this->add(new TextField('subject',
            array('max_length' => 100, )));
        $this->add(new TextareaField('message'));
        $this->add(new TextField('sender'));
        $this->add(new CheckboxField('ccmyself',
            array('required' => false, )));
    }
}

```

FIELD OPTIONS

```

data
required
disabled
trim
property_path

use Symfony\Component\Form\TextField

$field = new TextField('name',
    array(
        'data' => 'Custom default...',
        'property_path' => 'token',
    ));

```

VALIDATOR (constraints)

Choice	Max	Time
Collection	MaxLength	True
Date	Min	Type
DateTime	MinLength	Url
Email	NotBlank	Valid
False	NotNull	
File	Regex	

```

# Acme/BlogBundle/Resources/config/validation.yml
Acme\BlogBundle\Author:
    properties:
        firstName:
            - NotBlank: ~
            - MinLength: 3
        lastName:
            - NotBlank: ~
            - MinLength: 3

```

CUSTOM HTML (templates)

form_ enctype	Outputs the enctype attribute of the form tag. Required for file uploads
form_ errors	Outputs the tag with errors of a field or a form
form_ label	Outputs the <label> tag of a field
form_ field	Outputs HTML of a field or a form
form_ hidden	Outputs all hidden fields of a form

```

Twig
{{ form_field(form.title, { 'class': 'important' }) }}

PHP
echo $view['form']->render($form['title'],
    array('class' => 'important' ));

Twig
{{ form_label(form.title) }}

PHP
echo $view['form']->label($form['title']);

```

All labels and error messages are automatically internationalized

Helpers

	Twig Block	PHP Template Name
errors	errors	FrameworkBundle:Form:errors.php
hidden	hidden	FrameworkBundle:Form:hidden.php
label	label	FrameworkBundle:Form:label.php
render	selects the template to render based on the underscored version of the field's class name	

```

{# TwigBundle::form.html.twig #}

{% block errors %}
    {% if errors %}
        <ul>
            {% for error in errors %}
                <li>{% trans error.0 with error.1 from
                    validators %}</li>
            {% endfor %}
        </ul>
    {% endif %}
{% endblock errors %}

```

PROTOTYPING Render the form (all fields)

```

Twig
<form action="#" {{ form_ enctype(form) }}
    method="post">
    {{ form_ field(form) }}
    <input type="submit" />
</form>

PHP
<form action="#" <?php echo $view['form']->
    enctype($form) ?? method="post">
    <?php echo $view['form']->render($form) ??
    <input type="submit" />
</form>

```