

TYPO3.Fluid - Feature #9514

Support explicit Array Arguments for ViewHelpers

2010-08-30 19:01 - Sebastian Kurfuerst

Status:	New	Start date:	2010-08-30
Priority:	Should have	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Has patch:			

Description

We have been brainstorming over some additions to fluid syntax.

- Imagine you have a ViewHelper with the following Render Method signature:
function render(array \$bla)
- then it would be very nice if one could write the following:
<f:xy arr.someArrayKey="foo" /> // "foo" is not validated, as we do not have any more type information.
- Additionally, one could override specific key/value pairs of array arguments:
<f:xy arr="{myArray}" arr.someArrayKey="foo" /> // "foo" is merged into {myArray}

Additionally, one could register specific array keys, and validate them. Imagine the following argument registration:
\$this->registerArgument('foo.bar', 'boolean', REQUIRED=TRUE);

- Now, it is validated that foo.bar is a boolean value, which exists; so you would know that \$this->arguments['foo']['bar'] is really a boolean and it is set.

What needs to be changed internally:

On compile time:

- TemplateParser->abortIfUnregisteredArgumentsExist(\$expectedViewHelperArguments, \$argumentsObjectTree);
 - if Argument name is "bla.blubb", check that either the argument "bla.blubb" or the argument "bla" has been explicitly registered (and "bla" is an array)
- TemplateParser->abortIfRequiredArgumentsAreMissing(\$expectedViewHelperArguments, \$argumentsObjectTree);
 - do not abort if "bla.blubb" is not registered, but "bla" is.

On run-time: Type checking

- change validateArguments in AbstractVH
 1. MERGING von "arr.abcde" und "arr" (Punkt-Syntax überschreibt)
 2. VALIDIERUNG (von *allen* regeln) -> d.h. wenn es eine Regel "arr.abcde" gibt, dann wird geschaut ob es diesen Array Key gibt

Examples of possible usage

```
<f:widget.paginate objects="{posts}" configuration.position="top" configuration.itemsPerPage="3" configuration.linkCurrent="false" />
<==>
```

```
<f:widget.paginate objects="{posts}" configuration="{position: 'top', itemsPerPage: 3, linkCurrent: 'false'}" />
```

Shorthand Sntax

Will work like the explicit syntax:

```
{f:widget.paginate(objects: posts, configuration.position: 'top')}
```

However, for Arrays, this is NOT ALLOWED: {foo: {bar: '123'}} {foo.bar: '123', foo: {bar: '123'}} < this should be forbidden!

History

#1 - 2011-05-05 18:32 - Sebastian Kurfuerst

- Tracker changed from Major Feature to Story

#2 - 2011-05-06 11:03 - Sebastian Kurfuerst

- *Tracker changed from Story to Feature*