

TYPO3.Flow - Feature #7407

Edit nested properties of a domain model within a form

2010-04-21 18:26 - Michael Tauer

| | | | |
|------------------------|-------------------|------------------------|------------|
| Status: | Resolved | Start date: | 2010-04-21 |
| Priority: | Should have | Due date: | |
| Assignee: | Bastian Waidelich | % Done: | 100% |
| Category: | Property | Estimated time: | 0.00 hour |
| Target version: | | Complexity: | |
| PHP Version: | | | |
| Has patch: | No | | |

Description

Motivation

This should give some background information and introduce the issue for a special example:

I am planning to build a flexible (and more or less complex) web application based on FLOW3. Therefore I want to localize titles and descriptions for different objects. Because I don't want to implement some properties like titleDE, titleEN, titleES, ... for all the domain models my idea was to define a class named *LocalizedString* that contains a language key and a string. Every domain model that need different translations for a title or description defines this title/description property as an array of *LocalizedString* objects. I guess this design decision is comprehensible and I hope I'm not the only one who will do it that way. Now at this point I can't see any solution to edit multiple title strings within a form for the domain model because every single localized title string is no longer a property of the model itself but a property of a nested array of *LocalizedString* instances.

Issue

I think it would be very helpful for the framework to edit also nested properties within forms. This could be defined in the templates something like this:

a) for nested property objects

```
<f:form.textbox property="adress:street:number" />
```

```
<!-- The property "adress" contains a nested property "street" that itself contains a "name" and a "number" property.-->
```

b) for nested arrays

```
<f:form.textbox property="titles(0):string" />
```

```
<f:form.hidden property="titles(0):language" value="de-DE" />
```

```
<f:form.textbox property="titles(1):string" />
```

```
<f:form.hidden property="titles(1):language" value="en-GB" />
```

```
<!-- The numbers 0 and 1 are replaceable keys that only define properties of the same nested item -->
```

Currently I am doing a workaround for the PropertyMapper that will now parse nested properties as well but this is possibly not the best and smartest way to solve the problem. I also suppose that there are more places that have to be changed (possibly the persistence update function). ...and I don't know if all this will work in the end.

Please give a reply if anyone has an idea of solving the problem. I think a good solution could be interesting for many other applications too (e.g. to edit multiple comments of one post, to edit properties of multiple items of a booking order, to encapsulate items of an adress as single class and edit the street and city information directly within the form of a contact)

History

#1 - 2010-06-15 17:01 - Sebastian Kurfuerst

- Status changed from New to Needs Feedback

Hey,

I just stumbled over this issue, and partly this is already possible.

concerning case a), just use the dot syntax you know from fluid:

```
<f:form.textbox property="address.street.number" />, then it will just work.
```

b) is not easily possible right now, as a ViewHelper for that is still missing.

Please check if a) works :-)

#2 - 2013-09-24 18:10 - Bastian Waidelich

- *Status changed from Needs Feedback to Resolved*
- *Assignee set to Bastian Waidelich*
- *% Done changed from 0 to 100*
- *Has patch set to No*

In the meantime both scenarios are possible. (Though there are issues with validation of nested properties: [#50585](#))