

TYPO3.Flow - Feature # 7407

Status:	Resolved	Priority:	Should have
Author:	Michael Tauer	Category:	Property
Created:	2010-04-21	Assigned To:	Bastian Waidelich
Updated:	2013-09-24	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	Edit nested properties of a domain model within a form		
Description			
Motivation			
<p>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 <i>LocalizedString</i> 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 <i>LocalizedString</i> 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 <i>LocalizedString</i> instances.</p>			
Issue			
<p>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:</p> <p>a) for nested property objects</p> <pre><f:form.textbox property="adress:street:number" /> <!-- The property "adress" contains a nested property "street" that itself contains a "name" and a "number" property.--></pre> <p>b) for nested arrays</p> <pre><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 --></pre>			
<p>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.</p>			
<p>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 address as single class and edit the street and city information directly within the form of a contact)</p>			

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*

- *Assigned To 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)