

TYPO3.Flow - Feature # 44458

Status:	Closed	Priority:	Could have
Author:	Bastian Waidelich	Category:	Property
Created:	2013-01-11	Assigned To:	Bastian Waidelich
Updated:	2014-02-19	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	Allow deletion of sub objects		
Description			
Currently it's not possible to remove a subobject from an entity in it's updateAction without manual interaction.			
Example:			
Imagine you have a domain object Invoice with 1:n relation to Client and a n:n relation to InvoiceItem I want to display the invoice with its items and the related client. The user should be able to remove items and the client from the invoice and submit the form.			
Note: A solution would be to remove relations via AJAX but that's a different topic			
RFC:			
I could imagine following solution:			
Submit the form with			
<pre>1<input type="hidden" name="client[__remove]" value="1" /> 2<input type="hidden" name="items[__remove]" value="UUID1, UUID2" /></pre>			
an alternative syntax for the collection removal could be:			
<pre>1<input type="hidden" name="items[__remove][UUID1]" value="1" /> 2<input type="hidden" name="items[__remove][UUID2]" value="1" /></pre>			
The PersistentObjectConverter would have to take care of the removals probably.			
Security:			
We probably need a new constant PersistentObjectConverter::CONFIGURATION_DELETION_ALLOWED (in addition to CREATION and MODIFICATION) which need to be set in the propertyMappingConfiguration for the corresponding object.			

History

#1 - 2013-01-11 14:52 - Bastian Waidelich

- Priority changed from Should have to Could have

The above statement is not entirely true actually:

If you submit at least one item of a collection, the whole collection is replaced.

Thus it should be possible to remove single items from a collection by removing the respective form fields (e.g. via JavaScript).

This feature would still make sense for the **client** example and if you want to **remove** an item from the database

#2 - 2013-01-21 17:24 - Karsten Dambekalns

Bastian Waidelich wrote:

| *If you submit at least one item of a collection, the whole collection is replaced.*

True.

| *Thus it should be possible to remove single items from a collection by removing the respective form fields (e.g. via JavaScript).*

No - because "no fields transferred" means "no change" with the current implementation.

#3 - 2013-01-23 11:27 - Marco Falkenberg

Currently the property `PersistentObjectConverter` distinguishes not between collection or "normal" properties. I.e. collections gets replaced by their "incoming" collection. Thus partial updates are not possible.

My suggestion would be to offer the configuration of a **MappingMode** for collections in the `PersistentObjectConverter`. That could be **"Replace"** & **"Merge"**.

- **Replace**

is the default setting and replaces the collection as like in the current situation.

- **Merge**

adds new subitems, updates existing and deletes the ones that are marked as deleted (e.g. by some internal `'__remove'`-flags as Bastian mentioned above).

IMHO only adding & deleting has to be considered in the implementation, because updates are done by converting the child-properties of the `CollectionConverter`.

#4 - 2014-02-19 10:07 - Bastian Waidelich

- Status changed from *New* to *Closed*

- Assigned To set to *Bastian Waidelich*

..after a long time: It is actually possible to delete single items like so:

Before:

```
Item01 (UUID1):
name: "Some name"
Item02 (UUID2):
name: "Some other name"
```

```
1<input type="hidden" name="items" value="" />
```

```
2
```

```
3<input type="hidden" name="items[0][__identity]" value="<UUID1>" />
4<input type="hidden" name="items[0][name]" value="New name" />
```

Afterwards:

```
Item01 (UUID1):
name: "New name"
```

Note: The first hidden field makes sure that all items are removed if no further items[n] entry is sent.

Fluid already adds these hidden fields automatically, so this works out-of-the-box:

```
1<f:form.select property="items" multiple="true" options="{items}" />
```