

## TYPO3 Core - Task #82422

Epic # 82340 (New): EXT:form - improve documentation

### Documentation of "defaultValue"

2017-09-09 20:23 - Forger Service

<b>Status:</b>	Closed	<b>Start date:</b>	2017-09-09
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>	Bjoern Jacob	<b>% Done:</b>	100%
<b>Category:</b>	Form Framework	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	8	<b>Sprint Focus:</b>	Remote Sprint
<b>PHP Version:</b>			
<b>Tags:</b>	Documentation		

#### Description

Add the defaultValue option, supported by form viewhelper also to SingleSelect of ext:form, so one could define a preselected value of a select-field.

This issue was automatically created from <https://github.com/TYPO3/TYPO3.CMS/pull/81>

I will give an example here (after being rejected):

you add a select for countries, derived from static\_info\_tables.  
you want e.g. germany or austria preselected in this dropdown.

if you have only the prependOption possibilites, which Ralf Zimmermann labels as 'implemented' you need to grab that values in your array of your field.  
you need to remove them from there and add key and value to prependOption key and value.  
brutal.

furthermore you will destroy the ordering of the select, suddenly being germany the very first entry of the select. therefore you are breaking the navigation via keyboard through the options of the select, at least for these users, who want to fast-forward to the countries starting with 'G' ...

#### Associated revisions

##### Revision 54c6773a - 2018-05-17 13:50 - Bjoern Jacob

[TASK] Document 'defaultValue' handling of form

The form framework supports setting a 'defaultValue' for most of the form elements. This patch adds some information about this setting and outlines the difference to the 'prependOptionValue' setting.

Resolves: #82422

Releases: master, 8.7

Change-Id: I3b3be76ebe69ac0655e11ba501d62ee19b2d143f

Reviewed-on: <https://review.typo3.org/56991>

Reviewed-by: Anja Leichsenring <[leichsenring@ab-softlab.de](mailto:leichsenring@ab-softlab.de)>

Tested-by: Anja Leichsenring <[leichsenring@ab-softlab.de](mailto:leichsenring@ab-softlab.de)>

Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>

Reviewed-by: Ralf Zimmermann <[ralf.zimmermann@tritum.de](mailto:ralf.zimmermann@tritum.de)>

Tested-by: Ralf Zimmermann <[ralf.zimmermann@tritum.de](mailto:ralf.zimmermann@tritum.de)>

Reviewed-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

Tested-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

##### Revision 88e332a9 - 2018-05-17 14:18 - Bjoern Jacob

[TASK] Document 'defaultValue' handling of form

The form framework supports setting a 'defaultValue' for most of the form elements. This patch adds some information about this setting and outlines the difference to the 'prependOptionValue' setting.

Resolves: #82422  
Releases: master, 8.7  
Change-Id: lc3bbe76ebe69ac0655e11ba501d62ee19b2d143f  
Reviewed-on: <https://review.typo3.org/56993>  
Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>  
Reviewed-by: Ralf Zimmermann <[ralf.zimmermann@tritum.de](mailto:ralf.zimmermann@tritum.de)>  
Tested-by: Ralf Zimmermann <[ralf.zimmermann@tritum.de](mailto:ralf.zimmermann@tritum.de)>

## History

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### #1 - 2017-09-09 20:23 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/54078>

### #2 - 2017-09-10 15:53 - Ralf Zimmermann

- Category set to Form Framework

This is already implemented:

<https://docs.typo3.org/typo3cms/extensions/form/latest/Config/proto/formElements/formElementTypes/SingleSelect.html#properties-prependoptionlabel>  
<https://docs.typo3.org/typo3cms/extensions/form/latest/Config/proto/formElements/formElementTypes/SingleSelect.html#properties-prependoptionvalue>

### #3 - 2017-09-10 16:02 - Christian Kuhn

- Status changed from Under Review to Rejected

### #4 - 2017-09-10 18:31 - Clemens Riccabona

Prepending some option != preselecting existing option by value

just sayin ...

### #5 - 2017-09-10 18:36 - Clemens Riccabona

- Description updated

### #6 - 2017-09-11 12:58 - Ralf Zimmermann

- File `form_backend.png` added

The default value is also implemented IMHO.

```
type: SingleSelect
identifier: singleselect-1
label: 'Single select'
defaultValue: wwwwww
properties:
  options:
    sdf: sdf
    wwwwww: www
```

sdf

Step 1 of 1

Step

SingleSelect: singleselect-1

Single select sdf  
www

Create new element

Single select

Label

Single select

Inactive option

If set, this label will be shown as first option.

Choices

Label	Value	Selected
sdf	sdf	<input type="checkbox"/>
www	wwwwww	<input checked="" type="checkbox"/>
+		

#7 - 2017-09-11 13:00 - Ralf Zimmermann

- File deleted (form\_backend.png)

#8 - 2017-09-11 13:00 - Ralf Zimmermann

- File form\_backend.png added

#9 - 2017-09-19 18:18 - Christian Kuhn

- Status changed from Rejected to Under Review

re-opened.

#10 - 2017-09-26 15:48 - Ralf Zimmermann

This is ONLY a documentation task.

The "defaultValue" fallback is done within:

```
\TYPO3\CMS\Fluid\ViewHelpers\Form\AbstractFormFieldViewHelper::getPropertyValue()
```

```
ObjectAccess::getPropertyPath($formObject, $this->arguments['property']);
```

\$formObject = TYPO3\CMS\Form\Domain\Runtime\FormRuntime which implements \ArrayAccess.

If \$formObject[\$formElementIdentifier] has no value (and "value" means "submitted data"), then the FormRuntime returns the value from the property "defaultValue".

If you set the viewhelpers "value" property with the elements "defaultValue" property than this value will be selected every time!

Please make a formDefinition and add 2 pages

```
type: Form
identifier: select-test
label: select-test
prototypeName: standard
renderables:
-
  type: Page
  identifier: page-1
  label: Step
  renderables:
  -
    type: MultiSelect
    identifier: multiselect-1
    label: 'Multi select'
    properties:
      options:
        foo1: bar1
        foo2: bar2
        foo3: bar3
    type: MultiSelect
    identifier: multiselect-1
    label: 'Multi select'
```

```

        defaultValue:
            - foo1
            - foo3
    -
        type: SummaryPage
        identifier: summarypage-1
        label: 'Summary step'

```

select "bar2" and go to the summary step. Now go back to the first step. As you can see, patchset 1 will select the selection from the "defaultValue" property again.

But without the patchset 1 every is still fine.

Or use it by code (without the patchset 1):

formDefinition:

```

type: Form
identifier: select-test
label: select-test
prototypeName: standard
renderables:
    -
        type: Page
        identifier: page-1
        label: Step
        renderables:
            -
                type: MultiSelect
                identifier: multiselect-1
                label: 'Multi select'
                type: MultiSelect
                identifier: multiselect-1
                label: 'Multi select'
            -
                type: SummaryPage
                identifier: summarypage-1
                label: 'Summary step'

```

ext\_localconf.php

```

$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['ext/form']['initializeFormElement'][1506431770]
    = \TRITUM\FormExample\Hooks>SelectHook::class;

```

Classes/Hooks/SelectHook.php

```

<?php
namespace TRITUM\FormExample\Hooks;
use TYPO3\CMS\Form\Domain\Model\Renderable\RenderableInterface;

class SelectHook
{
    public function initializeFormElement(RenderableInterface $renderable)
    {
        if ($renderable->getUniqueIdentifier() === 'select-test-1-multiselect-1') {
            $renderable->setProperty('options', [
                'foo1' => 'bar1',
                'foo2' => 'bar2',
                'foo3' => 'bar3'
            ]);
            $renderable->setDefaultValue([
                'foo1',
                'foo3'
            ]);
        }
    }
}

```

Works for me. Since the "defaultValue" property is missing within the docs, this should be covered by this patch, but NOT the template changes.

**#11 - 2018-02-22 21:59 - Ralf Zimmermann**

- Status changed from Under Review to Accepted

**#12 - 2018-03-16 00:52 - Ralf Zimmermann**

- Subject changed from [TASK] Add preselection to SingleSelect to Dokumentation of "defaultValue"

**#13 - 2018-03-16 00:57 - Ralf Zimmermann**

- Tags set to Documentation

**#14 - 2018-03-16 01:00 - Ralf Zimmermann**

- Parent task set to #82340

**#15 - 2018-03-18 01:01 - Ralf Zimmermann**

- Subject changed from Dokumentation of "defaultValue" to Dokumentation of "defaultValue"

**#16 - 2018-05-17 10:13 - Bjoern Jacob**

- Status changed from Accepted to In Progress

- Assignee set to Bjoern Jacob

**#17 - 2018-05-17 13:03 - Gerrit Code Review**

- Status changed from In Progress to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56991>

**#18 - 2018-05-17 13:24 - Bjoern Jacob**

- Sprint Focus set to Remote Sprint

**#19 - 2018-05-17 13:29 - Gerrit Code Review**

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56991>

**#20 - 2018-05-17 13:42 - Gerrit Code Review**

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56991>

**#21 - 2018-05-17 14:00 - Bjoern Jacob**

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [54c6773a85cd152dde1dd8b6c21609a4c68bc35b](#).

**#22 - 2018-05-17 14:02 - Gerrit Code Review**

- Status changed from Resolved to Under Review

Patch set 1 for branch **TYPO3\_8-7** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56993>

**#23 - 2018-05-17 14:30 - Bjoern Jacob**

- Status changed from Under Review to Resolved

Applied in changeset [88e332a9e50610cb935906d97e8c03bf4f234983](#).

**#24 - 2018-10-02 10:57 - Benni Mack**

- Status changed from Resolved to Closed

## Files

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form_backend.png	26.2 KB	2017-09-11	Ralf Zimmermann
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