

TYPO3 Core - Epic #63846

Refactoring of form element classes

2014-12-14 22:28 - Frank Naegler

Status:	Closed	Start date:	2014-12-14
Priority:	Should have	Due date:	
Assignee:	Frank Naegler	% Done:	100%
Category:	Backend API	Estimated time:	0.00 hour
Target version:	7.1 (Cleanup)		
Sprint Focus:			
Description			
<p>Remove dependency to the parent object (FormEngine) in all form element classes. All form classes get the FormEngine injected and use methods of this class. Our goal is to remove this dependency and cleanup the FormEngine class as much as possible.</p> <p>At the moment, the main FormEngine class and the sub element render classes like "InputElement" are tied together that the sub classes get the according FormEngine injected and call methods on this parent class very often. This is codewise ugly and should be resolved. Having the sub classes independent from FormEngine with a clean interface will show its dependencies much clearer and will simplify refactorings a lot.</p>			
Subtasks:			
Task # 63847: Remove dependency to \$this->formEngine->renderReadOnly			Closed
Task # 63848: Remove dependency to \$this->formEngine->initItemArray()			Closed
Task # 63849: Remove dependency to \$this->formEngine->proclItems()			Closed
Task # 63850: Remove dependency to \$this->formEngine->insertDefStyle			Closed
Task # 63851: Remove dependency to \$this->formEngine->elName()			Closed
Task # 63852: Remove dependency to \$this->formEngine->getAvailableLanguages			Closed
Task # 63853: Remove dependency to \$this->formEngine->getLanguageIcon()			Closed
Task # 63854: Remove dependency to \$this->formEngine->pushToDynNestedStack()			Closed
Task # 63855: Remove dependency to \$this->formEngine->sL			Closed
Task # 63856: Remove dependency to \$this->formEngine->getDynTabMenu			Closed
Task # 63857: Remove dependency to \$this->formEngine->requiredElements			Closed
Task # 63858: Remove dependency to \$this->formEngine->additionalJS_post			Closed
Task # 63859: Remove dependency to \$this->formEngine->additionalJS_submit			Closed
Task # 63860: Remove dependency to \$this->formEngine->additionalJS_delete			Closed
Task # 63861: Remove dependency to \$this->formEngine->getSingleField_SW()			Closed
Task # 63862: Remove dependency to \$this->formEngine->previewFieldValue()			Closed
Task # 63863: Remove dependency to \$this->formEngine->getAdditionalPreviewLanguages()			Closed
Task # 63864: Remove dependency to \$this->formEngine->renderVDEFDiff			Closed
Task # 63865: Remove dependency to \$this->formEngine->registerRequiredProperty()			Closed
Task # 63866: Remove dependency to \$this->formEngine->getSpecConfFromString			Closed
Task # 63867: Remove dependency to \$this->formEngine->backPath			Closed
Task # 63868: Remove dependency to \$this->formEngine->defaultMultipleSelectorStyle			Closed
Task # 63869: Remove dependency to \$this->formEngine->dbFileIcons()			Closed
Task # 63870: Remove dependency to \$this->formEngine->edit_docModuleUpload			Closed
Task # 63871: Remove dependency to \$this->formEngine->getClickMenu()			Closed
Task # 63872: Remove dependency to \$this->formEngine->renderWizards()			Closed
Task # 63873: Remove dependency to \$this->formEngine->maxInputWidth			Closed
Task # 63874: Remove dependency to \$this->formEngine->formWidthAsArray()			Closed
Task # 63875: Remove dependency to \$this->formEngine->getSingleField_typeNone_render()			Closed
Task # 63876: Remove dependency to \$this->formEngine->extJSCODE			Closed
Task # 63877: Remove dependency to \$this->formEngine->optionTagStyle()			Closed
Task # 63878: Remove dependency to \$this->formEngine->getLL			Closed

Task # 63879: Remove dependency to \$this->formEngine->setTSConfig()	Closed
Task # 63880: Remove dependency to \$this->formEngine->addItems()	Closed
Task # 63881: Remove dependency to \$this->formEngine->getStructureLevel()	Closed
Task # 63882: Remove dependency to \$this->formEngine->inlineData	Closed
Task # 63883: Remove dependency to \$this->formEngine->inline	Closed
Task # 63884: Remove dependency to \$this->formEngine->getIconHtml()	Closed
Task # 63885: Remove dependency to \$this->formEngine->extractValuesOnlyFromValueLabelLi...	Closed
Task # 63886: Remove dependency to \$this->formEngine->overrideFieldConf()	Closed
Task # 63887: Remove dependency to \$this->formEngine->charsPerRow	Closed
Task # 63888: Remove dependency to \$this->formEngine->RTEenabled	Closed
Task # 63889: Remove dependency to \$this->formEngine->getTSCpid	Closed
Task # 63890: Remove dependency to \$this->formEngine->disableRTE	Closed
Task # 63891: Remove dependency to \$this->formEngine->RTEcounter	Closed
Task # 63892: Remove dependency to \$this->formEngine->commentMessages	Closed
Task # 63893: Remove dependency to \$this->formEngine->getPlaceholderAttribute	Closed
Task # 63912: Deprecate unused methods from FormEngine	Closed
Task # 65357: Remove dependencies to \$this->formEngine	Closed
Related issues:	
Related to TYPO3 Core - Bug #66628: Fatal error in FormEngine (Field must not...	Closed 2015-04-28
Related to TYPO3 Core - Bug #66663: New flexform sections can't get added	Closed 2015-04-29
Related to TYPO3 Core - Bug #66683: Page > Languages shows the default langua...	Closed 2015-04-30
Related to TYPO3 Core - Bug #66688: FormEngine: returnFieldJS() for type=text...	Rejected 2015-04-30
Related to TYPO3 Core - Bug #66689: FormEngine: Input eval userfunc returnFie...	Closed 2015-04-30
Related to TYPO3 Core - Bug #66705: Translating pages in page module not poss...	Closed 2015-05-01

Associated revisions

Revision 736cbfc9 - 2015-04-28 15:25 - Christian Kuhn

[!!!][TASK] House of forms

This patch introduces a structural code refactoring to the FormEngine class and its related friend classes.

FormEngine used to call itself over and over again with itself and sub classes writing to public properties of FormEngine keeping a global state that is then magically merged to sometimes working output.

The patch introduces a tree approach with lots of small containers doing an encapsulated part of the rendering process and calling sub containers for inner details.

As main construct a "globalOptions" array is modified in containers and given down to sub containers (tree knots) or elements (leaves), while sub structures always return a defined array that is merged by the parent and accumulates the full result.

Goal is to have a better encapsulated code structure with better visible impact on changes done to this system.

The patch creates this main structure. There is still a lot of mess around and additional patches can further improve the overall situation with smaller changes.

Change-Id: I56b898dc0eaae8de4d31016997cfefe8d14ec53e

Releases: master
 Resolves: #63846
 Resolves: #63854
 Resolves: #63856
 Resolves: #63858
 Resolves: #63859
 Resolves: #63860
 Resolves: #63861
 Resolves: #63862
 Resolves: #63863
 Resolves: #63865
 Resolves: #63876

Resolves: #63881
Resolves: #63882
Resolves: #63883
Resolves: #63893
Reviewed-on: <http://review.typo3.org/38433>
Reviewed-by: Anja Leichsenring <leichsenring@ab-softlab.de>
Tested-by: Anja Leichsenring <leichsenring@ab-softlab.de>
Reviewed-by: Markus Klein <klein.t3@reelworx.at>
Tested-by: Markus Klein <klein.t3@reelworx.at>
Reviewed-by: Christian Kuhn <loli@schwarzbu.ch>
Tested-by: Christian Kuhn <loli@schwarzbu.ch>

Revision 001452c3 - 2015-04-29 11:42 - Christian Kuhn

[BUGFIX] FormEngine exception and warning creating new record

Some extensions like ext:news use ';;;2-2-2' in TCA showItem which is actually an invalid syntax. FormEngine detects this and throws an exception. To mitigate the issue, the exception is commented out for now and a @todo is added on how this case could be handled later.

Another warning in flex form container / section handling is fixed with the patch by sanitizing the given row data to an array, which is not always the case, for example if adding a new record.

Resolves: #66628
Related: #63846
Releases: master
Change-Id: Ib6dcba0c5e2c1dad8c842e99994ab97e456deb41
Reviewed-on: <http://review.typo3.org/39017>
Reviewed-by: Wouter Wolters <typo3@wouterwolters.nl>
Tested-by: Wouter Wolters <typo3@wouterwolters.nl>
Reviewed-by: Georg Ringer <georg.ringer@gmail.com>
Tested-by: Georg Ringer <georg.ringer@gmail.com>
Reviewed-by: Christian Kuhn <loli@schwarzbu.ch>
Tested-by: Christian Kuhn <loli@schwarzbu.ch>

Revision 9ec667e5 - 2015-06-25 13:09 - Andreas Allacher

[TASK] Update breaking documentation FormEngineRefactoring

Change-Id: Ib5855f17930e65a1e6fee878b43dffa215b0ed32
Resolves: #67747
Releases: master
Related: #63846
Reviewed-on: <http://review.typo3.org/40613>
Reviewed-by: Mathias Schreiber <mathias.schreiber@wmdb.de>
Tested-by: Mathias Schreiber <mathias.schreiber@wmdb.de>
Reviewed-by: Anja Leichsenring <leichsenring@ab-softlab.de>
Tested-by: Anja Leichsenring <leichsenring@ab-softlab.de>

History

#1 - 2014-12-14 22:56 - Christian Kuhn

- Description updated

#2 - 2014-12-14 22:56 - Christian Kuhn

- Description updated

#3 - 2014-12-23 19:46 - Mathias Schreiber

- Target version changed from 7.0 to 7.1 (Cleanup)

#4 - 2015-04-02 13:35 - Gerrit Code Review

- Status changed from Accepted 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 <http://review.typo3.org/38433>

#5 - 2015-04-02 14:54 - 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 <http://review.typo3.org/38433>

#6 - 2015-04-02 16:13 - 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 <http://review.typo3.org/38433>

#7 - 2015-04-05 20:18 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#8 - 2015-04-05 21:31 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#9 - 2015-04-09 13:24 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#10 - 2015-04-09 14:50 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#11 - 2015-04-09 19:25 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#12 - 2015-04-09 21:48 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#13 - 2015-04-09 22:41 - Gerrit Code Review

Patch set 10 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#14 - 2015-04-10 15:14 - Gerrit Code Review

Patch set 11 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#15 - 2015-04-13 14:35 - Gerrit Code Review

Patch set 12 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#16 - 2015-04-13 15:07 - Gerrit Code Review

Patch set 13 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#17 - 2015-04-16 16:21 - Gerrit Code Review

Patch set 14 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#18 - 2015-04-16 16:27 - Gerrit Code Review

Patch set 15 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#19 - 2015-04-16 17:25 - Gerrit Code Review

Patch set 16 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#20 - 2015-04-16 20:52 - Gerrit Code Review

Patch set 17 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/38433>

#21 - 2015-04-16 21:41 - Gerrit Code Review

Patch set 18 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#22 - 2015-04-17 19:45 - Gerrit Code Review

Patch set 19 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#23 - 2015-04-17 21:55 - Gerrit Code Review

Patch set 20 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#24 - 2015-04-18 17:28 - Gerrit Code Review

Patch set 21 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#25 - 2015-04-18 17:45 - Gerrit Code Review

Patch set 22 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#26 - 2015-04-18 20:10 - Gerrit Code Review

Patch set 23 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#27 - 2015-04-18 22:49 - Gerrit Code Review

Patch set 24 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#28 - 2015-04-18 23:27 - Gerrit Code Review

Patch set 25 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#29 - 2015-04-20 18:51 - Gerrit Code Review

Patch set 26 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#30 - 2015-04-20 18:53 - Gerrit Code Review

Patch set 27 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#31 - 2015-04-20 22:18 - Gerrit Code Review

Patch set 28 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#32 - 2015-04-20 23:27 - Gerrit Code Review

Patch set 29 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#33 - 2015-04-22 12:05 - Gerrit Code Review

Patch set 30 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#34 - 2015-04-22 12:41 - Gerrit Code Review

Patch set 31 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#35 - 2015-04-22 15:45 - Gerrit Code Review

Patch set 32 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/38433>

#36 - 2015-04-22 17:34 - Gerrit Code Review

Patch set 33 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#37 - 2015-04-23 11:59 - Gerrit Code Review

Patch set 34 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#38 - 2015-04-23 12:44 - Gerrit Code Review

Patch set 35 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#39 - 2015-04-23 15:47 - Gerrit Code Review

Patch set 36 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#40 - 2015-04-26 11:53 - Gerrit Code Review

Patch set 37 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#41 - 2015-04-26 12:00 - Gerrit Code Review

Patch set 38 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#42 - 2015-04-28 11:49 - Gerrit Code Review

Patch set 39 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38433>

#43 - 2015-04-28 15:30 - Christian Kuhn

- *Status changed from Under Review to Resolved*
- *% Done changed from 69 to 100*

Applied in changeset [736cbfc917f9399b9cca9fe98b055e451f269f46](#).

#44 - 2017-10-19 21:02 - Riccardo De Contardi

- *Status changed from Resolved to Closed*