

Core - Bug # 51768

Status:	Resolved	Priority:	Should have		
Author:	Torben Hansen	Category:	IRRE		
Created:	2013-09-05	Assigned To:			
Updated:	2014-11-19	Due date:			
TYPO3 Version:	6.1				
PHP Version:	5.4				
Complexity:					
Is Regression:	No				
Sprint Focus:					
Subject:	IRRE - drag and drop sorting of items not possible in Internet Explorer				
Description					
<p>In Internet Explorer (tested with 9 and 10), it is not possible to use the drag and drop sorting feature of IRRE for items (see attached screenshot). When clicking on the icon and starting to move the mouse, the item does not move but text on the backend page gets selected.</p> <p>I have tested this with a FAL file collection (type: selection of files) and also with a powermail form. Both use IRRE and have the possibility to sort the items by using drag and drop. The sorting works fine on Chrome and Firefox but fails on Internet Explorer as described above.</p>					
Subtasks:					
Bug # 58053: New prototype version hides elements during dragging in IE			Resolved		
Bug # 58187: New prototype version produces stack overflow error in IE8			Resolved		
Related issues:					
related to Core - Task # 55572: Switch IRRE to jQuery		Resolved	2014-02-02		
related to Core - Bug # 55666: Thumbs in FAL have very big sizes		Closed	2014-02-04		
related to Core - Bug # 55176: Old prototype version in backend causes proble...		Resolved	2014-01-20		

Associated revisions

Revision d913adc0 - 2014-02-01 10:31 - Daniel Siepmann

[TASK] IRRE drag and drop sorting now solved using jQuery UI

This also fixes "IRRE - drag and drop sorting of items not possible in Internet Explorer".

- Added jQuery-ui and jQuery to requirejs.
- Reworked the IRRE-Header HTML and CSS.
- Sortable is done by jQuery-Ui.

Resolves: #51768

Releases: 6.2

Change-Id: Idd121617f2cd5215604747cd0f18285a73dfed49

Reviewed-on: <https://review.typo3.org/27164>

Reviewed-by: Frans Saris

Tested-by: Frans Saris

Reviewed-by: Benjamin Mack

Tested-by: Benjamin Mack

Revision 1484cef5 - 2014-04-15 03:28 - Ernesto Baschny

[TASK] Updates prototype and scriptaculous, fixing IE9+ issues

Upgrades prototype from 1.6.0.3 to 1.7.1 and scriptaculous
from 1.8.2 to 1.9.0.

Solves the problem with sorting IRRE elements in IE9+, for example.

Resolves: #51768

Releases: 6.2, 6.1, 6.0, 4.7, 4.5

Change-Id: I5ea11b2e926ae0f23d1c6d85a0ff5ba24995eebb

Reviewed-on: <https://review.typo3.org/27090>

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Revision 5dd53b1a - 2014-04-15 03:34 - Ernesto Baschny

[TASK] Updates prototype and scriptaculous, fixing IE9+ issues

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Releases: 6.2, 6.1, 6.0, 4.7, 4.5

Change-Id: I5ea11b2e926ae0f23d1c6d85a0ff5ba24995eebb

Reviewed-on: <https://review.typo3.org/29471>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Revision d9e65462 - 2014-04-15 18:56 - Ernesto Baschny

[TASK] Updates prototype and scriptaculous, fixing IE9+ issues

Upgrades prototype from 1.6.0.3 to 1.7.1 and scriptaculous
from 1.8.2 to 1.9.0.

Solves the problem with sorting IRRE elements in IE9+, for example.

Resolves: #51768

Releases: 6.2, 6.1, 6.0, 4.7, 4.5

Change-Id: I5ea11b2e926ae0f23d1c6d85a0ff5ba24995eebb

Reviewed-on: <https://review.typo3.org/29472>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

Revision f329f762 - 2014-04-15 18:56 - Ernesto Baschny

[TASK] Updates prototype and scriptaculous, fixing IE9+ issues

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Solves the problem with sorting IRRE elements in IE9+, for example.

Resolves: #51768

Releases: 6.2, 6.1, 6.0, 4.7, 4.5

Change-Id: I5ea11b2e926ae0f23d1c6d85a0ff5ba24995eebb

Reviewed-on: <https://review.typo3.org/29473>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

Revision ae6c2441 - 2014-04-15 18:56 - Ernesto Baschny

[TASK] Updates prototype and scriptaculous, fixing IE9+ issues

Upgrades prototype from 1.6.0.3 to 1.7.1 and scriptaculous from 1.8.2 to 1.9.0.

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Change-Id: I5ea11b2e926ae0f23d1c6d85a0ff5ba24995eebb

Reviewed-on: <https://review.typo3.org/29474>

Reviewed-by: Markus Klein

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

History

#1 - 2014-01-23 22:44 - Lorenz Ulrich

I can confirm this. Is is IMO a must-fix for LTS since a lot of business customers use Internet Explorer.

#2 - 2014-01-27 14:09 - Torben Hansen

TYPO3 (current 6.2 beta4) comes with old versions of Prototype (1.6.0.3) and Scriptaculous dragdrop.js (1.8.2).

I have debugged this in Scriptaculous drapdrop.js and found out, that the left-click does'nt seem to get recognised in **initDrag: function(event)**. In Internet Explorer, Event.isLeftClick(event) returns false. The isLeftClick function is part of Prototype and in this case, Prototype uses an outdated way of analyzing mousebutton events. The current version of Prototype has been updated to support IE9+ mouse events - see:

<https://github.com/sstephenson/prototype/blob/1fb9728/src/dom/event.js#L138>

I tried just to replace the TYPO3 Prototype 1.6.0.3 with the latest version 1.7.1.0 and the sorting seems to work again. In IE the dragged element disappears as soon as you start a drag-event, but this is another issue. As soon as you drop the dragged element, it is fine again and sorting works in IE.

I also updated both Prototype and Scriptaculous to the latest versions, but this breaks a lot of functions in TYPO3 backend.

At least the problem is identified now, but the question is how to fix it?

Does anybody know something about the upgrade policies for external JS libs in TYPO3 core? Should this bug be fixed in the current versions of Prototype/Scriptaculous that come with TYPO3 or should new versions of Prototype/Scriptaculous be used and TYPO3 has to be updated to new functionality of Prototype/Scriptaculous?

#3 - 2014-01-28 11:02 - Ernesto Baschny

- Status changed from New to Accepted

- Target version set to 6.2.0

- Is Regression set to No

We do not want to support prototype/scriptaculous in the backend anymore and currently just keep it there for the sake of functionality we've already got in there using these libraries which needs to be replaced first.

Of course we need to get this bug solved somehow.

If we can figure out the bug and solve that in a patched scriptaculous without upgrading the library completely, I would prefer that.

Another alternative would be to replace the Sortable functionality by the equivalent jQuery(-UI) component, which would be the best idea in the long run, as we want to get rid of scriptaculous anyway. But this might be more error prone to achieve.

<http://jqueryui.com/sortable/> vs <http://madrobby.github.io/scriptaculous/sortable/>

If you are interested in trying that out, starting points are typo3/sysext/backend/Resources/Public/JavaScript/jsfunc.inline.js method "createDragAndDropSorting" and typo3/sysext/backend/Classes/Form/Element/InlineElement.php

#4 - 2014-01-28 11:22 - Ernesto Baschny

I did some research and upgraded scriptaculous to 1.9.0 and prototype to 1.7.1 and nothing yet seems to be broken. You should not upgrade the one without upgrading the other in my opinion, as scriptaculous depends on a certain prototype version.

| *I also updated both Prototype and Scriptaculous to the latest versions, but this breaks a lot of functions in TYPO3 backend*

Can you elaborate on that, Torben? What exactly broke?

I currently cannot login with IE11, as I seem to be affected by the "Cookie detection" issue still (#53818) to evaluate how the sorting is doing in this browser.

The version jump is not that high, and also these latest versions of prototype and scriptaculous are pretty old already (2010) and seem to fix IE9 and later issues. So it might be worth to examine this possibility also.

#5 - 2014-01-28 12:19 - 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 <https://review.typo3.org/27090>

#6 - 2014-01-28 12:21 - Ernesto Baschny

See above linked review for updated libraries for potential side-effects. Thanks!

#7 - 2014-01-28 16:50 - Torben Hansen

- File backend-irre1.png added

- File backend-irre2-drag.png added

I also updated both Prototype and Scriptaculous to the latest versions, but this breaks a lot of functions in TYPO3 backend

Can you elaborate on that, Torben? What exactly broke?

I checked out your patch and the problems i ran into (flush cache menu did not work, collapsed IRRE items could not be expanded) did not appear.

Sorting now works in IE (tested with 10 + 11), but as soon as you drag an element, it disappears (see both screenshots). It seems this issue is known in Scriptaculous for a very long time <https://github.com/madrobby/scriptaculous/issues/2>

Also the elements do have much more height (114px instead of 65px) in IE than on other browsers. I'll create a different issue for that later.

I think I will try to do some tests with JQueryUI sortable.

#8 - 2014-01-28 22:13 - Lorenz Ulrich

I can confirm that it works with IE 10 and FAL. I will test with extensions (e.g. Powermail) before verifying the changeset.

#9 - 2014-01-29 11:01 - Alexander Opitz

There is a report that the drag'n'drop component will fail from Chrome32 on

<https://groups.google.com/forum/#!topic/prototype-scriptaculous/SpP4P92r-dk>

#10 - 2014-01-30 19:02 - Gerrit Code 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/27164>

#11 - 2014-01-31 00:07 - 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/27164>

#12 - 2014-01-31 11:06 - 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/27164>

#13 - 2014-01-31 21:55 - 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 <https://review.typo3.org/27164>

#14 - 2014-01-31 22:11 - 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 <https://review.typo3.org/27164>

#15 - 2014-01-31 22:25 - 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 <https://review.typo3.org/27164>

#16 - 2014-01-31 22:29 - 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 <https://review.typo3.org/27164>

#17 - 2014-01-31 22:51 - 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 <https://review.typo3.org/27164>

#18 - 2014-02-01 10:01 - 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 <https://review.typo3.org/27164>

#19 - 2014-02-01 11:30 - Daniel Siepmann

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:d913adc0f1e2cb710fa84c21e42a39f1cde82fa4.

Files

irre-drag-drop-ie.png	2.8 kB	2013-09-05	Torben Hansen
backend-irre1.png	22.4 kB	2014-01-28	Torben Hansen
backend-irre2-drag.png	17.3 kB	2014-01-28	Torben Hansen