# TYPO3.Neos - Task # 47177

| Status: | Resolved | | Priority: | Must have |
|---|---|---|---|---|
| Author: | Sebastian Kurfuerst | | Category: | JavaScript |
| Created: | 2013-04-13 | | Assigned To: | Sebastian Kurfuerst |
| Updated: | 2013-05-11 | | Due date: | |
| Subject: | Update Ember to 1.0 | | | |
| Description | | | | |
| | | | | |
| Related issues: | | | | |
| related to Base Distribution - Work Package # 44971: TYPO3 Neos API Definition | | | **Accepted** | **2013-06-30** |

## Associated revisions

**Revision bfd41513 - 2013-05-11 10:24 - Sebastian Kurfuerst**

[FEATURE] Update to Ember.js 1.0.0-RC3 and various fixes

This is a big cleanup change which updates our code base to Ember 1.0.0 RC3
and fixes various minor issues which have been found during the update and
the tests afterwards.

We updated the following Libraries:

  - Ember.js from 0.9.8 to 1.0.0 RC3
  - Handlebars to 1.0.0 RC3
  - jQuery from 1.7.2 to 1.9.1

Adjustments to Changed Ember===========================

  - .create({...}) cannot be used to set up computed properties, so that's
     why we use .extend({...}).create() now
Before: Object.create({...})
     After:  Object.extend({...}).create()


  - .getPath()/.setPath() is deprecated, we can now use .get()/.set() directly
     in these cases.
Before: this.getPath(...)
     After:  this.get(...)


  - Computed Properties are now cacheable() by default; if really an uncached
     computed property is needed, .volatile() should be added. Not all
     .cacheable() annotations have been removed yet.
Before: function() { I am cacheable }.property().cacheable()
          function() { I am NOT cacheable }.property()

After:  function() { I am cacheable }.property()
          function() { I am NOT cacheable }.property().volatile()


  - If Handlebars Templates want to refer to variables declared in the view,

they now explicitly need to reference them with "view.*".
Before: {{myVar}}
   After:  {{view.myVar}}


- ember_assert has been refactored to Ember.assert
Before: ember_assert("foo")
   After:  Ember.assert("foo")


- Ember.Button has been deprecated. That's why we do not extend Ember.Button
  anymore, but classes like T3.Content.UI.ButtonDialog or T3.Content.UI.Button
  directly implement the button-functionality now.
TODO: This is definitely an area which could be more cleaned up later on.


Refactorings============

- Node Removal Dialog handling was re-written: We completely got rid of
  T3.Common.Dialog as that was the only place where that class was still used.

- The "toolbar" View behavior (used for the top and bottom toolbars) has been
  completely changed. Beforehand, it was configured using an array of "left"
  and "right" views; but this imposed various problems with the new Ember.js.
That's why both toolbars now have separate templates, directly adding the
  wanted sub-views using the {{view ...}} Handlebars helper. This whole change
  makes the toolbars better understandable and in-line with default Ember coding
  practices.


- Streamlined the way the page tree is loaded: Before, it was using a collection
  with a single view inside, now we directly use the {{view}} helper in the
  template.

Minor Features / Bugfixes=========================

- If Page Tree is opened and you navigate to another page using the website's
  menu, this was updating the currently highlighted page in the tree. This
  has been fixed.
- Fixed Drag/Drop of pages across levels and multiple times, making sure to
  update the tree node's identity and URL correctly.
- Made sure that clicking a node in the page tree does not trigger a full page
  reload.
- Image Upload in Inspector: hide "crop" button if no image has been uplaoded
  yet (directly after creating new "Image" element).

Testing=======

I tested the following areas:

- Basic content editing: Creating / Deleting / Copying / Pasting / Hiding Content Elements
- Page Tree: Moving / Creating / Deleting / Renaming pages
- Inspect Tree: Navigation / Moving

- Breadcrumb
- Inspector: editing, error handling, image upload
- Launcher panel
- Toggling page tree & inspector panel
- Publish page
- Fullscreen toggling

Resolves: #47177

Change-Id: I44a65287b6aa581d97219c91eddcec17b4df05cb

**Revision 550fe0f5 - 2013-05-13 16:20 - Aske Ertmann**

[BUGFIX] Options in select boxes in inspector missing

This was introduced with the Ember update to RC3.

Change-Id: Iea45403dbf7dd1de15d061c1357263cfa88432a3

Related: #47177

**History**

**#1 - 2013-04-13 10:45 - Gerrit Code Review**

Patch set 1 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#2 - 2013-04-15 08:20 - Gerrit Code Review**

Patch set 2 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#3 - 2013-04-25 17:01 - Gerrit Code Review**

Patch set 3 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#4 - 2013-04-25 17:04 - Gerrit Code Review**

Patch set 4 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#5 - 2013-04-25 17:14 - Gerrit Code Review**

Patch set 5 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#6 - 2013-04-25 19:06 - Gerrit Code Review**

Patch set 6 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#7 - 2013-04-25 23:35 - Gerrit Code Review**

Patch set 7 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#8 - 2013-04-28 16:30 - Gerrit Code Review**

Patch set 8 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#9 - 2013-04-28 17:17 - Gerrit Code Review**

Patch set 9 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#10 - 2013-05-05 23:22 - Gerrit Code Review**

Patch set 10 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#11 - 2013-05-11 10:24 - Gerrit Code Review**

Patch set 11 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/19886

**#12 - 2013-05-11 22:37 - Sebastian Kurfuerst**

*- Status changed from Accepted to Resolved*

*- % Done changed from 0 to 100*

Applied in changeset commit:bfd415134cb1f0dbc8a717f295d7143b170a651b.