

Media Management - Task # 47842

Status:	Resolved	Priority:	Should have
Author:	Fabien Udriot	Category:	
Created:	2013-05-02	Assigned To:	Fabien Udriot
Updated:	2013-05-13	Due date:	
Subject:	Refactor findBy API		
Description			
<p>Sorry for changing the API but I would like to do it before the public release. The main reason is to narrow the API towards what has Doctrine.</p> <p>The change affect mainly the findFiltered method which is replaced by findBy according to: http://www.doctrine-project.org/api/orm/2.3/source-class-Docctrine\ORM\EntityRepository.html#159-171</p> <p>The patch will also improve MM finding in repository: \$repository->findByCategories()</p> <p>Quite roughly:</p> <p>Before:</p> <pre>\$respository->findFiltered(\$filter, \$order, \$offset, \$limit)</pre> <p>After:</p> <pre>\$respository->findBy(\$match, \$order, \$limit, \$offset)</pre> <p>Before:</p> <pre>\$filter->getConstraint() \$filter->setConstraint() \$filter->addConstraint()</pre> <p>After (same signature):</p> <pre>\$match->getMatches() \$match->setMatches() \$match->addMatches()</pre> <p>Before:</p> <pre>\$pager->getItemsPerPage() \$pager->setItemsPerPage()</pre> <p>After (same signature):</p> <pre>\$pager->getLimit() \$pager->setLimit()</pre>			
Related issues:			
related to Media Management - Task # 48047: Release Media 1.0.0		Resolved	2013-05-08

Associated revisions

Revision 0dd6cc2c - 2013-05-13 21:57 - Fabien Udriot

[!!!][FEATURE] Refactor findBy API

This is a breaking change affecting method "findFiltered" which is replaced by "findBy" according to Doctrine style. On the good side, the patch also improves MM finding in repository: \$repository->findByCategories()

Change-Id: I19aa566f59588942df5cbce6d888027fdc42ca73

Fixes: #47842

Reviewed-on: <https://review.typo3.org/20432>

Reviewed-by: Frans Saris

Tested-by: Frans Saris

Reviewed-by: Fabien Udriot

Tested-by: Fabien Udriot

History

#1 - 2013-05-02 18:23 - Gerrit Code Review

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

It is available at <https://review.typo3.org/20432>

#2 - 2013-05-04 19:59 - Frans Saris

Is it with this change possible to query an additional mm relation that are added to the tca?

For a client project I need to extent sys_file/asset with the possibility to add tags. So I need to implement a new mm relation.

I see the patch is wip, what needs to be done or is still missing? Maybe I can help.

If you plan to change the api, please do it now. Don't wait to long.

When do you want to release a first version?

#3 - 2013-05-04 21:38 - Fabien Udriot

Hi Frans,

| *Is it with this change possible to query an additional mm relation that are added to the tca?*

That is the goal / idea, indeed.

| *I see the patch is wip, what needs to be done or is still missing? Maybe I can help.*

It is basically finished. Though, I wanted to add some unit tests making sure the "mm" query would work and since I haven't really tested I am expecting some amendment to the patch. Here an example for Categories but could also work for Tags as long you have TCA configured.

```
/** @var $match TYPO3\CMS\Media\QueryElement\Match */  
$match = $this->objectManager->get('TYPO3\CMS\Media\QueryElement\Match');  
$match->addMatch('categories', $uidOrObject);
```

```
$match->addMatch('categories', $uidOrObject2);
```

```
/** @var $assetRepository \TYPO3\CMS\Media\Domain\Model\AssetRepository */  
$assetRepository = $this->objectManager->get('TYPO3\CMS\Media\Domain\Model\AssetRepository');  
$assetRepository->findBy($match);
```

The same should work for `findByCategories` - or `findByTags` from your example:

```
/** @var $assetRepository \TYPO3\CMS\Media\Domain\Model\AssetRepository */  
$assetRepository = $this->objectManager->get('TYPO3\CMS\Media\Domain\Model\AssetRepository');  
$assetRepository->findByCategories($uidOrObject);
```

It is a "difficult" patch to get into but if you have time helping / making sure the feature is there, it would be awesome. I could merge the [others patches](#) if it helps apply the change set easier. Let me know.

| *When do you want to release a first version?*

The soonest as possible. I think we have a decent set of features making it usable for a daily life use. However, before doing so, I would like merging the [remaining patches](#) pending in Gerrit as well as this critical [one](#).

#4 - 2013-05-05 00:05 - Frans Saris

I will have a look at it Monday.

The critical patch I reviewed and tested already now hope a core dev has a look at it. For the others I will make some time Monday or you must 100% be sure they are ok :)

#5 - 2013-05-06 07:54 - Fabien Udriot

Actually, if you would like to have another MM relation than categories working for the `findBy` method (see example above) you probably have to change a few things. The current implementation is a special case for categories but should not be too difficult to extend.

In `EXT:media/Classes/QueryElement/Query.php`, consider updating `getClauseCategories` to `getClauseMM` and around line 205 replace the `if (!empty($matches['categories']))` by

```
$matches = $this->match->getMatches();  
foreach ($this->match->getMatches() as $field => $value) {  
    if ($this->tcaFieldService->hasRelationManyToMany($field)) {  
        // here the rest with some modification...  
    }  
}
```

#6 - 2013-05-06 08:51 - Fabien Udriot

A last thing: there is a bit of confusion with method naming with `getClauseCategories`, `getClauseSearch`, `getClauseConstraints` which all have the same purpose. Don't worry, I will rename them. There are private methods anyway.

#7 - 2013-05-06 11:07 - Frans Saris

Oke, will look into that.

Maybe you can help me on an other thing. What's the easiest/best way to preform a LIKE query on the asset repository?

I need something like:

```
SELECT * FROM..... Where sys_file.identifier LIKE '/sample_data_map/%'
```

#8 - 2013-05-06 11:59 - Fabien Udriot

Not tested code:

```
/** @var $match \TYPO3\CMS\Media\QueryElement\Match */
$match = $this->objectManager->get('TYPO3\CMS\Media\QueryElement\Match');
$match->setSearchTerm('foo');

/** @var $assetRepository \TYPO3\CMS\Media\Domain\Model\AssetRepository */
$assetRepository = $this->objectManager->get('TYPO3\CMS\Media\Domain\Model\AssetRepository');
$assetRepository->findBy($match);
```

#9 - 2013-05-06 19:56 - Gerrit Code Review

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

It is available at <https://review.typo3.org/20432>

#10 - 2013-05-08 10:42 - Frans Saris

- Status changed from New to Accepted

#11 - 2013-05-11 19:43 - Gerrit Code Review

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

It is available at <https://review.typo3.org/20432>

#12 - 2013-05-13 22:36 - Fabien Udriot

- Status changed from Accepted to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:0dd6cc2cf43cc248564411141ee4d1bc8caa9013.

