TYPO3.Flow - Task # 2515

Status:	Resolved	**Priority:**	Must have
Author:	Robert Lemke	**Category:**	
Created:	2009-01-26	**Assigned To:**	Robert Lemke
Updated:	2010-10-20	**Due date:**	

Sprint:

PHP Version:

Has patch:

Complexity:

Subject:	Inconsistent class names in sub namespaces

Description

In the current code base the naming of classes in sub namespaces is not consistent. After a short discussion we came up with the following rules:

- The unqualified class name must be meant literally even without the namespace.
- The main purpose of namespaces is categorization and ordering

Thes rules prevent us from running into conflicts with reserved keywords.

Bad examples:

```
Fully qualified class name       Unqualified class name     Remarks
-------------------------------------------------------------------------------------------------
\F3\FLOW3\Session\PHP              PHP                The class is not a representation of PHP!
\F3\FLOW3\Cache\Backend\File       File                The class doesn't represent a file!
\F3\FLOW3\Session\Interface        Interface           Not allowed, "Interface" is a reserved keyword
\F3\Foo\Controller\Default         Default           Not allowed, "Default" is a reserved keyword
```

Good examples:

```
Fully qualified class name       Unqualified class name     Remarks
-------------------------------------------------------------------------------------------------
\F3\FLOW3\Session\PHPSession         PHPSession           That's a PHP Session
\F3\FLOW3\Cache\Backend\FileBackend   FileBackend          A File Backend
\F3\FLOW3\Session\SessionInterface   SessionInterface      Interface for a session
\F3\Foo\Controller\DefaultController  DefaultController     The default controller
```

Edge cases:

```
Fully qualified class name       Unqualified class name     Remarks
-------------------------------------------------------------------------------------------------
\F3\FLOW3\Object\Manager            Manager            If it's the only manager in that namespace, it's okay
\F3\Foo\Bar\Builder              Builder          If it's clear what the builder builds (Bar?), it's okay
\F3\FLOW3\Object\Builder           Builder            Problem: There's a "ConfigurationBuilder" in the same
                                namespace, therefore better rename the Builder to
                                ObjectBuilder
\F3\FLOW3\Object\Factory          Factory            As long as it is the only factory in that namespace, okay
\F3\FLOW3\MVC\ControllerInterface    ControllerInterface    Consequently the interface belongs to all the
                                controllers in the Controller sub namespace
\F3\FLOW3\MVC\Controller\ControllerInterface          Better
\F3\FLOW3\Cache\AbstractBackend      AbstractBackend       Same here: In reality this class belongs to the backends
\F3\FLOW3\Cache\Backend\AbstractBackend             Better
```

Scope of this ticket:
  1. Refactor class names which don't follow the above rules.
  2. ~~Add the above rules to the CGL.~~

Associated revisions

Revision e3afde5a - 2009-01-26 17:47 - Robert Lemke

- Testing: Fixed the initialization sequence in the TestRunner which didn't work anymore since the last modifications on the session init in the FLOW3 bootstrap
- FLOW3: (Session) Renamed the classes ...\Session\PHP and ...\Session\Transient to ...\Session\PHPSession and ...\Session\TransientSession respectively. Addresses #2515

Revision 4947ad13 - 2009-01-26 19:27 - Robert Lemke

- FLOW3: (MVC) Renamed the setSettings() method of the AbstractController to injectSettings() in order to use the new settings injection feature
- FLOW3: (MVC) Moved the Controller Interface to the Controller namespace. Addresses #2515
- FLOW3: (Utility) Removed the REQUEST_METHOD_* constants in the Environment class
- FLOW3: (Utility) Renamed the getPOSTArguments and getGETArguments methods to getRawPOSTArguments and getRawGETArguments respectively
- FLOW3: (Utility) Introduced a new method getRawServerEnvironment to the Environment API

Revision bfd69a43 - 2009-01-26 21:57 - Karsten Dambekalns
FLOW3:
- moved and renamed some cache backend classes and interfaces, refs #2515
Widget:
- adjusted one reference to Cache\Backend\File to the new name

Revision 8d6621a3 - 2009-01-26 22:34 - Karsten Dambekalns
FLOW3:
- moved and renamed some Log backend classes and interfaces, refs #2515

Revision 996d4474 - 2009-01-27 16:53 - Karsten Dambekalns
FLOW3:
- moved and renamed cache frontend classes and interfaces, refs #2515

Revision 671e4922 - 2009-01-27 18:05 - Robert Lemke

- FLOW3: (MVC) Moved the ViewInterface into the View sub namespace. Addresses #2515
- FLOW3: (MVC) Added a ControllerInterface to decouple classes using controllers from the AbstractController
- FLOW3: (MVC) Merged the RequestHandlingController into the AbstractController. Still needs further cleanup and some tests are currently disabled.
- FLOW3: (MVC) Wrote a proper testcase for the dispatcher

Revision 6087b575 - 2009-01-30 14:02 - Robert Lemke

- FLOW3: (MVC) Moved the ConverterInterface into the correct namespace. Addresses #2515
- FLOW3: (Utility) Added a new function getFileContents() to the Files library. Preferibly use this function instead of PHP's built-in file_get_contents() function because it will handle warnings and errors more gracefully.
- Fluid: Cleaned up and partly refactored the TemplateView. Especially fixed the error prone comparisons (see #2536). There are still some skeletons in the closet and especially the unit tests badly need some improvements (more / proper use of mock objects, no functional test but unit tests

etc.).

Revision da0d9617 - 2009-05-19 12:48 - Karsten Dambekalns

FLOW3:

- added better examples and more explanations about namespace/class naming to CGL, refs #2515

Revision e9f23fb2 - 2009-05-20 13:36 - Robert Lemke

- FLOW3: Renamed a few classes / moved them in the namespaces hierarchy to make naming more consistent. Resolves #2515
- FLOW3: (MVC) Removed the AbstractWidget

History

#1 - 2009-05-20 11:45 - Karsten Dambekalns

- Assigned To set to Robert Lemke

#2 - 2009-05-20 14:00 - Robert Lemke

- Status changed from Accepted to Resolved

- % Done changed from 0 to 100

Applied in changeset r2282.