TYPO3.Flow - Feature # 48409

Status:	New	**Priority:**	Could have
Author:	Philipp Maier	**Category:**	SignalSlot
Created:	2013-05-21	**Assigned To:**	
Updated:	2013-05-23	**Due date:**	
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	Introduce new Annotation "Slot" for wiring signal and slots		
Description			

With this, the manual wiring in the Package.php could be left out so instead of doing this:

```
$dispatcher = $bootstrap->getSignalSlotDispatcher();
$dispatcher->connect(
    'Some\Package\Controller\CommentController', 'commentCreated', //signal
    'Some\Package\Service\Notification', 'sendNewCommentNotification' // slot
);
```

one could easily add the Slot configuration to the respective function in the Class:

```
/**
 * @Flow\Slot('Some\Package\Controller\CommentController', 'commentCreated')
 * @param Comment $comment
 * @return void
 */
public function sendNewCommentNotification(Comment $comment) { ...
```

Future implementations could even allow Pointcut Expressions for e. g. Domain Events
@Flow\Slot("class(Some\Package\Domain\Event\SomeEvent)")

Christian Müller however pointed out that this idea has been dropped in the past for a reason he couldn't remember.
So if anyone knows why this is a bad idea, let me know. If nothing speaks against implementing this: This is more of a "Flow-like" API imho.

History

#1 - 2013-05-21 20:07 - Henrik Møller Rasmussen

Just a small note regarding the domain event part. To have proper support for domain events, it needs to be ensured that the signal is only triggered after the database transaction is committed successful.

Fx. a signal that sends an OrderCompleted email should not be triggered if the transaction saving the order does not complete.

#2 - 2013-05-23 19:02 - Philipp Maier

Good point, which means that before sending out an Event a persistenceManager->persistAll should be called. Only works if the identity is generated

early though, as there is no way to 'refresh' a loaded Entity yet.

Not related to the Annotation though, if I get this right. Might need to open a new issue concerning implementation of Domain Events.