Zend_Filter_FindCaseKeys - Aleksey Khudyakov (xerkus)

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Zend Framework: Zend_Filter_FindCaseKeys Component Proposal

Proposed Component Name	Zend_Filter_FindCaseKeys
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_FindCaseKeys
Proposers	Aleksey 'Xerkus' Khudyakov
Zend Liaison	TBD
Revision	1.0 - 4 April 2011: Initial Draft. (wiki revision: 4)

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1. Overview

Zend_Filter_FindCaseKeys may be used to get all case variations of specified key. This is especially useful when using function array_change_key_case() is not an option.

2. References

3. Component Requirements, Constraints, and Acceptance Criteria

I expect discussion if this component should accept array of keys to find

- This component **will** accept string to match key names against.
- This component **will** filter arrays and objects with toArray() method.
- This component **will** return array of matched keys.

4. Dependencies on Other Framework Components

- Zend_Exception
- Zend_Filter_Exception

5. Theory of Operation

6. Milestones / Tasks

- Milestone 1: Get community input
- Milestone 2: Working prototype for ZF1
- Milestone 3: Unit tests exist, work, and are checked into SVN.
- Milestone 4: Initial documentation exists.
- Milestone 5: Updated code and unit tests for ZF2.

7. Class Index

- Zend_Filter_FindCaseKeys

8. Use Cases

UC-01: in application resource

```
/**
 * Removes resource "modulesconfig" from loaded module config to prevent recursion
 *
 * @param array $config by reference
 */
protected function _removeResourceModulesconfig(array &$config)
{
    //$this->_filter instanceof Zend_Filter_FindCaseKeys;
    $keys = $this->_filter->setKeyToFind('modulesconfig')->filter($config);
    foreach($keys as $key) {
        unset($config['resources'][$key]);
    }
}
```

9. Class Skeletons

```
class Zend_Filter_FindCaseKeys implements Zend_Filter_Interface
{
    /**
     * Set string to compare array keys against
     *
     * @param string $key
     * @return Zend_Filter_FindCaseKeys Provides a fluent interface
     */
    public function setKeyToFind($key);

    /**
     * Defined by Zend_Filter_Interface
     * Returns the array of keys matched to keyToFind in case insensitive manner
     *
     * @param  array|object $value
     * @return array
     * @throws Zend_Filter_Exception
     * @see Zend_Filter_Interface::filter()
     */
    public function filter($value);
}
```

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