Zend_Filter_StringPad - Thomas Weidner

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Zend Framework: Zend_Filter_StringPad Component Proposal

Proposed Component Name	Zend_Filter_StringPad
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_StringPad
Proposers	Thomas Weidner
Zend Liaison	TBD
Revision	1.0 - 12 April 2009: Initial Draft. (wiki revision: 4)

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1. Overview

Zend_Filter_StringPad is a filter which allows to pad/extend a string to a given length.

2. References

- Zend_Filter

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** pad a string to a given length
- This component **will** allow to pad/extend a string on both sides
- This component **will** allow to use any character to pad the string

4. Dependencies on Other Framework Components

- Zend_Filter

5. Theory of Operation

This component allows to pad/extend a string to a given length the same way as str_pad would be.

6. Milestones / Tasks

- Milestone 1: [DONE] Proposal finished
- Milestone 2: Proposal accepted
- Milestone 3: Working implementation
- Milestone 4: Unit tests
- Milestone 5: Documentation
- Milestone 6: Moved to core

7. Class Index

- Zend_Filter_StringPad

8. Use Cases

UC-01

Pad a string to 15 chars

```
$filter = new Zend_Filter_StringPad(15);
$filter->filter('My string');
// returns 'My string      '
```

UC-02

Pad a string to 15 chars, using another pad char

```
$filter = new Zend_Filter_StringPad(array('length' => 15, 'char' => '.'));
$filter->filter('My string');
// returns 'My string......'
```

UC-03

Pad a string to 15 chars, using another pad char and another direction

```
$filter = new Zend_Filter_StringPad(array('length' => 15, 'char' => '.', 'type' =>
Zend_Filter_StringPad::LEFT));
$filter->filter('My string');
// returns '......My string'
```

9. Class Skeletons

```
class Zend_Filter_StringPad implements Zend_Filter_Interface {
    /**
     * @param string|integer|array $options (Optional) Options to set
     */
    public function __construct($options = array())

    /**
     * @param integer $length Length to pad to
     * @return Zend_Filter_StringPad
     */
    public function setLength($length)

    /**
     * @return integer
     */
    public function getLength()

    /**
     * @param string $character Character to use for padding
     * @return Zend_Filter_StringPad
     */
    public function setChar($character)

    /**
     * @return string
     */
    public function getChar()

    /**
     * @param string $type Type to use for padding
     * @return Zend_Filter_StringPad
     */
    public function setType($type)

    /**
     * @return string
     */
    public function getType()

    /**
     * @param string @value Value to filter
     */
    public function filter($value)
}
```

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