Zend_Filter_StringTruncate - Thomas Weidner

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Zend Framework: Zend_Filter_StringTruncate Component Proposal

Proposed Component Name	Zend_Filter_StringTruncate
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_StringTruncate
Proposers	Thomas Weidner
Zend Liaison	TBD
Revision	1.0 - 8 August 2009: Initial Draft. (wiki revision: 8)

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1. Overview

Zend_Filter_StringTruncate is a filter which truncates strings, regardless of their content.

2. References

- PHP's substr
- Based on the StringLength Proposal - see Zend comments

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** truncate strings at a given length
- This component **will** also handle multibyte strings

4. Dependencies on Other Framework Components

- Zend_Filter_Interface
- Zend_View_Helper_Abstract

5. Theory of Operation

This filter truncates strings to a given length. It's the reverse filter for the StringPad Filter.
For simplicity this filter also adds a view helper which makes use of this filter.

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_StringTruncate
- Zend_View_Helper_StringTruncate

8. Use Cases

UC-01

Truncate a string at 6 chars

```
$filter = new Zend_Filter_StringTruncate(array('length' => 6));
$filter->filter('My string');
// returns 'My str'
```

UC-02

Truncate a string at 6 chars, using ending chars

```
$filter = new Zend_Filter_StringTruncate(array('length' => 6, 'ending' => '..'));
$filter->filter('My string');
// returns 'My s..'
```

UC-03

Truncate a string at 6 chars, using ending chars and additionally get the truncated content

```
$filter = new Zend_Filter_StringTruncate(array('length' => 6, 'ending' => '..'));
$filter->filter('My string');
// returns 'My s..'
$filter->getTruncated();
// returns 'tring'
```

UC-04

Truncate a string at 6 chars but from the other side

```
$filter = new Zend_Filter_StringTruncate(array('length' => 6, 'direction' =>
Zend_Filter_StringTruncate::LEFT));
$filter->filter('My string');
// returns 'string'
```

9. Class Skeletons

```
class Zend_Filter_StringTruncate implements Zend_Filter_Interface {
    constant LEFT = 'left';
    constant BOTH = 'both';
    constant RIGHT = 'right';

    public function __construct($options);
    public function getLength();
    public function setLength($length);
    public function getEnding();
    public function setEnding();
    public function getDirection();
    public function setDirection($direction);
    public function getTruncated($value = null);
    public function filter($value);
}

class Zend_View_Helper_StringTruncate extends Zend_View_Helper_Abstract {
    public function stringTruncate($value);
}
```

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