Zend_Filter_StripSpaces - Thomas Weidner

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Zend Framework: Zend_Filter_StripSpaces Component Proposal

Proposed Component Name	Zend_Filter_StripSpaces
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_StripSpaces
Proposers	Thomas Weidner
Revision	1.0 - 04 Oktober 2009 (wiki revision: 11)

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1. Overview

Zend_Filter_StripSpaces will strip all spaces out of a string. You can specify if you want to strip out all spaces or just the unnecessary ones, means multiple spaces behind one another.

2. References

- Issue ZF-2531

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** correctly strip out all repeated spaces, as they are insignificat in some context (e.g. html)
- This component **will** correctly strip out all spaces, when specified
- This component **will** also handle Unicode White Spaces
- This component **will not** remove any other character

4. Dependencies on Other Framework Components

- Zend_Filter_Interface
- Zend_Filter_Exception

5. Theory of Operation

Based on the specified options, this filter will strip all, more than one and/or also unicode white spaces.

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_StripSpaces

8. Use Cases

UC-01

Default, stripping multiple whitespaces (textual, unicode and html)

```
$text   = 'Hello  World';
$filter = new Zend_Filter_StripSpaces();
echo $filter->filter($text);
// returns 'Hello World'
```

UC-02

Stripping only multiple textual whitespaces

```
$text   = 'Hello  World';
$filter = new Zend_Filter_StripSpaces(Zend_Filter_StripSpaces::SPACE);
echo $filter->filter($text);
// returns 'Hello World'
```

UC-03

Stripping all whitespaces

```
$text   = 'Hello  World';
$filter = new Zend_Filter_StripSpaces(array('count' => 0);
echo $filter->filter($text);
// returns 'HelloWorld'
```

UC-04

Stripping multiple types of whitespaces

```
$text   = 'Hello      World';
$filter = new Zend_Filter_StripSpaces(array('count' => 0);
echo $filter->filter($text);
// returns 'HelloWorld'
```

UC-05

Stripping more than 3 whitespaces

```
$text   = 'Hello          World';
$filter = new Zend_Filter_StripSpaces(array('count' => 3);
echo $filter->filter($text);
// returns 'Hello   World'
```

9. Class Skeletons

```
class Zend_Filter_StripSpaces
{
    const SPACE         = 1;
    const UNICODE_SPACE = 2;
    const HTML_SPACE    = 4;
    const ALL           = 8;

    public function __construct($options = null) { }

    /**
     * Sets the space type to strip, defaults to ALL, see constants
     */
    public function setType($type = self::ALL) { }

    /**
     * Returns the set space type
     */
    public function getType() { }

    /**
     * Sets the space count to strip, defaults to 1
     */
    public function setCount($count = 1) { }

    /**
     * Returns the set space count
     */
    public function getCount() { }

    public function filter($value) { }

}
```

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