

Zend_View_Helper_Cycle - Kamil Nowakowski

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Zend Framework: Zend_View_Helper_Cycle Component Proposal

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|--------------------------------|---|
| Proposed Component Name | Zend_View_Helper_Cycle |
| Developer Notes | http://framework.zend.com/wiki/display/ZFDEV/Zend_View_Helper_Cycle |
| Proposers | Kamil Nowakowski Matthew Weier O'Phinney (Zend Liaison) |
| Revision | 0.1 - 5 April 2008: Initial proposal (wiki revision: 22) |

Table of Contents

1. Overview
2. References
3. Component Requirements, Constraints, and Acceptance Criteria
4. Dependencies on Other Framework Components
5. Theory of Operation
6. Milestones / Tasks
7. Class Index
8. Use Cases
9. Class Skeletons

1. Overview

Zend_View_Helper_Cycle is a simple component which cycles through a series of values based on an iteration number.

2. References

- Smarty {cycle}

3. Component Requirements, Constraints, and Acceptance Criteria

- This helper **will** cycle through a series of values based on an iteration number.
- This helper **will** implement Iterator interface

4. Dependencies on Other Framework Components

- none

5. Theory of Operation

- You can cycle in both ways (normal or backwards) through the array

6. Milestones / Tasks

- Milestone 1:[DONE] Create proposal
- Milestone 2: Community [DONE] and Zend review
- Milestone 3: Unit tests exist, work, and are checked into SVN.
- Milestone 4: Initial documentation exists.

7. Class Index

- Zend_View_Helper_Cycle

8. Use Cases

UC-01

```
<?php $cycle=$this->cycle(array("#F0F0F0", "#FFFFFF") );?>
<?php foreach ($this->books as $book):?>
    <tr style="background-color:<?= $cycle->next() ?>">
        <td><?=$this->escape($book['author']) ?></td>
    </tr>
<?php endforeach;?>
```

output

```
<tr style="background-color:'#F0F0F0'">
    <td>First</td>
</tr>
<tr style="background-color:'#FFFFFF'">
    <td>Second</td>
</tr>
```

UC-02

In backwards order

```

<?php $cycle->assign(array( "#F0F0F0" , "#FFFFFF" , "#36BD25" ))?>
<?php foreach ($this->books as $book):?>
    <tr style="background-color:<?=$cycle->prev()?>">
        <td><?= $this->escape($book[ 'author' ]) ?></td>
    </tr>
<?php endforeach;?>

```

9. Class Skeletons

```

/**
 * Cycle Helper
 *
 */
class Zend_View_Helper_Cycle implements Iterator
{

    /**
     * pointer
     *
     * @var int
     */
    protected $_pointer = -1;

    /**
     * Data to use
     *
     * @var array
     */
    protected $_data = null;

    /**
     * Add data to cycle
     * @param array $data
     * @return Zend_View_Helper_Cycle
     */
    public function cycle(array $data = array()) { }

    /**
     * Add data to cycle
     * @param array $data
     * @return Zend_View_Helper_Cycle
     */
    public function assign(array $data) { }

    /**
     * Turn helper into string
     *
     * @return string
     */
}

```

```
public function toString() {}

/**
 * Cast to string
 *
 * @return string
 */
public function __toString() {}

/**
 * Increase iteration number
 * @return Zend_View_Helper_Cycle
 */
public function next() {}

/**
 * Decrease iteration number
 * @return Zend_View_Helper_Cycle
 */
public function prev() {}

/**
 * Returns iteration number
 * @return int
 */
public function key() {}

/**
 * Rewind iteration number
 * @return Zend_View_Helper_Cycle
 */
public function rewind() {}

/**
 * check if current is valid
 * @return boolean
 */
public function valid() {}

/**
 * Returns current value
 * @return string
 */
public function current() {}
```

}

```
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