Zend_View_Helper_Cycle - Kamil Nowakowski

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Zend Framework: Zend_View_Helper_Cycle Component Proposal

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)

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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 iny
     */
      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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