Zend_View_Helper_FileSize - Martin Hujer

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Zend Framework: Zend_View_Helper_FileSize Component Proposal

Proposed Component Name	Zend_View_Helper_FileSize
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_View_Helper_FileSize
Proposers	Martin Hujer
Zend Liaison	Dolf Schimmel (Freeaqingme)
Revision	1.0 - 5th April 2008: Initial proposal. 1.1 - 1st July 2008: Almost finished proposal. 1.2 - 12th August 2010: Code and Unit Tests are working (wiki revision: 14)

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_FileSize is a simple helper that formats any filesize in bytes to human readable string.

2. References

- Mhujer_View_Helper_FileSize docs
- Zym_View_Helper_FileSize source
- Zym_View_Helper_FileSize test

3. Component Requirements, Constraints, and Acceptance Criteria

- This helper **will** correctly formats any filesize in bytes to human readable string.

4. Dependencies on Other Framework Components

- Zend_Exception
- Zend_Registry (optional
- Zend_Locale (optional)
- Zend_Locale_Format (optional)
- Zend_Measure_Binary
- Zend_View_Exception

5. Theory of Operation

...

6. Milestones / Tasks

- Milestone 1: Community and Zend review

7. Class Index

- Zend_View_Helper_FileSize

8. Use Cases

UC-01

```
echo $this->fileSize(1073741824);
//will print "1 GB"

echo $this->fileSize(1000000, 3);
//will print "976.563 kB"

echo $this->fileSize(1000000, 4);
//will print "976.5625 kB"
```

UC-02 - set export units

```
echo $this->fileSize(1024*1024*1024, null, null, 'MEGABYTE');
//will print "1024 MB"

echo $this->fileSize(1024*1024*1024, null, null, 'KILOBYTE');
//will print "1048576 kB"

echo $this->fileSize(1024*1024*1024, null, null, 'GIGABYTE');
//will print "1 GB"
```

UC-03 - set the norm

```
echo $this->fileSize(1024*1024);
//will print "1 MB"

echo $this->fileSize(1000*1000, null, 'si');
//will print "1 MB."

echo $this->fileSize(1024*1024, null, 'iec');
//will print "1 MiB"
```

9. Class Skeletons

```
    /**
     * Formats filesize with specified precision
     *
     * @param integer $fileSize Filesize in bytes
     * @param integer $precision Precision
     * @param string $norm Which norm use - 'traditional' (1 KB = 2^10 B), 'si' (1 KB
= 10^3 B), 'iec' (1 KiB = 2^10 B)
     * @param string $type Defined export type
     */
    public function fileSize($fileSize, $precision = 0, $norm = 'traditional', $type =
null)
    {
```

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