Zend_Filter_Date - Thomas Weidner

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Zend Framework: Zend_Filter_Date Component Proposal

Proposed Component Name	Zend_Filter_Date
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_Date
Proposers	Thomas Weidner
Zend Liaison	TBD
Revision	1.0 - 9 July 2009: Initial Draft. (wiki revision: 4)

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_Filter_Date is a filter which can convert a date string into another date format.

2. References

- Zend_Date
- ZF-3185

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** convert dates from a input format to a output format.

4. Dependencies on Other Framework Components

- Zend_Date

5. Theory of Operation

This filter accepts date input and will convert it to another date output. It can be used to simplify the date handling as it allows to convert a localized date into another localized date.

6. Milestones / Tasks

- Milestone 1: [DONE] Proposal finished
- Milestone 2: Proposal accepted
- Milestone 3: Coding finished
- Milestone 4: Unit tests finished
- Milestone 5: Documentation finished
- Milestone 6: Component moved to core

7. Class Index

- Zend_Filter_Date

8. Use Cases

UC-01

Convert automatically based on the locale

```
$filter = new Zend_Filter_Date();
print $filter->filter('10.August.2009 10:00:00');
// output could be: Aug 10, 2009 10:00 CET
```

UC-02

Convert to a defined date format

```
$filter = new Zend_Filter_Date(Zend_Date::ISO_8601);
print $filter->filter('10.August.2009 10:00:00');
// output could be: 10.08.2009 10:00:00 CET
```

UC-03

Convert to a manually defined date format

```
$filter = new Zend_Filter_Date('dd.MM.yy');
print $filter->filter('10.August.2009 10:00:00');
// output could be: 10.08.09
```

9. Class Skeletons

```
class Zend_Filter_Date {
    /**
     * string $format Date format to use
     */
    public function __construct($format);

    /**
     * Returns the set date format as string
     * return $string
     */
    public function getFormat();

    /**
     * Sets a new date format to filter to
     * string $format Date format to use
     */
    public function setFormat($format);

    /**
     * string|Zend_Date $input Date to filter
     */
    public function filter($input);
}
```

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