Zend_Validate_Ssn_Be - Andries Seutens

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Zend Framework: Zend_Validate_Ssn_Be Component Proposal

Proposed Component Name	Zend_Validate_Ssn_Be
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Validate_Ssn_Be
Proposers	Andries Seutens
Revision	1.0 - 4 February 2008: Updated from community comments. (wiki revision: 8)

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_Validate_Ssn_Be will validate the format of a Belgian ssn (SIS)

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

```
<?php

/**
 * Zend Framework
 *
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 * with this package in the file LICENSE.txt.
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 * obtain it through the world-wide-web, please send an email
 * to license@zend.com so we can send you a copy immediately.
 *
 * @category   Zend
 * @package    Zend_Validate
 * @copyright  Copyright (c) 2005-2007 Zend Technologies USA Inc. (http://www.zend.com)
 * @license    http://framework.zend.com/license/new-bsd     New BSD License
 * @version    $Id$
 */


/**
 * @see Zend_Validate_Abstract
 */
require_once 'Zend/Validate/Abstract.php';


/**
 * @category   Zend
 * @package    Zend_Validate
 * @copyright  Copyright (c) 2005-2007 Zend Technologies USA Inc. (http://www.zend.com)
 * @license    http://framework.zend.com/license/new-bsd     New BSD License
 */
class Zend_Validate_Ssn_Be extends Zend_Validate_Abstract
{
    const FORMAT      = 'formatMismatch';
    const CHECK_DIGIT = 'checkDigit';

    /**
     * @var array
     */
    protected $_messageTemplates = array(
        self::FORMAT      => "'%value%' should consist of 11 digits",
        self::CHECK_DIGIT => "'%value%' check digit mismatch",
    );
```

```
/**
 * Defined by Zend_Validate_Interface
 *
 * Returns true if and only if $value contains a valid Belgian social security number
 *
 * @param  string $value
 * @return boolean
 */
public function isValid($value)
{
    // check 1: consists of 11 digits
    if (!(bool) ereg('^[0-9]{11}$', $value)) {
        $this->_error(self::FORMAT);
        return false;
    }

    // 1-6 = birthday (jjmmdd), 7-9 = day count number, 10-11 = check digit
    list($number, $checkDigit) = sscanf($value, '%9d%2d');

    // check 2: born before 2000/01/01
    if ((97 - fmod($number, 97)) == $checkDigit) {
        return true;
    }

    // check 3: born after 1999/12/31 (add 2000000000)
    $number += 2000000000;
    if ((97 - fmod($number, 97)) == $checkDigit) {
        return true;
    }

    $this->_error(self::CHECK_DIGIT);
```

```
        return false;
    }
}
```

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