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A pure PHP library for reading and writing word processing documents

1,157 commits

3 branches

12 releases

38 contributors

Branch: develop

New pull request

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Progi1984 committed on GitHub Merge pull request #928 from likeuntomurphy/develop

Latest commit 6da9d8a on 13 Dec 2016

docs	update documentation	2 months ago
samples	#483. Output escaping for OOXML.	8 months ago
src/PhpWord	Merge pull request #928 from likeuntomurphy/develop	2 months ago
tests	Merge pull request #928 from likeuntomurphy/develop	2 months ago
.gitignore	Merge branch 'develop' of https://github.com/PHPOffice/PHPWord into d...	3 years ago
.scrutinizer.yml	Refactor ODT writer to give enable some additional features	3 years ago
.travis.yml	Add PHP 7.0 into the build script.	a year ago
.travis_shell_after_success.sh	QA: PHPMD fixes for `tests`; Some adjustment for Travis build	3 years ago
CHANGELOG.md	Updated change log.	6 months ago
CONTRIBUTING.md	[CHANGED] "CONTRIBUTING.md".	2 years ago
COPYING	[CHANGED] License has been split into two files as recommended here h...	3 years ago
COPYING.LESSER	[CHANGED] License has been split into two files as recommended here h...	3 years ago
LICENSE	Updated copyright.	6 months ago
README.md	#335.	6 months ago
VERSION	Next round of refactoring of alignment-related functionality.	a year ago
bootstrap.php	Updated copyright.	6 months ago
composer.json	#335.	6 months ago
phpmd.xml.dist	Fixed build.	8 months ago
phpunit.xml.dist	Refactor ODT writer to give enable some additional features	3 years ago
phpword.ini.dist	#483. Output escaping for OOXML.	8 months ago

README.md

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PHPWord

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PHPWord is a library written in pure PHP that provides a set of classes to write to and read from different document file formats. The current version of PHPWord supports Microsoft [Office Open XML](#) (OOXML or OpenXML), OASIS [Open Document Format for Office Applications](#) (OpenDocument or ODF), [Rich Text Format](#) (RTF), HTML, and PDF.

PHPWord is an open source project licensed under the terms of [LGPL version 3](#). PHPWord is aimed to be a high quality software product by incorporating [continuous integration](#) and [unit testing](#). You can learn more about PHPWord by reading the [Developers' Documentation](#) and the [API Documentation](#).

Read more about PHPWord:

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- [Features](#)
- [Requirements](#)
- [Installation](#)
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- [Contributing](#)
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- [API Documentation](#)

Features

With PHPWord, you can create OOXML, ODF, or RTF documents dynamically using your PHP 5.3.3+ scripts. Below are some of the things that you can do with PHPWord library:

- Set document properties, e.g. title, subject, and creator.
- Create document sections with different settings, e.g. portrait/landscape, page size, and page numbering
- Create header and footer for each sections
- Set default font type, font size, and paragraph style
- Use UTF-8 and East Asia fonts/characters
- Define custom font styles (e.g. bold, italic, color) and paragraph styles (e.g. centered, multicolumns, spacing) either as named style or inline in text
- Insert paragraphs, either as a simple text or complex one (a text run) that contains other elements
- Insert titles (headers) and table of contents
- Insert text breaks and page breaks
- Insert and format images, either local, remote, or as page watermarks
- Insert binary OLE Objects such as Excel or Visio
- Insert and format table with customized properties for each rows (e.g. repeat as header row) and cells (e.g. background color, rowspan, colspan)
- Insert list items as bulleted, numbered, or multilevel
- Insert hyperlinks
- Insert footnotes and endnotes
- Insert drawing shapes (arc, curve, line, polyline, rect, oval)
- Insert charts (pie, doughnut, bar, line, area, scatter, radar)
- Insert form fields (textinput, checkbox, and dropdown)
- Create document from templates
- Use XSL 1.0 style sheets to transform headers, main document part, and footers of an OOXML template
- ... and many more features on progress

Requirements

PHPWord requires the following:

- PHP 5.3.3+
- [XML Parser extension](#)
- [Zend\Escaper component](#)
- [Zend\Stdlib component](#)
- [Zend\Validator component](#)
- [Zip extension](#) (optional, used to write OOXML and ODF)
- [GD extension](#) (optional, used to add images)
- [XMLWriter extension](#) (optional, used to write OOXML and ODF)
- [XSL extension](#) (optional, used to apply XSL style sheet to template)
- [dompdf library](#) (optional, used to write PDF)

Installation

PHPWord is installed via [Composer](#). You just need to [add dependency](#) on PHPWord into your package.

Example:

```
{
    "require": {
        "phpoffice/phpword": ">=0.13.0"
    }
}
```

Getting started

The following is a basic usage example of the PHPWord library.

```
<?php
require_once 'bootstrap.php';

// Creating the new document...
$phpWord = new \PhpOffice\PhpWord\PhpWord();

/* Note: any element you append to a document must reside inside of a Section. */

// Adding an empty Section to the document...
$section = $phpWord->addSection();
// Adding Text element to the Section having font styled by default...
$section->addText(
    "Learn from yesterday, live for today, hope for tomorrow. '
    . 'The important thing is not to stop questioning.' '
    . '(Albert Einstein)'
);

/*
 * Note: it's possible to customize font style of the Text element you add in three ways:
 * - inline;
 * - using named font style (new font style object will be implicitly created);
 * - using explicitly created font style object.
 */

// Adding Text element with font customized inline...
$section->addText(
    "Great achievement is usually born of great sacrifice, '
    . 'and is never the result of selfishness.' '
    . '(Napoleon Hill)',
    array('name' => 'Tahoma', 'size' => 10)
);

// Adding Text element with font customized using named font style...
$fontStyleName = 'oneUserDefinedStyle';
$phpWord->addFontStyle(
    $fontStyleName,
    array('name' => 'Tahoma', 'size' => 10, 'color' => '1B2232', 'bold' => true)
);
$section->addText(
    "The greatest accomplishment is not in never falling, '
    . 'but in rising again after you fall.' '
    . '(Vince Lombardi)',
    $fontStyleName
);

// Adding Text element with font customized using explicitly created font style object...
$fontStyle = new \PhpOffice\PhpWord\Style\Font();
$fontStyle->setBold(true);
$fontStyle->setName('Tahoma');
$fontStyle->setSize(13);
$myTextElement = $section->addText("Believe you can and you're halfway there." (Theodor Roosevelt));
$myTextElement->setFontStyle($fontStyle);

// Saving the document as OOXML file...
$objWriter = \PhpOffice\PhpWord\IOFactory::createWriter($phpWord, 'Word2007');
$objWriter->save('helloWorld.docx');

// Saving the document as ODF file...
$objWriter = \PhpOffice\PhpWord\IOFactory::createWriter($phpWord, 'ODText');
$objWriter->save('helloWorld.odt');

// Saving the document as HTML file...
```

```
$objWriter = \PhpOffice\PhpWord\IOFactory::createWriter($phpWord, 'HTML');  
$objWriter->save('helloWorld.html');  
  
/* Note: we skip RTF, because it's not XML-based and requires a different example. */  
/* Note: we skip PDF, because "HTML-to-PDF" approach is used to create PDF documents. */
```

More examples are provided in the [samples folder](#). You can also read the [Developers' Documentation](#) and the [API Documentation](#) for more detail.

Contributing

We welcome everyone to contribute to PHPWord. Below are some of the things that you can do to contribute.

- Read [our contributing guide](#).
- [Fork us](#) and [request a pull](#) to the [develop](#) branch.
- Submit [bug reports](#) or [feature requests](#) to GitHub.
- Follow [@PHPWord](#) and [@PHPOffice](#) on Twitter.

