

CSV data parser for PHP.

224 commits

3 branches

10 releases

13 contributors

MIT

Branch: master













New pull request

Create new file

Upload files

Find file

Clone or download

 Fonata	Slightly improved PHPDoc comments	Latest commit b9721a9 21 days ago
 <a href="#">examples</a>	Added .editorconfig to tell others about spaces and tabs	2 months ago
 <a href="#">tests</a>	Added PHPUnit test to save without header	9 days ago
 <a href="#">.editorconfig</a>	Added .editorconfig to tell others about spaces and tabs	2 months ago
 <a href="#">.gitignore</a>	Ignore *.bak files that WinMerge leaves behind	21 days ago
 <a href="#">.travis.yml</a>	Updated .travis.yml to test with PHP 7.2	9 days ago
 <a href="#">ChangeLog.txt</a>	ChangeLog: corrected spelling mistake	3 months ago
 <a href="#">License.txt</a>	Update copyright year in readme and license file	4 years ago
 <a href="#">Makefile</a>	Tweak indentation in Makefile to improved readability	4 years ago
 <a href="#">README.md</a>	Added line to send people to the other examples within the repo.	9 days ago
 <a href="#">composer.json</a>	Added .editorconfig to tell others about spaces and tabs	2 months ago
 <a href="#">parsecsv.lib.php</a>	Slightly improved PHPDoc comments	9 days ago

## README.md

# parseCSV

parseCSV is an easy to use PHP class that reads and writes CSV data properly. It fully conforms to the specifications outlined on the [Wikipedia article](#) (and thus RFC 4180). It has many advanced features which help make your life easier when dealing with CSV data.

You may not need a library at all: before using parseCSV, please make sure if PHP's own `str_getcsv()`, `fgetcsv()` or `fputcsv()` meets your needs.

This library was originally created in early 2007 by [jimeh](#) due to the lack of built-in and third-party support for handling CSV data in PHP.

## Installation

Installation is easy using Composer. Include the following in your composer.json

```
"parsecsv/php-parsecsv": "0.4.5"
```

You may also manually include the parsecsv.lib.php file

```
require_once 'parsecsv.lib.php';
```

## Features

- parseCSV is the only complete and fully featured CSV solution for PHP (as far as I know).
- Supports enclosed values, enclosed commas, double quotes and new lines.
- Automatic delimiter character detection.
- Sort data by specific fields/columns.
- Easy data manipulation.

- Basic SQL-like *conditions*, *offset* and *limit* options for filtering data.
- Error detection for incorrectly formatted input. It attempts to be intelligent, but can not be trusted 100% due to the structure of CSV, and how different programs like Excel for example outputs CSV data.
- Support for character encoding conversion using PHP's *iconv* function (requires PHP 5).
- Supports PHP 5.4 and higher. It certainly works with PHP 7.2

## Example Usage

---

### General

```
$csv = new parseCSV('data.csv');  
print_r($csv->data);
```

### Tab delimited, and encoding conversion

```
$csv = new parseCSV();  
$csv->encoding('UTF-16', 'UTF-8');  
$csv->delimiter = "\t";  
$csv->parse('data.tsv');  
print_r($csv->data);
```

### Auto-detect delimiter character

```
$csv = new parseCSV();  
$csv->auto('data.csv');  
print_r($csv->data);
```

### Modify data in a CSV file

```
$csv = new parseCSV();  
$csv->sort_by = 'id';  
$csv->parse('data.csv');  
# "4" is the value of the "id" column of the CSV row  
$csv->data[4] = array('firstname' => 'John', 'lastname' => 'Doe', 'email' => 'john@doe.com');  
$csv->save();
```

### Replace field names or set ones if missing

```
$csv = new parseCSV();  
$csv->fields = ['id', 'name', 'category'];  
$csv->parse('data.csv');
```

### Add row/entry to end of CSV file

*Only recommended when you know the exact structure of the file.*

```
$csv = new parseCSV();  
$csv->save('data.csv', array(array('1986', 'Home', 'Nowhere', '')), true);
```

### Convert 2D array to csv data and send headers to browser to treat output as a file and download it

```
$csv = new parseCSV();  
$csv->output('movies.csv', $array, array('field 1', 'field 2'), ',');
```

For more complex examples, see the `tests` and `examples` directories.

## Credits

---

- parseCSV is based on the concept of [Ming Hong Ng's CsvFileParser](#) class.

## Contributors

---

Please find a complete list on the project's [contributors](#) page.

## License

---

(The MIT license)

Copyright (c) 2014 Jim Myhrberg.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.