

# PHP: A simple blog using markdown

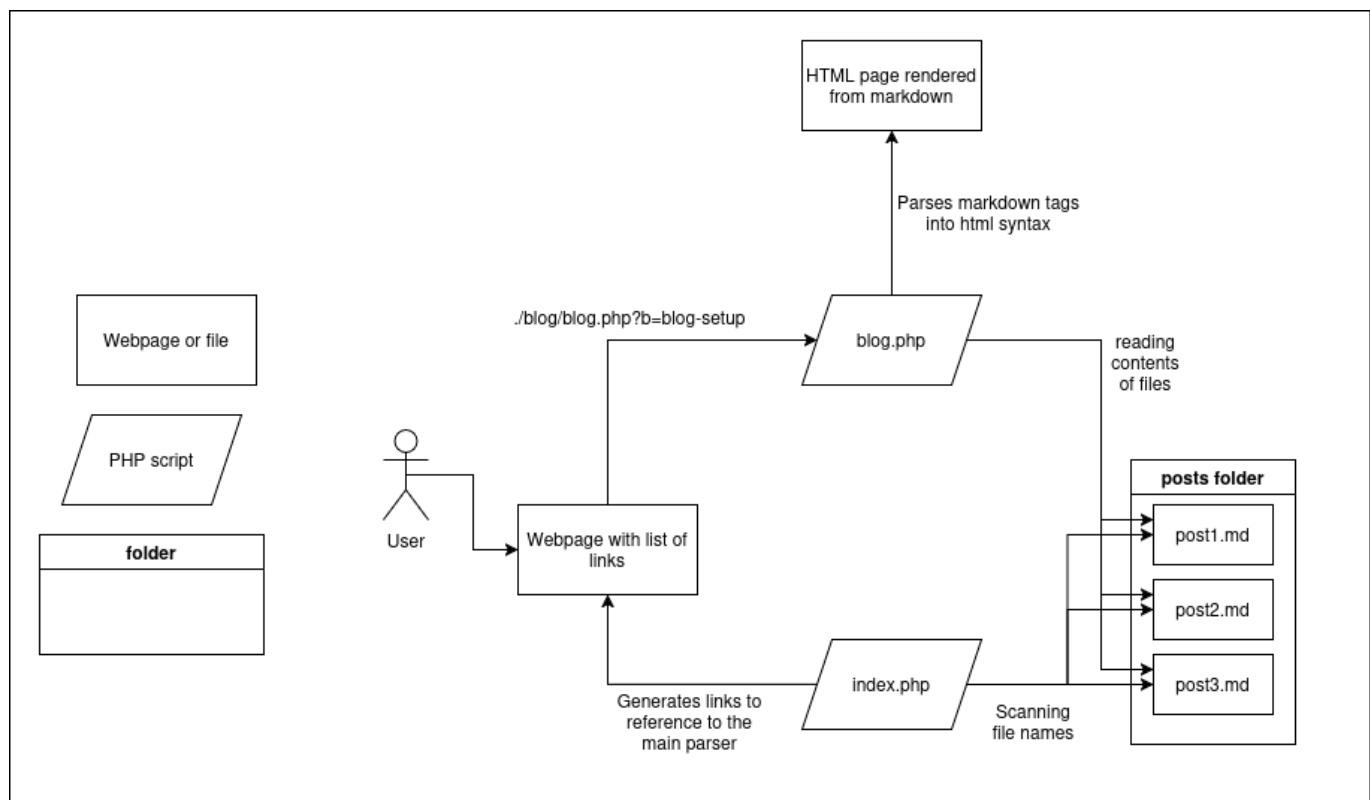
A blog post describing a bit of why I wrote this blog once: [A simple blog in markdown](#)

## Solution design

Below is the file structure:

```
□ /blog
├── □ posts
│   ├── post1.md
│   └── post2.md
├── index.php
└── blog.php
```

## Scheme of operation of the programme



## Code

Contents of index.php:

```
<?php
```

```
declare(strict_types=1);

$postDir = __DIR__ . '/posts/';
$post = [];

// scan markdown files
foreach (glob($postDir . '*.md') as $file) {
    $filename = basename($file, '.md');
    $content = file_get_contents($file);

    // extract first markdown H1
    if (preg_match('/^#\s+(.)$/m', $content, $matches)) {
        $title = trim($matches[1]);
    } else {
        $title = $filename;
    }

    $posts[] = [
        'slug' => $filename,
        'title' => $title,
        'time' => filemtime($file),
    ];
}

<html>
// sort newest first
usort($posts, fn($a, $b) => $b['time'] <=> $a['time']);
?>
<?php if (empty($posts)): ?>
    <p>Brak wpisów.</p>
<?php else: ?>
    <ul class="post-list">
        <?php foreach ($posts as $post): ?>
            <li class="post-item">
                <a href="/blog/blog.php?b=<?= htmlspecialchars($post['slug']) ?>">
                    <?= htmlspecialchars($post['title']) ?>
                </a>
                <time datetime="<?= date('c', $post['time']) ?>">
                    <?= date('Y-m-d', $post['time']) ?>
                </time>
            </li>
        <?php endforeach; ?>
    </ul>
<?php endif; ?>

</main>

</html>
```

Contents of blog.php:

```
<?php
```

```
declare(strict_types=1);

// =====
// CONFIG
// =====
$blogDir = __DIR__ . '/posts/';
$defaultPost = 'index';

// =====
// SECURITY: sanitize input
// =====
$post = $_GET['b'] ?? $defaultPost;

// allow only safe filenames
if (!preg_match('/^[a-zA-Z0-9_-]+$/', $post)) {
    http_response_code(400);
    die('Invalid post name.');
}

$mdFile = $blogDir . $post . '.md';

if (!file_exists($mdFile)) {
    http_response_code(404);
    $mdContent = "# 404\n\nPost not found.";
} else {
    $mdContent = file_get_contents($mdFile);
}

// =====
// MARKDOWN PARSER
// =====
require_once __DIR__ . '/../vendor/Parsedown.php';
require_once __DIR__ . '/../vendor/ParsedownExtra.php';

$parser = new ParsedownExtra();
$parser->setSafeMode(false); // allow HTML in markdown
$parser->setMarkupEscaped(false); // don't escape HTML

$htmlContent = $parser->text($mdContent);
?>
<html>
<body>

    <?=$htmlContent ?>
</main>

</html>
```